

Product Thick Bleach  
 Revision date 24 February 2021  
 Revision 2



**Safety Data Sheet (SDS)**  
 according to Regulation (EC) No. 1907/2006

**Section 1: Identification of the substance/mixture and of the company/undertaking**

**1.1 Product identifier**

<b>Product name</b>	<b>Thick Bleach</b>
<b>Product no.</b>	<b>DISTHKBLCH</b>
<b>Other means of identification</b>	No information available.

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

<b>Identified uses</b>	Bleach. For professional use only.
<b>Uses advised against</b>	Any other purpose.

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

<b>Supplier</b>	Kitchenmaster NI Ltd 11 Comber Road Belfast BT8 8AN United Kingdom Tel: 028 90814777
<b>Contact person</b>	sales@kitchenmaster-ni.com

**1.4 Emergency telephone number**

<b>Emergency telephone</b>	Emergency Telephone Number: 028 9081 4777 08:30 – 17:00 Monday to Thursday 08:30 – 16:30 Friday
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**Section 2: Hazards identification**

**2.1 Classification of the substance or mixture**

<b>Classification (EC 1272/2008)</b>	
Physical and chemical hazards	Me. Corr 1 - H290
Human health	Skin Corr. 1B - H314
Environment	Aquatic Acute 1 - H400

**2.2 Label elements**

<b>Contains</b>	sodium hypochlorite Sodium hydroxide
<b>Detergent labeling</b>	<5% amphoteric surfactants <5% anionic surfactants <5% chlorine-based bleaching agents

**Label in accordance with (EC) no. 1272/2008**



<b>Signal word</b>	Danger
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<b>Hazard statements</b>	H290 May be corrosive to metals. H314 Causes severe skin burns and eye damage. H400 Very toxic to aquatic life.
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**Precautionary statements****Prevention**

P260 Do not breathe dust/fume/ gas/mist/vapours/spray.

P280 Wear protective gloves/ protective clothing/eye protection/face protection.

**Response**

P301 + P330 + P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

P303 + P361 + P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/ shower.

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P310 Immediately call a POISON CENTER or doctor/physician.

**2.3 Other hazards**

None known.

**Section 3: Composition/information on ingredients****3.1 Substance**

Not applicable.

**3.2 Mixtures**

Name	Product identifier	Regulation (EC) No 1272/2008	%
sodium hypochlorite	CAS-No.: 7681-52-9 EC No.: 231-668-3 REACH Reg No.: 01-2119488154-34-XXXX	Aquatic Acute 1 - H400, Skin Corr. 1B - H314	1-5%
Dodecyltrimethylamine oxide	CAS-No.: 1643-20-5 EC No.: 216-700-6	Acute Tox 4 - H302, Skin Irrit.2 - H315, Eye Dam. 1 - H318, Aquatic Acute 1 - H400	1-5%
Sodium hydroxide	CAS-No.: 1310-73-2 EC No.: 215-185-5 REACH Reg No.: 01-2119457892-27-XXXX	Skin Corr. 1A - H314, Me. Corr 1 - H290	1-5%

The full text for all hazard statements are displayed in section 16.

**Composition comments**

The data shown are in accordance with the latest EC Directives.

Sodium hypochlorite: Specific Concentration limits = EUH031 &gt;=5%.

Sodium hydroxide - SCL Skin Corr. 1A: C &gt;= 5%; Skin Corr. 1B: C &gt;= 2 - &lt; 5%; Skin Irrit. 2:

C &gt;= 0.5 - &lt; 2%; Eye Irrit. 2: C &gt;= 0.5 - &lt; 2%.

**Section 4: First aid measures****4.1 Description of first aid measures****General information**

As a general rule, in case of doubt or if symptoms persist, always call a doctor. Seek medical attention for all burns and eye injuries, regardless how minor they may seem. First aid personnel must be aware of own risk during rescue. Provide general first aid, rest, warmth and fresh air.

**Inhalation**

Move the exposed person to fresh air at once. If breathing is difficult, oxygen should be administered by qualified personnel. If not breathing, give artificial respiration. Get prompt medical attention.

**Ingestion**

Get medical attention immediately. Do not induce vomiting. Provided the patient is fully conscious, washout mouth with water. Never give anything by mouth to an unconscious person. If vomiting occurs, the head should be kept low so that stomach vomit doesn't enter the lungs. Artificial respiration and/or oxygen may be necessary.

**Skin contact**

Take off contaminated clothing and shoes immediately. Promptly flush contaminated skin with water. Continue to rinse for at least 15 minutes. Seek medical attention immediately.

**Eye contact**

SPEED IS ESSENTIAL. Avoid contaminating unaffected eye. Wash thoroughly with soft, clean water for 15 minutes holding the eyelids open. Remove contact lenses if present and easy to do so. Get medical attention immediately.

**4.2 Most important symptoms and effects, both acute and delayed****General information**

The severity of the symptoms described will vary dependant of the concentration and the length of exposure.

<b>Inhalation</b>	Irritating to respiratory system.
<b>Ingestion</b>	May cause chemical burns in mouth and throat. May cause stomach pain or vomiting.
<b>Skin contact</b>	Symptoms: Redness, swelling of tissue, burns, ulceration. May in some instances cause burns to the skin.
<b>Eye contact</b>	May cause irreversible eye damage. Symptoms may include redness, lachrymation, swelling of tissue, burns.

#### **4.3 Indication of any immediate medical attention and special treatment needed**

<b>Notes to the physician</b>	Treat Symptomatically.
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### **Section 5: Firefighting measures**

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#### **5.1 Extinguishing media**

<b>Extinguishing media</b>	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Water spray. Water fog. Foam. Dry powder. Carbon dioxide. Dry chemical.
<b>Unsuitable extinguishing media</b>	High volume water jet.

#### **5.2 Special hazards arising from the substance or mixture**

<b>Hazardous combustion products</b>	Hazardous decomposition products formed under fire conditions.
<b>Unusual fire &amp; explosion hazards</b>	Acid will react with active metals to produce flammable hydrogen.
<b>Specific hazards</b>	During fire, gases hazardous to health may be formed.

#### **5.3 Advice for firefighters**

<b>Special fire fighting procedures</b>	If possible, fight fire from protected position. Ventilate closed spaces before entering them. Keep up-wind to avoid fumes. Containers close to fire should be removed immediately or cooled with water. Suppress (knock down) gasses/vapours/mists with a water spray.
<b>Protective equipment for firefighters</b>	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Personal protective equipment conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.

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### **Section 6: Accidental release measures**

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#### **6.1 Personal precautions, protective equipment and emergency procedures**

<b>For non-emergency personnel</b>	Do not mix with other chemicals. Wear protective clothing as described in Section 8 of this safety data sheet. Avoid inhalation of vapours and contact with skin and eyes. Provide adequate ventilation. In case of inadequate ventilation, use respiratory protection. Eliminate all sources of ignition.
<b>For emergency responders</b>	If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. Follow safe handling advice and personal protective equipment recommendations for normal use of product. Do not touch spilled material.

#### **6.2 Environmental precautions**

<b>Environmental precautions</b>	Avoid discharge into drains, water courses or onto the ground. Spillages or uncontrolled discharges into watercourses must be IMMEDIATELY alerted to the Environmental Agency or other appropriate regulatory body.
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#### **6.3 Methods and material for containment and cleaning up**

<b>Spill clean up methods</b>	Ventilate and evacuate the area. Eliminate all ignition sources. Wear necessary protective equipment DO NOT touch spilled material! Stop leak if possible without risk. Use non-metallic tools/containers for clean up. Absorb spillage with inert, damp, non-combustible material or use a liquid binding material. Place waste material into suitable labelled sealed containers for disposal. Remove waste promptly to a safe area. Flush with plenty of water to clean spillage area.
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#### **6.4 Reference to other sections**

<b>Reference to other sections</b>	See section 1 for emergency contact. For personal protection, see section 8. For waste disposal, see section 13.
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**Section 7: Handling and storage**


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**7.1 Precautions for safe handling****Handling**

Read and follow manufacturer's recommendations. Use personal protective equipment, see Section 8. Avoid contact with skin and eyes. Do not handle broken packages without protective equipment. Ensure adequate ventilation. If necessary, use local exhaust ventilation.

Keep away from flammable materials and incompatible substances. Use only equipment and materials which are compatible with the product. Do not confine the product in a circuit, between closed valves, or in a container without a vent. Always wash hands after handling.

**7.2 Conditions for safe storage, including any incompatibilities****Storage precautions**

Keep locked up and out of reach of children. Store in tightly closed original container in a cool, dry and well-ventilated place.

**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.

**Usage description**

Use only according to directions.

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**Section 8: Exposure controls/Personal protection**


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**8.1 Control parameters**

Component	STD	TWA (8 Hrs)		STEL (15mins)	Notes
Sodium hydroxide	OEL			2 mg/m <sup>3</sup>	
Sodium hydroxide	WEL			2 mg/m <sup>3</sup>	

**Ingredient comments**

WEL - Workplace Exposure Limits - EH40/2005 Workplace exposure limits. Ireland, Occupational Exposure Limits 2020.

**8.2 Exposure Controls****Protective equipment****Engineering measures**

Provide adequate ventilation, including appropriate local extraction, to ensure that the defined occupational exposure limit is not exceeded.

**Respiratory equipment**

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators. Use respirators and components tested and approved under appropriate government standards such as CEN (EU). If the respirator is the sole means of protection, use a full-face supplied air respirator. Self-contained breathing apparatus (EN 133). Respirator with a vapour filter (EN 141). In case of decomposition (see section 10), face mask with combined type B-P2 cartridge.

**Hand protection**

Where hand contact with the product may occur the use of gloves approved to relevant standards (e.g. Europe: EN374) is recommended. (EU Directive 89/686/EEC). Selection of the glove material depends on consideration of the penetration times, rates of diffusion and degradation, and concentration specific to the workplace. Gloves must be inspected prior to use.

Suggested material: Nitrile. Minimum layer thickness:  $\geq 0.35$  mm. Break through time: 480 min. Gloves must be inspected prior to use. Consult manufacturer for specific advice on material. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product.

**Eye protection**

Wear safety goggles or face shield to prevent any possibility of eye contact. Use equipment for eye protection tested and approved under appropriate government standards such as EN 166(EU).

**Other protection**

Wear appropriate clothing to prevent any possibility of skin contact. The selected clothing must satisfy the European norm standard EN 943. Protective clothing should be selected

<b>Hygiene measures</b>	based on the task being performed and the risks involved and should be approved by a specialist before handling this product. DO NOT SMOKE IN WORK AREA! Wash hands after handling. Wash promptly if skin becomes wet or contaminated. Promptly remove any clothing that becomes contaminated. When using do not eat, drink or smoke.
<b>Process conditions</b>	Keep container tightly sealed when not in use. Ensure that eye flushing systems and safety showers are located close by in the work place.

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## Section 9: Physical and chemical properties

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### 9.1 Information on basic physical and chemical properties

<b>Appearance</b>	Liquid.
<b>Colour</b>	Pale straw coloured Clear.
<b>Odour</b>	Characteristic.
<b>Odour threshold - lower</b>	No information available as testing has not been completed.
<b>Odour threshold - upper</b>	No information available as testing has not been completed.
<b>pH-Value, Conc. Solution</b>	>13
<b>pH-Value, Diluted solution</b>	Not applicable as product is a concentrated solution.
<b>Melting point</b>	No information available as testing has not been completed.
<b>Initial boiling point and boiling range</b>	No information available as testing has not been completed.
<b>Flash point</b>	Non-Flammable
<b>Evaporation rate</b>	No information available as testing has not been completed.
<b>Flammability state</b>	Not applicable as the product is not flammable.
<b>Flammability limit - lower(%)</b>	Not applicable as the product is not flammable.
<b>Flammability limit - upper(%)</b>	Not applicable as the product is not flammable.
<b>Vapour pressure</b>	No information available as testing has not been completed.
<b>Vapour density (air=1)</b>	No information available as testing has not been completed.
<b>Relative density</b>	0.99 - 1.01 kg/l (at 20°C)
<b>Bulk density</b>	Not applicable as the product is a liquid.
<b>Solubility</b>	Soluble in water.
<b>Decomposition temperature</b>	No information available as testing has not been completed.
<b>Partition coefficient; n-Octanol/Water</b>	Not applicable as the product is a mixture.
<b>Auto ignition temperature (°C)</b>	Not applicable as the product is not flammable.
<b>Viscosity</b>	No information available as testing has not been completed.
<b>Explosive properties</b>	Not classified as explosive.
<b>Oxidising properties</b>	The product does not meet the criteria to be classified as oxidising.

### 9.2 Other information

<b>Molecular weight</b>	Not applicable as the product is a mixture.
<b>Volatile organic compound</b>	No information available as testing has not been completed.
<b>Other information</b>	None noted.

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**Section 10: Stability and reactivity**


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**10.1 Reactivity**

<b>Reactivity</b>	Corrosive to metals. May react with active metals, such as aluminum and iron, to release flammable hydrogen gas. Reaction with acids. May decompose violently on mixing with acids, with rapid evolution of chlorine gas.
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**10.2 Chemical stability**

<b>Stability</b>	Stable under normal temperature conditions and recommended use. Corrosive in contact with metals.
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**10.3 Possibility of hazardous reactions**

<b>Hazardous reactions</b>	For information on hazardous reactions see section 10.1.
<b>Hazardous polymerisation</b>	Unknown.
<b>Polymerisation description</b>	Not applicable.

**10.4 Conditions to Avoid**

<b>Conditions to avoid</b>	Heat, sparks, open flames, temperature extremes and direct sunlight. To avoid thermal decomposition do not overheat. Avoid freezing. Protect from static discharge.
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**10.5 Incompatible materials**

<b>Materials to avoid</b>	Metals, Salts of metals, Acids, Organic materials. Avoid acids and oxidizing agents.
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**10.6 Hazardous decomposition products**

<b>Hazardous decomposition products</b>	Chlorine, Sodium chlorate, Hypochlorous acid, predominant at acid pH, is 4 to 5 fold more toxic than hypochlorite ion. The release of other hazardous decomposition products is possible.
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**Section 11: Toxicological information**


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**11.1 Information on hazard classes as defined in Regulation (EC) No. 1272/2008**

<b>Toxicological information</b>	Caustic/ irritant effect on skin, eyes and mucous membranes (Respiratory tract).
<b>Acute toxicity (Oral LD50)</b>	No information available as testing has not been completed.
<b>Acute toxicity (Dermal LD50)</b>	No information available as testing has not been completed.
<b>Acute toxicity (Inhalation LD50)</b>	No information available as testing has not been completed.
<b>Serious eye damage/irritation</b>	Causes serious eye damage.
<b>Skin corrosion/irritation</b>	The product is classified as a skin corrosion/irritation hazard.
<b>Respiratory sensitisation</b>	The product is not classified as a respiratory hazard.
<b>Skin sensitisation</b>	The product is not classified as a skin sensitisation hazard.
<b>Germ cell mutagenicity</b>	The product is not classified as a mutagen.
<b>Carcinogenicity</b>	The product is not classified as a carcinogen hazard.
<b>Specific target organ toxicity - Single exposure:</b>	
<b>STOT - Single exposure</b>	The product is not classified as a single exposure specific target organ toxin.
<b>Specific target organ toxicity - Repeated exposure:</b>	
<b>STOT - Repeated exposure</b>	The product is not classified as a repeat exposure specific target organ toxin.
<b>Inhalation</b>	Irritating to respiratory system.
<b>Ingestion</b>	May cause chemical burns in mouth and throat. May cause stomach pain or vomiting.
<b>Skin contact</b>	Symptoms: Redness, swelling of tissue, burns, ulceration. May in some instances cause burns to the skin.
<b>Eye contact</b>	May cause irreversible eye damage. Symptoms may include redness, lachrymation, swelling of tissue, burns.
<b>Waste management</b>	Dispose of in accordance with local and national regulations. When handling waste, consideration should be made to the safety precautions applying to handling of the product.

<b>Routes of entry</b>	Eyes, skin, ingestion or inhalation.
<b>Target organs</b>	Eyes, skin, digestive system, respiratory system.
<b>Aspiration hazards:</b>	The product is not classified as an aspiration hazard.
<b>Reproductive toxicity:</b>	The product is not classified as a reproductive hazard.

Name	LD50 oral	LD50 dermal	LD50 inhalation
sodium hypochlorite	5800.00mg/kg Mouse		

**11.2 Information on other hazards**

<b>Information on other hazards</b>	None known.
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**Section 12: Ecological information****12.1 Toxicity**

<b>Acute toxicity - Fish</b>	No information available as testing has not been completed.
<b>Acute toxicity - Aquatic invertebrates</b>	No information available as testing has not been completed.
<b>Acute toxicity - Aquatic plants</b>	No information available as testing has not been completed.
<b>Acute toxicity - Microorganisms</b>	No information available as testing has not been completed.
<b>Chronic toxicity - Fish</b>	No information available as testing has not been completed.
<b>Chronic toxicity - Aquatic invertebrates</b>	No information available as testing has not been completed.
<b>Chronic toxicity - Aquatic plants</b>	No information available as testing has not been completed.
<b>Chronic toxicity - Microorganisms</b>	No information available as testing has not been completed.
<b>Ecotoxicity</b>	The product contains substance which is very toxic to aquatic life.
<b>Eco toxicological information</b>	The product contains a substance which is harmful to aquatic organisms.

**12.2 Persistence and degradability**

<b>Degradability</b>	The degradability of the product has not been stated.
<b>Biological oxygen demand</b>	No information available as testing has not been completed.
<b>Chemical oxygen demand</b>	No information available as testing has not been completed.

**12.3 Bioaccumulative potential**

<b>Bioaccumulative potential</b>	No data available on bioaccumulation.
<b>Bioaccumulation factor</b>	No information available as testing has not been completed.
<b>Partition coefficient; n-Octanol/Water</b>	Not applicable as the product is a mixture.

**12.4 Mobility in soil**

<b>Mobility</b>	Soluble in water.
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**12.5 Results of PBT and vPvB assessment**

<b>Results of PBT and vPvB assessment</b>	The product does not contain any PBT or vPvB Substances.
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**12.6 Endocrine disrupting properties**

<b>Endocrine disrupting properties</b>	The product does not contain any substances with endocrine disrupting properties at a concentration above or equal to 0.1%.
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**12.7 Other adverse effects**

<b>Other adverse effects</b>	No information available.
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Name	Acute toxicity (Fish)	Acute toxicity (Aquatic invertebrates)	Acute toxicity (Aquatic plants)
Dodecyltrimethylamine oxide	LC50 96 Hours 31.80ppm Brachydanio rerio (Zebra Fish)	EC50 48 Hours >3.90ppm Daphnia magna	

Sodium hydroxide	LC50 96 Hours 125.00mg/l Freshwater Fish		
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**Section 13: Disposal considerations**


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**Waste management** Dispose of in accordance with local and national regulations. When handling waste, consideration should be made to the safety precautions applying to handling of the product.

**13.1 Waste treatment methods**

**Disposal methods** Dispose of waste and residues in accordance with local authority requirements. Dispose in a safe manner in accordance with local/national regulations.

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**Section 14: Transport information**


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**14.1 UN number or ID number**

UN no. (ADR)	UN1903
UN no. (IMDG)	UN1903
UN no. (IATA)	UN1903

**14.2 UN proper shipping name**

ADR proper shipping name	DISINFECTANT, LIQUID, CORROSIVE, N.O.S. (sodium hypochlorite + Sodium hydroxide)
IMDG proper shipping name	DISINFECTANT, LIQUID, CORROSIVE, N.O.S. (sodium hypochlorite + Sodium hydroxide)
IATA proper shipping name	DISINFECTANT, LIQUID, CORROSIVE N.O.S. (sodium hypochlorite + Sodium hydroxide)

**14.3 Transport hazard class(es)**

ADR class	8
IMDG class	8
IATA class	8

Transport labels


**14.4 Packing group**

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

**14.5 Environmental hazards**

ADR	Yes
IMDG	Yes
IATA	Yes

**14.6 Special precautions for user**

EMS	F-A, S-B
Emergency action code	A3 A803
Hazard no. (ADR)	80
Tunnel restriction code	(E)

**14.7 Maritime transport in bulk according to IMO instruments**


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**Section 15: Regulatory information**


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**15.1 Safety, health and environmental regulations/Legislation specific for the substance or mixture**

**EU legislation** 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, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 with amendments. The UN Globally Harmonized System (GHS) Safety



Data Sheet format (Annex IV) is implemented as Annex II of REACH EU No 2020/878 of 18 June 2020 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).

**Approved code of practice**

2020 Code of Practice for the Safety, Health and Welfare at Work (Chemical Agents) Regulations (2001-2015) and the Safety, Health and Welfare at Work (Carcinogens) Regulations (2001-2019)

Workplace Exposure Limits Guidance Note EH40/2005.

**15.2 Chemical safety assessment**

**Chemical safety assessment**

No chemical safety assessment has been carried out.

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**Section 16: Other information**

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**General information**

This Safety Data Sheet is in accordance with Reach Regulation (EC) No 453/2010

**Revision comments**

This is a second issue. [1]Information updated. [2]Information updated. [3]Information updated. [5]Information updated. [6]Information updated. [7]Information updated. [9]Information updated. [11]Information updated. [12]Information updated. [14]Information updated. [15]Information updated.

**Revision date**

24 February 2021

**Supersedes date**

30 January 2019

**Revision**

2

**Safety data sheet status**

Approved.

**Hazard statements in full**

**EUH031**

Contact with acids liberates toxic gas.

**H314**

Causes severe skin burns and eye damage.

**H400**

Very toxic to aquatic life.

**H302**

Harmful if swallowed.

**H315**

Causes skin irritation.

**H318**

Causes serious eye damage.

**H290**

May be corrosive to metals.

**H412**

Harmful to aquatic life with long lasting effects.

**Disclaimer**

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.