

## Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations Issue date: 3/9/2017 Revision date: 9/19/2019 Supersedes: 3/16/2017 Version: 2.1

| SECTION 1: Identification                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  |  |
|---------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|
| 1.1. Identification                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  |  |
| Product form<br>Trade name<br>Product code                                                                                      | : Mixture<br>: HD-Mel<br>: 1017                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  |  |
| 1.2. Recommended use and restrictions on                                                                                        | use                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |  |  |
| Recommended use                                                                                                                 | : Heavy-duty detergent                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  |  |
| 1.3. Supplier                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  |  |
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| 1.4. Emergency telephone number                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  |  |
| Emergency number                                                                                                                | : Infotrac 24 Hour Medical Emergency Number: 1-800-535-5053                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |  |
| SECTION 2: Hazard(s) identification<br>2.1. Classification of the substance or mixture                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  |  |
| GHS US classification                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  |  |
| Skin corrosion/irritation Category 1A<br>Serious eye damage/eye irritation Category 1                                           | Causes severe skin burns and eye damage<br>Causes serious eye damage                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  |  |
| 2.2. GHS Label elements, including precau                                                                                       | tionary statements                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  |  |
| GHS US labeling<br>Hazard pictograms (GHS US)                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  |  |
| Signal word (GHS US)<br>Hazard statements (GHS US)<br>Precautionary statements (GHS US)                                         | <ul> <li>Danger</li> <li>Causes severe skin burns and eye damage</li> <li>Causes serious eye damage</li> <li>Do not breathe dust/fume/gas/mist/vapors/spray.</li> <li>Wash hands, forearms and face thoroughly after handling.</li> <li>Wear protective gloves/protective clothing/eye protection/face protection.</li> <li>If swallowed: rinse mouth. Do NOT induce vomiting.</li> <li>If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.</li> <li>If inhaled: Remove person to fresh air and keep comfortable for breathing.</li> <li>IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.</li> <li>Immediately call a poison center or doctor.</li> <li>Specific treatment (see supplemental first aid instruction on this label).</li> </ul> |  |  |

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Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

### 2.3. Other hazards which do not result in classification

No additional information available

2.4. Unknown acute toxicity (GHS US)

No additional information available

### **SECTION 3: Composition/Information on ingredients**

#### 3.1. Substances

#### Not applicable

#### 3.2. Mixtures

| Name                                    | Product identifier | %       | GHS US classification                                               |
|-----------------------------------------|--------------------|---------|---------------------------------------------------------------------|
| Sodium hydroxide                        | CAS-No.: 1310-73-2 | 20 – 30 | Acute Tox. 1 (Oral), H300<br>Skin Corr. 1, H314<br>Eye Dam. 1, H318 |
| Tetrasodium ethylenediaminetetraacetate | CAS-No.: 64-02-8   | 1 – 5   | Acute Tox. 4 (Oral), H302<br>Eye Dam. 1, H318                       |

Full text of hazard classes and H-statements : see section 16

| SECTION 4: First-aid measures                                                                                 |                                                                                                                                                                            |  |
|---------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| 4.1. Description of first aid measures                                                                        |                                                                                                                                                                            |  |
| First-aid measures general                                                                                    | : Call a physician immediately.                                                                                                                                            |  |
| First-aid measures after inhalation                                                                           | : Remove person to fresh air and keep comfortable for breathing.                                                                                                           |  |
| First-aid measures after skin contact                                                                         | <ol> <li>Rinse skin with water/shower. Remove/Take off immediately all contaminated clothing. Call a<br/>physician immediately.</li> </ol>                                 |  |
| First-aid measures after eye contact                                                                          | <ul> <li>Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to<br/>do. Continue rinsing. Call a physician immediately.</li> </ul> |  |
| First-aid measures after ingestion                                                                            | : Rinse mouth. Do not induce vomiting. Call a physician immediately.                                                                                                       |  |
| 4.2. Most important symptoms and effects (acute and delayed)                                                  |                                                                                                                                                                            |  |
| Symptoms/effects after skin contact<br>Symptoms/effects after eye contact<br>Symptoms/effects after ingestion | : Burns.<br>: Serious damage to eyes.<br>: Burns.                                                                                                                          |  |
| 4.3. Immediate medical attention and special treatment, if necessary                                          |                                                                                                                                                                            |  |

Treat symptomatically.

| SECTION 5: Fire-fighting measures                |                                                  |  |
|--------------------------------------------------|--------------------------------------------------|--|
| 5.1. Suitable (and unsuitable) extinguishing     | ı media                                          |  |
| Suitable extinguishing media                     | : Water spray. Dry powder. Foam. Carbon dioxide. |  |
| 5.2. Specific hazards arising from the chemical  |                                                  |  |
| Hazardous decomposition products in case of fire | : Toxic fumes may be released.                   |  |

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| 5.3. Special protective equipment a | and precautions for fire-fighters                                                                                                        |
|-------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|
| Protection during firefighting      | : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing. |
| SECTION 6: Accidental release       | measures                                                                                                                                 |
|                                     |                                                                                                                                          |
| 6.1. Personal precautions, protecti | ve equipment and emergency procedures                                                                                                    |
| 6.1.1. For non-emergency personnel  |                                                                                                                                          |
| Emergency procedures                | : Ventilate spillage area. Avoid contact with skin and eyes. Do not breathe dust/fume/gas/mist/vapors/spray.                             |
| 6.1.2. For emergency responders     |                                                                                                                                          |
| Protective equipment                | : Do not attempt to take action without suitable protective equipment. For further information refer                                     |

6.2. Environmental precautions

Avoid release to the environment.

| 6.3. Methods and material for containment and cleaning up |                                                                                                                                       |
|-----------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|
| Methods for cleaning up<br>Other information              | <ul><li>Take up liquid spill into absorbent material.</li><li>Dispose of materials or solid residues at an authorized site.</li></ul> |
| 6.4. Reference to other sections                          |                                                                                                                                       |

to section 8: "Exposure controls/personal protection".

For further information refer to section 13.

| SECTION 7: Handling and storage    |                                                                                                                                                                         |
|------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 7.1. Precautions for safe handling |                                                                                                                                                                         |
| Precautions for safe handling      | : Ensure good ventilation of the work station. Avoid contact with skin and eyes. Do not breathe<br>dust/fume/gas/mist/vapors/spray. Wear personal protective equipment. |
| Hygiene measures                   | : Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product.<br>Always wash hands after handling the product.                         |

 7.2. Conditions for safe storage, including any incompatibilities

 Storage conditions
 : Store locked up. Store in a well-ventilated place. Keep cool.

### **SECTION 8: Exposure controls/personal protection**

#### 8.1. Control parameters

| HD-Mel                                            |                  |
|---------------------------------------------------|------------------|
| No additional information available               |                  |
| Tetrasodium ethylenediaminetetraacetate (64-02-8) |                  |
| No additional information available               |                  |
| Sodium hydroxide (1310-73-2)                      |                  |
| USA - ACGIH - Occupational Exposure Limits        |                  |
| Local name                                        | Sodium hydroxide |

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| Sodium hydroxide (1310-73-2)                                             |                                                                                   |  |
|--------------------------------------------------------------------------|-----------------------------------------------------------------------------------|--|
| ACGIH OEL Ceiling                                                        | 2 mg/m <sup>3</sup>                                                               |  |
| Remark (ACGIH)                                                           | URT, eye, & skin irr                                                              |  |
| USA - OSHA - Occupational Exposure Limits                                |                                                                                   |  |
| Local name                                                               | Sodium hydroxide                                                                  |  |
| OSHA PEL (TWA) [1]                                                       | 2 mg/m <sup>3</sup>                                                               |  |
| 8.2. Appropriate engineering controls                                    |                                                                                   |  |
| Appropriate engineering controls:Environmental exposure controls:        | Ensure good ventilation of the work station.<br>Avoid release to the environment. |  |
| 8.3. Individual protection measures/Personal protective equipment        |                                                                                   |  |
| Hand protection:                                                         |                                                                                   |  |
| Protective gloves                                                        |                                                                                   |  |
| Eye protection:                                                          |                                                                                   |  |
| Safety glasses                                                           |                                                                                   |  |
| Skin and body protection:                                                |                                                                                   |  |
| Wear suitable protective clothing                                        |                                                                                   |  |
| Respiratory protection:                                                  |                                                                                   |  |
| In case of insufficient ventilation, wear suitable respiratory equipment |                                                                                   |  |
| Personal protective equipment symbol(s):                                 |                                                                                   |  |

#### Personal protective equipment symbol(s):



### **SECTION 9: Physical and chemical properties**

### 9.1. Information on basic physical and chemical properties

| Physical state                                                                                                                                                                                                       | : Liquid                                                                                                                                                                                                                                                                                                                                      |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Appearance                                                                                                                                                                                                           | : Liquid.                                                                                                                                                                                                                                                                                                                                     |
| Color                                                                                                                                                                                                                | : red                                                                                                                                                                                                                                                                                                                                         |
| Odor                                                                                                                                                                                                                 | : odorless                                                                                                                                                                                                                                                                                                                                    |
| Odor threshold                                                                                                                                                                                                       | : No data available                                                                                                                                                                                                                                                                                                                           |
| pH<br>pH solution<br>Melting point<br>Freezing point<br>Boiling point<br>Flash point<br>Relative evaporation rate (butyl acetate=1)<br>Flammability (solid, gas)<br>Vapor pressure<br>Relative vapor density at 20°C | <ul> <li>14</li> <li>13.5 - 14</li> <li>Not applicable</li> <li>No data available</li> <li>No data available</li> <li>No data available</li> <li>No data available</li> <li>Not applicable.</li> <li>No data available</li> </ul> |
| Relative density                                                                                                                                                                                                     | : No data available                                                                                                                                                                                                                                                                                                                           |
| Density                                                                                                                                                                                                              | : 1.04 g/m³                                                                                                                                                                                                                                                                                                                                   |

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| Solubility                                      | : Soluble in water. |
|-------------------------------------------------|---------------------|
| Partition coefficient n-octanol/water (Log Pow) | : No data available |
| Auto-ignition temperature                       | : No data available |
| Decomposition temperature                       | : No data available |
| Viscosity, kinematic                            | : No data available |
| Viscosity, dynamic                              | : No data available |
| Explosion limits                                | : No data available |
| Explosive properties                            | : No data available |
| Oxidizing properties                            | : No data available |

#### 9.2. Other information

No additional information available

### **SECTION 10: Stability and reactivity**

10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

**10.2. Chemical stability** 

Stable under normal conditions.

**10.3. Possibility of hazardous reactions** 

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7).

10.5. Incompatible materials

No additional information available

**10.6. Hazardous decomposition products** 

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

| SECTION 11: Toxicological information             |                                                                  |  |
|---------------------------------------------------|------------------------------------------------------------------|--|
| 11.1. Information on toxicological effects        |                                                                  |  |
| Acute toxicity (dermal)                           | Not classified<br>Not classified<br>Not classified               |  |
| Tetrasodium ethylenediaminetetraacetate (64-02-8) |                                                                  |  |
| LD50 oral rat                                     | 1780 – 2000 mg/kg (Rat, Male / female, Experimental value, Oral) |  |
| ATE US (oral)                                     | 1780 mg/kg body weight                                           |  |
| Sodium hydroxide (1310-73-2)                      |                                                                  |  |
| ATE US (oral)                                     | 1.111 mg/kg body weight                                          |  |
|                                                   | Causes severe skin burns.<br>pH: 14                              |  |
| Tetrasodium ethylenediaminetetraacetate (64-02-8) |                                                                  |  |
| pH                                                | 11 (1 %)                                                         |  |

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| Sodium hydroxide (1310-73-2)               |                                     |  |  |
|--------------------------------------------|-------------------------------------|--|--|
| рН                                         | 14 (5 %)                            |  |  |
| Serious eye damage/irritation              | Causes serious eye damage.          |  |  |
|                                            | pH: 14                              |  |  |
| Tetrasodium ethylenediaminetetraacetate (6 | 4-02-8)                             |  |  |
| рН                                         | 11 (1 %)                            |  |  |
| Sodium hydroxide (1310-73-2)               |                                     |  |  |
| рН                                         | 14 (5 %)                            |  |  |
| Respiratory or skin sensitization          | Not classified                      |  |  |
| Germ cell mutagenicity                     | Not classified                      |  |  |
| Carcinogenicity                            | : Not classified                    |  |  |
| Reproductive toxicity                      | : Not classified                    |  |  |
| STOT-single exposure                       | : Not classified                    |  |  |
| STOT-repeated exposure                     | : Not classified                    |  |  |
| Aspiration hazard                          | : Not classified                    |  |  |
| Viscosity, kinematic                       | : No data available                 |  |  |
| Tetrasodium ethylenediaminetetraacetate (6 | 4-02-8)                             |  |  |
| Viscosity, kinematic                       | Not applicable (solid)              |  |  |
| Sodium hydroxide (1310-73-2)               |                                     |  |  |
| Viscosity, kinematic                       | No data available in the literature |  |  |
| Symptoms/effects after skin contact        | Burns.                              |  |  |
| Symptoms/effects after eye contact         | : Serious damage to eyes.           |  |  |
| Symptoms/effects after ingestion           | : Burns.                            |  |  |

### **SECTION 12: Ecological information**

12.1. Toxicity

| Ecology - general                                                                             | eral : Before neutralisation, the product may represent a danger to aquatic organisms.                                              |  |  |  |  |
|-----------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|
| Tetrasodium ethylenediaminetetraacetate (64-02-8)                                             |                                                                                                                                     |  |  |  |  |
| LC50 - Fish [1]                                                                               | 121 mg/l (US EPA, 96 h, Lepomis macrochirus, Static system, Fresh water, Experimental value, Soft water)                            |  |  |  |  |
| EC50 - Crustacea [1]                                                                          | 625 mg/l (DIN 38412-11, 24 h, Daphnia magna, Static system, Fresh water, Experimental value, Locomotor effect)                      |  |  |  |  |
| ErC50 algae                                                                                   | > 100 mg/l (EU Method C.3, 72 h, Desmodesmus subspicatus, Static system, Fresh water,<br>Weight of evidence, Nominal concentration) |  |  |  |  |
| Sodium hydroxide (1310-73-2)                                                                  |                                                                                                                                     |  |  |  |  |
| LC50 - Fish [1]                                                                               | 189 mg/l (48 h, Leuciscus idus, Fresh water, Experimental value)                                                                    |  |  |  |  |
| EC50 - Crustacea [1] 40.4 mg/l (48 h, Ceriodaphnia sp., Experimental value, Locomotor effect) |                                                                                                                                     |  |  |  |  |

|  | 12.2. Persis | tence and | degradability |
|--|--------------|-----------|---------------|
|--|--------------|-----------|---------------|

| Tetrasodium ethylenediaminetetraacetate (64-02-8)                 |                                       |  |  |
|-------------------------------------------------------------------|---------------------------------------|--|--|
| Persistence and degradability Not readily biodegradable in water. |                                       |  |  |
| Biochemical oxygen demand (BOD)                                   | < 0.002 g O <sub>2</sub> /g substance |  |  |

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| Tetrasodium ethylenediaminetetraacetate (64-02-8)                           |  |  |  |
|-----------------------------------------------------------------------------|--|--|--|
| Chemical oxygen demand (COD) $0.54 - 0.58 \text{ g O}_2/\text{g substance}$ |  |  |  |
| Sodium hydroxide (1310-73-2)                                                |  |  |  |
| Persistence and degradability         Biodegradability: not applicable.     |  |  |  |
| Chemical oxygen demand (COD) Not applicable (inorganic)                     |  |  |  |
| ThOD Not applicable (inorganic)                                             |  |  |  |

### 12.3. Bioaccumulative potential

| Tetrasodium ethylenediaminetetraacetate (64-02-8)                                                                               |  |  |  |
|---------------------------------------------------------------------------------------------------------------------------------|--|--|--|
| BCF - Fish [1]       1.1 – 1.8 (28 day(s), Lepomis macrochirus, Flow-through system, Fresh water, Experime value, Fresh weight) |  |  |  |
| Partition coefficient n-octanol/water (Log Pow) -13.17 (Estimated value, KOWWIN)                                                |  |  |  |
| Bioaccumulative potential Low potential for bioaccumulation (BCF < 500).                                                        |  |  |  |
| Sodium hydroxide (1310-73-2)                                                                                                    |  |  |  |
| Bioaccumulative potential Not bioaccumulative.                                                                                  |  |  |  |

### 12.4. Mobility in soil

| Tetrasodium ethylenediaminetetraacetate (64-02-8)                                                               |  |  |  |
|-----------------------------------------------------------------------------------------------------------------|--|--|--|
| Organic Carbon Normalized Adsorption Coefficient 2.495 (log Koc, SRC PCKOCWIN v2.0, Calculated value) (Log Koc) |  |  |  |
| Ecology - soil Low potential for adsorption in soil.                                                            |  |  |  |
| Sodium hydroxide (1310-73-2)                                                                                    |  |  |  |
| No data available in the literature                                                                             |  |  |  |
| No (test)data on mobility of the substance available.                                                           |  |  |  |
|                                                                                                                 |  |  |  |

12.5. Other adverse effects

No additional information available

| SECTION 13: Disposal considerations |                                                                                               |
|-------------------------------------|-----------------------------------------------------------------------------------------------|
| 13.1. Disposal methods              |                                                                                               |
| Waste treatment methods             | : Dispose of contents/container in accordance with licensed collector's sorting instructions. |

| SECTION 14: Transport inform                                | tion                                             |  |
|-------------------------------------------------------------|--------------------------------------------------|--|
| 14.1. UN number                                             |                                                  |  |
| DOT NA No<br>UN-No. (TDG)<br>UN-No. (IMDG)<br>UN-No. (IATA) | : UN1760<br>: Not applicable<br>: 1760<br>: 1760 |  |
| 14.2. UN proper shipping name                               |                                                  |  |
| Proper Shipping Name (DOT)                                  | : Corrosive liquids, n.o.s.                      |  |

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| Proper Shipping Name (TDG)<br>Proper Shipping Name (IMDG)<br>Proper Shipping Name (IATA)         | <ul> <li>Not applicable</li> <li>CORROSIVE LIQUID, N.O.S.</li> <li>Corrosive liquid, n.o.s.</li> </ul> |  |  |
| 14.3. Transport hazard class(es)                                                                 |                                                                                                        |  |  |
| <b>DOT</b><br>Transport hazard class(es) (DOT)<br>Hazard labels (DOT)                            | : 8<br>: 8<br>CORROSIVE                                                                                |  |  |
| <b>TDG</b><br>Transport hazard class(es) (TDG)                                                   | : Not applicable                                                                                       |  |  |
| IMDG<br>Transport hazard class(es) (IMDG)<br>Hazard labels (IMDG)                                |                                                                                                        |  |  |
| <b>IATA</b><br>Transport hazard class(es) (IATA)<br>Hazard labels (IATA)                         | : 8<br>: 8                                                                                             |  |  |
| 14.4. Packing group                                                                              |                                                                                                        |  |  |
| Packing group (DOT)<br>Packing group (TDG)<br>Packing group (IMDG)<br>Packing group (IATA)       | : II<br>: Not applicable<br>: II<br>: II                                                               |  |  |
| 14.5. Environmental hazards                                                                      |                                                                                                        |  |  |
| Other information                                                                                | : No supplementary information available.                                                              |  |  |
| 14.6. Special precautions for user                                                               |                                                                                                        |  |  |
| DOT<br>UN-No.(DOT)                                                                               | : UN1760                                                                                               |  |  |

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| DOT Special Provisions (49 CFR 172.102)                          | <ul> <li>B2 - MC 300, MC 301, MC 302, MC 303, MC 305, and MC 306 and DOT 406 cargo tanks are not authorized.</li> <li>B2 - Authorized IBCs: Metal (31A, 31B and 31N); Rigid plastics (31H1 and 31H2); Composite (31HZ1). Additional Requirement: Only liquids with a vapor pressure less than or equal to 110 kPa at 50 C (1.1 bar at 122 F), or 130 kPa at 55 C (1.3 bar at 131 F) are authorized.</li> <li>T11 - 6 178.274(d)(2) Normal</li></ul> |
|------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                                  | defined in 178.275 of this subchapter, where the test pressure is 1.5 times the MAWP.                                                                                                                                                                                                                                                                                                                                                               |
| DOT Packaging Exceptions (49 CFR 173.xxx)                        | : 154                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| DOT Packaging Non Bulk (49 CFR 173.xxx)                          | : 202                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| DOT Packaging Bulk (49 CFR 173.xxx)                              | : 242                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27) |                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| DOT Quantity Limitations Cargo aircraft only (49                 | : 30 L                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| CFR 175.75)                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| DOT Vessel Stowage Location                                      | : B - (i) The material may be stowed "on deck" or "under deck" on a cargo vessel and on a passenger vessel carrying a number of passengers limited to not more than the larger of 25 passengers, or one passenger per each 3 m of overall vessel length; and (ii) "On deck only" on passenger vessels in which the number of passengers specified in paragraph (k)(2)(i) of this section is exceeded.                                               |
| DOT Vessel Stowage Other                                         | : 40 - Stow "clear of living quarters"                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>TDG</b><br>Emergency Response Guide (ERG) Number              | : 154                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| IMDG                                                             | 074                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Special provision (IMDG)                                         | : 274                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Packing instructions (IMDG)                                      | : P001                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| IBC packing instructions (IMDG)<br>Tank instructions (IMDG)      | : IBC02<br>: T11                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Tank Instructions (IMDG)<br>Tank special provisions (IMDG)       | : TP2, TP27                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| EmS-No. (Fire)                                                   | : F-A - FIRE SCHEDULE Alfa - GENERAL FIRE SCHEDULE                                                                                                                                                                                                                                                                                                                                                                                                  |
| EmS-No. (Spillage)                                               | : S-B - SPILLAGE SCHEDULE Bravo - CORROSIVE SUBSTANCES                                                                                                                                                                                                                                                                                                                                                                                              |
| Stowage category (IMDG)                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Stowage and handling (IMDG)                                      | : SW2                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Properties and observations (IMDG)                               | : Causes burns to skin, eyes and mucous membranes.                                                                                                                                                                                                                                                                                                                                                                                                  |
|                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|                                                                  | . =                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| PCA Excepted quantities (IATA)                                   | : E2                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| PCA Limited quantities (IATA)                                    | : Y840                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| PCA limited quantity max net quantity (IATA)                     | : 0.5L<br>. 951                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| PCA packing instructions (IATA)                                  | : 851                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| PCA max net quantity (IATA)                                      | : 1L<br>: 855                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| CAO packing instructions (IATA)<br>CAO max net quantity (IATA)   | : 30L                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Special provision (IATA)                                         | : 30L<br>: A3                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| ERG code (IATA)                                                  | : 8L                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                     |

#### Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

#### 14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

### SECTION 15: Regulatory information

#### **15.1. US Federal regulations**

Commercial status of components according to the United States Environmental Protection Agency's Toxic Substances Control Act (TSCA):

| Name                                    | CAS-No.   | Listing | Commercial<br>status | Flags |
|-----------------------------------------|-----------|---------|----------------------|-------|
| Tetrasodium ethylenediaminetetraacetate | 64-02-8   | Present | Active               |       |
| Sodium hydroxide                        | 1310-73-2 | Present | Active               |       |

| Sodium hydroxide (1310-73-2)                                                |         |  |
|-----------------------------------------------------------------------------|---------|--|
| Not subject to reporting requirements of the United States SARA Section 313 |         |  |
| CERCLA RQ                                                                   | 1000 lb |  |
|                                                                             |         |  |

### 15.2. International regulations

#### CANADA

| Tetrasodium ethylenediaminetetraacetate (64-02-8)     |  |
|-------------------------------------------------------|--|
| Listed on the Canadian DSL (Domestic Substances List) |  |

#### Sodium hydroxide (1310-73-2)

Listed on the Canadian DSL (Domestic Substances List)

#### **EU-Regulations**

No additional information available

#### **National regulations**

No additional information available

| 15.3. US State regulations  |                                                                                                         |  |
|-----------------------------|---------------------------------------------------------------------------------------------------------|--|
| Component                   | State or local regulations                                                                              |  |
| Sodium hydroxide(1310-73-2) | U.S New Jersey - Right to Know Hazardous Substance List; U.S Pennsylvania - RTK<br>(Right to Know) List |  |

| SECTION 16: Other information<br>according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations |                                                                                                                                                                                     |  |  |
|-----------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|
|                                                                                                                                   |                                                                                                                                                                                     |  |  |
| Hazard Rating                                                                                                                     |                                                                                                                                                                                     |  |  |
| Health                                                                                                                            | : 3 Serious Hazard - Major injury likely unless prompt action is taken and medical treatment is given                                                                               |  |  |
| Flammability                                                                                                                      | : 0 Minimal Hazard - Materials that will not burn                                                                                                                                   |  |  |
| Physical                                                                                                                          | : 0 Minimal Hazard - Materials that are normally stable, even under fire conditions, and will NOT react with water, polymerize, decompose, condense, or self-react. Non-Explosives. |  |  |

Safety Data Sheet (SDS), USA

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.