

SAFETY DATA SHEET
SODIUM HYDROXIDE 4% / EDTA 4%
According to Regulation (EC) No 1907/2006, Annex II

SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1. Product identifier**

Product name SODIUM HYDROXIDE 4% / EDTA 4%

Product number 2405

REACH registration notes All the ingredients are listed or exempt.

1.2. Relevant identified uses of the substance or mixture and uses advised against

Identified uses Laboratory reagent.

Uses advised against No specific uses advised against are identified. Use only for intended applications.

1.3. Details of the supplier of the safety data sheet**Supplier**

Reagent Chemical Services
18 Aston Fields Road
Whitehouse Industrial Estate
Runcorn
Cheshire WA7 3DL

T: 01928 716903 (08.30 - 17.00)

F: 01928 716425

E: info@reagent.co.uk

1.4. Emergency telephone number

Emergency telephone OHES Environmental Ltd 24-7
Tel. 0333 333 9939 (24 hour)

SECTION 2: Hazards identification**2.1. Classification of the substance or mixture****Classification (EC 1272/2008)**

Physical hazards Met. Corr. 1 - H290

Health hazards Skin Corr. 1B - H314 Eye Dam. 1 - H318

Environmental hazards Not Classified

Classification (67/548/EEC or -
1999/45/EC)

2.2. Label elements**Pictogram**

SODIUM HYDROXIDE 4% / EDTA 4%

Signal word	Danger
Hazard statements	H290 May be corrosive to metals. H314 Causes severe skin burns and eye damage.
Precautionary statements	P260 Do not breathe vapour/ spray. P280 Wear protective gloves/ protective clothing/ eye protection/ face protection. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P315 Get immediate medical advice/ attention. P501 Dispose of contents/ container in accordance with local regulations.
Contains	SODIUM HYDROXIDE
Supplementary precautionary statements	P234 Keep only in original container. P264 Wash contaminated skin thoroughly after handling. P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower. P321 Specific treatment (see medical advice on this label). P363 Wash contaminated clothing before reuse. P390 Absorb spillage to prevent material damage. P405 Store locked up. P406 Store in corrosive resistant/... container with a resistant inner liner.

2.3. Other hazards

This product does not contain any substances classified as PBT or vPvB.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

SODIUM HYDROXIDE	1-5%
CAS number: 1310-73-2	EC number: 215-185-5
	REACH registration number: 01-2119457892-27-0000
Classification	
Met. Corr. 1 - H290	
Skin Corr. 1A - H314	
Eye Dam. 1 - H318	
EDTA DISODIUM SALT	1-5%
CAS number: 6381-92-6	EC number: 205-358-3
	REACH registration number: 01-2119486775-20-0000
Classification	
Acute Tox. 4 - H332	-
STOT RE 2 - H373	
	Classification (67/548/EEC or 1999/45/EC)

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

General information Immediate first aid is imperative. Show this Safety Data Sheet to the medical personnel.

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Inhalation	Remove affected person from source of contamination. Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Get medical attention if symptoms are severe or persist.
Ingestion	Never give anything by mouth to an unconscious person. Rinse mouth thoroughly with water. Do not induce vomiting. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention immediately.
Skin contact	Remove contaminated clothing and rinse skin thoroughly with water. Rinse cautiously with water for several minutes. Get medical attention immediately.
Eye contact	Rinse immediately with plenty of water. Remove contact lenses, if present and easy to do. Continue rinsing. Continue to rinse for at least 15 minutes. Get medical attention immediately.
Protection of first aiders	First aid personnel should wear appropriate protective equipment during any rescue.

4.2. Most important symptoms and effects, both acute and delayed

General information	The severity of the symptoms described will vary dependent on the concentration and the length of exposure.
Inhalation	Vapours are corrosive. General respiratory distress, unproductive cough. Sore throat.
Ingestion	Prolonged or repeated exposure may cause the following adverse effects: May cause chemical burns in mouth, oesophagus and stomach. Severe stomach pain. Nausea, vomiting.
Skin contact	Prolonged contact causes serious tissue damage. Chemical burns.
Eye contact	Prolonged contact causes serious eye and tissue damage. Profuse watering of the eyes. Corneal damage. Vapour or spray may cause eye damage, impaired sight or blindness.

4.3. Indication of any immediate medical attention and special treatment needed

Notes for the doctor	Treat symptomatically.
Specific treatments	No specific chemical antidote is known to be required after exposure to this product.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	Use alcohol-resistant foam, carbon dioxide or dry powder to extinguish.
Unsuitable extinguishing media	Do not use water, if avoidable.

5.2. Special hazards arising from the substance or mixture

Specific hazards	The product is non-combustible.
Hazardous combustion products	Thermal decomposition or combustion products may include the following substances: Ammonia or amines. Hydrogen. Oxides of the following substances: Sodium. Nitrogen.

5.3. Advice for firefighters

Protective actions during firefighting	Cool containers exposed to heat with water spray and remove them from the fire area if it can be done without risk. Fight fire from safe distance or protected location. Keep upwind to avoid inhalation of gases, vapours, fumes and smoke. Control run-off water by containing and keeping it out of sewers and watercourses.
Special protective equipment for firefighters	Wear chemical protective suit. Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing. Firefighter's clothing conforming to European standard EN469 (including helmets, protective boots and gloves) will provide a basic level of protection for chemical incidents.

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SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions Wear protective clothing as described in Section 8 of this safety data sheet. Avoid inhalation of vapours and contact with skin and eyes. Wash thoroughly after dealing with a spillage.

For emergency responders Wear protective clothing as described in Section 8 of this safety data sheet.

6.2. Environmental precautions

Environmental precautions To prevent release, place container with damaged side up. Avoid the spillage or runoff entering drains, sewers or watercourses. Do not discharge into drains or watercourses or onto the ground.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up Wear protective clothing as described in Section 8 of this safety data sheet. Do not touch or walk into spilled material. Contain and absorb spillage with sand, earth or other non-combustible material. Collect and place in suitable waste disposal containers and seal securely. Label the containers containing waste and contaminated materials and remove from the area as soon as possible. Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority. Wash thoroughly after dealing with a spillage.

6.4. Reference to other sections

Reference to other sections For personal protection, see Section 8. For waste disposal, see Section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions Wear protective clothing as described in Section 8 of this safety data sheet. Avoid contact with skin, eyes and clothing. Do not breathe spray. Wash hands thoroughly after handling.

Advice on general occupational hygiene Do not eat, drink or smoke when using this product. Wash at the end of each work shift and before eating, smoking and using the toilet. Provide eyewash station and safety shower. Contaminated clothing should be placed in a closed container for disposal or decontamination. Warn cleaning personnel of any hazardous properties of the product.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions Store in tightly-closed, original container in a dry and cool place. Store away from the following materials: Acids. Protect from freezing and direct sunlight. Protect containers from damage.

Storage class Corrosive storage.

7.3. Specific end use(s)

Specific end use(s) The identified uses for this product are detailed in Section 1.2.

SECTION 8: Exposure Controls/personal protection

8.1. Control parameters

Occupational exposure limits

SODIUM HYDROXIDE

Short-term exposure limit (15-minute): WEL 2 mg/m³

WEL = Workplace Exposure Limit

PNEC No specific test data are available.

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EDTA DISODIUM SALT (CAS: 6381-92-6)

DNEL	Workers - Inhalation; Short term systemic effects: 2.5 mg/m ³ Workers - Inhalation; Short term local effects: 2.5 mg/m ³ Consumer - Inhalation; Short term systemic effects: 1.5 mg/m ³ Consumer - Inhalation; Short term local effects: 1.5 mg/m ³ Consumer - Oral; Long term systemic effects: 25 mg/kg/day
PNEC	- Fresh water; 2.2 mg/l - Marine water; 0.22 mg/l - Intermittent release; 1.2 mg/l - STP; 43 mg/l - Soil; 0.72 mg/kg

SODIUM HYDROXIDE (CAS: 1310-73-2)

DNEL	Workers - Inhalation; Long term local effects: 1 mg/m ³ General population - Inhalation; Long term local effects: 1 mg/m ³
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8.2. Exposure controls

Protective equipment



Appropriate engineering controls

Provide adequate general and local exhaust ventilation.

Eye/face protection

Wear tight-fitting, chemical splash goggles or face shield. Personal protective equipment for eye and face protection should comply with European Standard EN166.

Hand protection

Wear protective gloves. To protect hands from chemicals, gloves should comply with European Standard EN374. The breakthrough time for any glove material may be different for different glove manufacturers. For exposure up to 8 hours, wear gloves made of the following material: Nitrile rubber. Thickness: ~ 0.11 mm

Other skin and body protection

Wear appropriate clothing to prevent repeated or prolonged skin contact.

Hygiene measures

Wash at the end of each work shift and before eating, smoking and using the toilet. Wash promptly if skin becomes contaminated. Promptly remove any clothing that becomes contaminated. Contaminated clothing should be placed in a closed container for disposal or decontamination.

Respiratory protection

Respiratory protection must be used if the airborne contamination exceeds the recommended occupational exposure limit. Wear a respirator fitted with the following cartridge: Particulate filter, type P2. Full face mask respirators with replaceable filter cartridges should comply with European Standard EN136. Check that the respirator fits tightly and the filter is changed regularly.

Environmental exposure controls

Store in a demarcated bunded area to prevent release to drains and/or watercourses.

SECTION 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Appearance	Liquid.
Colour	Colourless.

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Odour	Odourless.
Odour threshold	No specific test data are available.
pH	pH (concentrated solution): 14
Flash point	Scientifically unjustified.
Evaporation rate	Not determined.
Evaporation factor	Not determined.
Flammability (solid, gas)	No.
Upper/lower flammability or explosive limits	Scientifically unjustified.
Vapour pressure	Not determined.
Vapour density	Not determined.
Relative density	Approx. 1.05 @ 20 @ °C
Bulk density	Not applicable.
Solubility(ies)	Soluble in water.
Partition coefficient	Not determined.
Auto-ignition temperature	Scientifically unjustified.
Decomposition Temperature	Not determined.
Viscosity	Not determined.
Explosive properties	Not considered to be explosive.
Explosive under the influence of a flame	Not considered to be explosive.
Oxidising properties	The mixture itself has not been tested but none of the ingredient substances meet the criteria for classification as oxidising.

9.2. Other information

Other information Not determined.

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity The following materials may react violently with the product: Strong acids. Powdered metal. Strong oxidising agents.

10.2. Chemical stability

Stability Stable at normal ambient temperatures and when used as recommended.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions In contact with some metals can generate hydrogen gas, which can form explosive mixtures with air. Reacts strongly with water. Reacts violently with strong acids.

10.4. Conditions to avoid

Conditions to avoid Avoid excessive heat for prolonged periods of time. Avoid freezing. Never add water directly to this product as it may cause a vigorous reaction or boiling.

10.5. Incompatible materials

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Materials to avoid Avoid contact with the following materials: Strong acids. Strong alkalis. Alkaline earth metals. Strong oxidising agents.

10.6. Hazardous decomposition products

Hazardous decomposition products Ammonia or amines. Hydrogen. Oxides of the following substances: Sodium. Nitrogen.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity - oral

Notes (oral LD₅₀) No specific test data are available.

Acute toxicity - dermal

Notes (dermal LD₅₀) No specific test data are available.

Acute toxicity - inhalation

Notes (inhalation LC₅₀) No specific test data are available.

ATE inhalation (dusts/mists mg/l) 59.74

Skin corrosion/irritation

Skin corrosion/irritation Corrosive to skin.

Animal data

Dose: 0.5ml of 5% w/v solution, 2 hr, Rabbit Primary dermal irritation index: 4.33 after 1 hour to 3.1 after 7 days. Erythema/eschar score: 2.6 at 24 hours Oedema score: 1.5 at 24 hours Corrosive to skin.

Serious eye damage/irritation

Serious eye damage/irritation No specific test data are available.

Respiratory sensitisation

Respiratory sensitisation No specific test data are available.

Skin sensitisation

Skin sensitisation Patch test - Human: Industry - Dermal; Long term systemic effects 22 mg/kg/day Not sensitising.

Germ cell mutagenicity

Genotoxicity - in vitro Does not contain any substances known to be mutagenic.

Genotoxicity - in vivo Based on available data the classification criteria are not met.

Carcinogenicity

Carcinogenicity Does not contain any substances known to be carcinogenic.

Reproductive toxicity

Reproductive toxicity - fertility Does not contain any substances known to be toxic to reproduction.

Specific target organ toxicity - single exposure

STOT - single exposure Based on available data the classification criteria are not met.

Specific target organ toxicity - repeated exposure

STOT - repeated exposure Based on available data the classification criteria are not met.

Aspiration hazard

Aspiration hazard Not anticipated to present an aspiration hazard, based on chemical structure.

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Inhalation	Vapours are corrosive. May cause damage to mucous membranes in nose, throat, lungs and bronchial system.
Ingestion	Causes burns. Swallowing concentrated chemical may cause severe internal injury. Burning sensation in mouth. Severe stomach pain. Nausea, vomiting.
Skin contact	Causes severe burns.
Eye contact	Causes severe burns. Contact with concentrated chemical may very rapidly cause severe eye damage, possibly loss of sight. Corneal damage.
Route of entry	Skin and/or eye contact Inhalation Oral
Target organs	Skin Eyes

SODIUM HYDROXIDE

Toxicological effects	Causes severe skin burns and eye damage.
<u>Acute toxicity - oral</u>	
Notes (oral LD₅₀)	LD ₅₀ 325 mg/kg, Oral, Rabbit REACH dossier information.
<u>Acute toxicity - dermal</u>	
Notes (dermal LD₅₀)	Conclusive data but not sufficient for classification. REACH dossier information.
<u>Acute toxicity - inhalation</u>	
Notes (inhalation LC₅₀)	750 µg/L, Inhalation, Rat REACH dossier information.
<u>Skin corrosion/irritation</u>	
Skin corrosion/irritation	Corrosive to skin.
<u>Serious eye damage/irritation</u>	
Serious eye damage/irritation	Corrosivity to eyes is assumed. REACH dossier information.
<u>Respiratory sensitisation</u>	
Respiratory sensitisation	Based on available data the classification criteria are not met.
<u>Skin sensitisation</u>	
Skin sensitisation	Based on available data the classification criteria are not met.
<u>Germ cell mutagenicity</u>	
Genotoxicity - in vitro	This substance has no evidence of mutagenic properties.
Genotoxicity - in vivo	This substance has no evidence of mutagenic properties.
<u>Carcinogenicity</u>	
Carcinogenicity	There is no evidence that the product can cause cancer.
<u>Reproductive toxicity</u>	
Reproductive toxicity - fertility	Does not contain any substances known to be toxic to reproduction.
<u>Specific target organ toxicity - single exposure</u>	
STOT - single exposure	Based on available data the classification criteria are not met.
<u>Specific target organ toxicity - repeated exposure</u>	

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STOT - repeated exposure Based on available data the classification criteria are not met.

Aspiration hazard

Aspiration hazard Not anticipated to present an aspiration hazard, based on chemical structure.

Inhalation May cause damage to mucous membranes in nose, throat, lungs and bronchial system. Burns can occur.

Ingestion This product is strongly corrosive. May cause chemical burns in mouth, oesophagus and stomach.

Skin contact This product is corrosive. Causes severe burns.

Eye contact Causes severe burns. Causes serious eye damage. Immediate first aid is imperative.

Acute and chronic health hazards This product is corrosive.

Route of entry Skin and/or eye contact Ingestion

Target organs Skin Eyes Respiratory system, lungs Gastro-intestinal tract

Medical symptoms Chemical burns.

EDTA DISODIUM SALT

Acute toxicity - oral

Acute toxicity oral (LD₅₀ mg/kg) 2,800.0

Species Rat

ATE oral (mg/kg) 2,800.0

Acute toxicity - dermal

Acute toxicity dermal (LD₅₀ mg/kg) 5,000.0

Species Rabbit

ATE dermal (mg/kg) 5,000.0

Acute toxicity - inhalation

Acute toxicity inhalation (LC₅₀ dust/mist mg/l) 2.27

Species Rat

ATE inhalation (dusts/mists mg/l) 2.27

Skin corrosion/irritation

Skin corrosion/irritation Based on available data the classification criteria are not met.

Serious eye damage/irritation

Serious eye damage/irritation Based on available data the classification criteria are not met.

SODIUM HYDROXIDE 4% / EDTA 4%

Respiratory sensitisation

Respiratory sensitisation No information available.

Skin sensitisation

Skin sensitisation Based on available data the classification criteria are not met.

Germ cell mutagenicity

Genotoxicity - in vitro Based on available data the classification criteria are not met.

Carcinogenicity

Carcinogenicity Based on available data the classification criteria are not met.

Reproductive toxicity

Reproductive toxicity - fertility Based on available data the classification criteria are not met.

Specific target organ toxicity - single exposure

STOT - single exposure Based on available data the classification criteria are not met.

Specific target organ toxicity - repeated exposure

STOT - repeated exposure May cause damage to organs (Respiratory tract) through prolonged or repeated exposure.

Aspiration hazard

Aspiration hazard Not anticipated to present an aspiration hazard, based on chemical structure.

Inhalation

Harmful if inhaled. May cause damage to mucous membranes in nose, throat, lungs and bronchial system.

Ingestion

Ingestion may cause severe irritation of the mouth, the oesophagus and the gastrointestinal tract.

Skin contact

Powder may irritate skin.

Eye contact

Particles in the eyes may cause irritation and smarting. Profuse watering of the eyes. Redness.

Route of entry

Inhalation

Target organs

Respiratory tract

SECTION 12: Ecological Information

Ecotoxicity

The product components are not classified as environmentally hazardous. However, large or frequent spills may have hazardous effects on the environment.

SODIUM HYDROXIDE

Ecotoxicity

The ecotoxicity of this substance has been assessed during REACH registration

EDTA DISODIUM SALT

Ecotoxicity

The product is not expected to be hazardous to the environment. However, large or frequent spills may have hazardous effects on the environment.

12.1. Toxicity

SODIUM HYDROXIDE 4% / EDTA 4%

Acute toxicity - fish	No specific test data are available.
Acute toxicity - aquatic invertebrates	No specific test data are available.
Acute toxicity - aquatic plants	Scientifically unjustified.
Acute toxicity - microorganisms	Not determined.
Acute toxicity - terrestrial	Not determined.
Short term toxicity - embryo and sac fry stages	Not available.
Chronic toxicity - aquatic invertebrates	Scientifically unjustified.

SODIUM HYDROXIDE

Acute toxicity - fish	LC ₅₀ , 96 hours: 45.4 mg/l, Onchorhynchus mykiss (Rainbow trout) Supplier's information.
Acute toxicity - aquatic invertebrates	EC ₅₀ , 48 hours: 40.4 mg/l,

EDTA DISODIUM SALT

Acute toxicity - fish	No specific test data are available.
Acute toxicity - aquatic invertebrates	EC ₅₀ , 48 hours: 104 mg/l, Daphnia magna

12.2. Persistence and degradability

Persistence and degradability	The product contains inorganic substances which are not biodegradable.
Phototransformation	No specific test data are available.
Biodegradation	Scientifically unjustified.
Biological oxygen demand	No specific test data are available.
Chemical oxygen demand	No specific test data are available.

SODIUM HYDROXIDE

Persistence and degradability	The product contains inorganic substances which are not biodegradable.
Stability (hydrolysis)	Scientifically unjustified.

EDTA DISODIUM SALT

Persistence and degradability	The product is not readily biodegradable.
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12.3. Bioaccumulative potential

Bioaccumulative potential	Bioaccumulation is unlikely.
Partition coefficient	Not determined.

SODIUM HYDROXIDE 4% / EDTA 4%**SODIUM HYDROXIDE**

Bioaccumulative potential Bioaccumulation is unlikely.
Partition coefficient No specific test data are available.

EDTA DISODIUM SALT

Bioaccumulative potential The product does not contain any substances expected to be bioaccumulating.

12.4. Mobility in soil

Mobility The product is soluble in water.
Adsorption/desorption coefficient Scientifically unjustified.
Henry's law constant Not determined.
Surface tension Not determined.

SODIUM HYDROXIDE

Mobility The product is water-soluble and may spread in water systems.
Adsorption/desorption coefficient Scientifically unjustified.

EDTA DISODIUM SALT

Mobility Soluble in water.

12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB assessment This product does not contain any substances classified as PBT or vPvB.

SODIUM HYDROXIDE

Results of PBT and vPvB assessment This substance is not classified as PBT or vPvB according to current EU criteria.

EDTA DISODIUM SALT

Results of PBT and vPvB assessment This substance is not classified as PBT or vPvB according to current EU criteria.

12.6. Other adverse effects

Other adverse effects None known.

SODIUM HYDROXIDE

Other adverse effects None known.

EDTA DISODIUM SALT

Other adverse effects None known.

SECTION 13: Disposal considerations

SODIUM HYDROXIDE 4% / EDTA 4%

13.1. Waste treatment methods

General information The generation of waste should be minimised or avoided wherever possible. Waste, residues, empty containers, discarded work clothes and contaminated cleaning materials should be collected in designated containers, labelled with their contents.

Disposal methods Dispose of waste product or used containers in accordance with local regulations

SECTION 14: Transport information

14.1. UN number

UN No. (ADR/RID)	1824
UN No. (IMDG)	1824
UN No. (ICAO)	1824
UN No. (ADN)	1824

14.2. UN proper shipping name

Proper shipping name (ADR/RID) SODIUM HYDROXIDE SOLUTION

Proper shipping name (IMDG) SODIUM HYDROXIDE SOLUTION

Proper shipping name (ICAO) SODIUM HYDROXIDE SOLUTION

Proper shipping name (ADN) SODIUM HYDROXIDE SOLUTION

14.3. Transport hazard class(es)

ADR/RID class	8
ADR/RID classification code	C5
ADR/RID label	8
IMDG class	8
ICAO class/division	8
ADN class	8

Transport labels



14.4. Packing group

ADR/RID packing group	II
IMDG packing group	II
ADN packing group	II
ICAO packing group	II

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant
No.

14.6. Special precautions for user

SODIUM HYDROXIDE 4% / EDTA 4%

IMDG Code segregation group	18. Alkalies
EmS	F-A, S-B
ADR transport category	2
Hazard Identification Number (ADR/RID)	80
Tunnel restriction code	(E)

14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not applicable.

SECTION 15: Regulatory information**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

National regulations	Health and Safety at Work etc. Act 1974 (as amended). Control of Substances Hazardous to Health Regulations 2002 (as amended).
EU legislation	Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (as amended). Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as amended). Commission Regulation (EU) No 2015/830 of 28 May 2015.
Guidance	Workplace Exposure Limits EH40.
Authorisations (Title VII Regulation 1907/2006)	No specific authorisations are known for this product.
Restrictions (Title VIII Regulation 1907/2006)	No specific restrictions on use are known for this product.

15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

Inventories**EU - EINECS/ELINCS**

All the ingredients are listed or exempt.

SECTION 16: Other information

SODIUM HYDROXIDE 4% / EDTA 4%

Abbreviations and acronyms used in the safety data sheet	<p>ATE: Acute Toxicity Estimate. DNEL: Derived No Effect Level. DMEL: Derived Minimal Effect Level. PNEC: Predicted No Effect Concentration. REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006. ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road. IATA: International Air Transport Association. IMDG: International Maritime Dangerous Goods. RID: European Agreement concerning the International Carriage of Dangerous Goods by Rail.</p>
Classification abbreviations and acronyms	<p>Eye Dam. = Serious eye damage Skin Corr. = Skin corrosion Met. Corr. = Corrosive to metals</p>
General information	<p>Only trained personnel should use this material.</p>
Key literature references and sources for data	<p>Source: European Chemicals Agency, http://echa.europa.eu/</p>
Classification procedures according to Regulation (EC) 1272/2008	<p>Skin Corr. 1B - H314, Eye Dam. 1 - H318: Calculation method.</p>
Revision comments	<p>Revised classification.</p>
Revision date	<p>07/12/2017</p>
Revision	<p>4</p>
Supersedes date	<p>16/11/2017</p>
SDS number	<p>11404</p>
SDS status	<p>Approved.</p>
Hazard statements in full	<p>H290 May be corrosive to metals. H314 Causes severe skin burns and eye damage. H318 Causes serious eye damage. H332 Harmful if inhaled. H373 May cause damage to organs (Respiratory tract) through prolonged or repeated exposure.</p>

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.