

SAFETY DATA SHEET

according to 1907/2006/EC, Article 31

Page 1/6

TORRENCE

Revision 1

Revision date 2015-03-23

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name TORRENCE .

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

Product Use [SU3] Industrial uses: Uses of substances as such or in preparations at industrial sites; [PC35] Washing and cleaning products (including solvent based products);

Description AUTOMATIC MACHINE DISHWASH

1.3. Details of the supplier of the safety data sheet

Company Spectrum Industrial Limited
 Address 19/24 Bedesway
 Bede Industrial Estate
 Jarrow
 Tyne & Wear
 NE32 3EG
 Web www.spectrumindustrial.co.uk
 Telephone 0191 4301111
 Fax 0191 4837422
 Email sales@spectrum-ind.co.uk
 Email address of the competent person sales@spectrum-ind.co.uk

1.4. Emergency telephone number

Emergency telephone number 0191 4301111
 9.00 am - 5.00 pm Mon - Fri

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

2.1.1. Classification - 67/548/EEC C; R35
 Symbols: C: Corrosive.

Main hazards Causes severe burns.

2.1.2. Classification - EC 1272/2008 Met. Corr. 1: H290; Skin Corr. 1A: H314;

2.2. Label elements

Hazard pictograms



Signal Word

Danger

Hazard Statement

Met. Corr. 1: H290 - May be corrosive to metals.
 Skin Corr. 1A: H314 - Causes severe skin burns and eye damage.

TORRENCE

Revision 0

Revision date 2015-03-23

2.2. Label elements

Precautionary Statement: Prevention	P102 - Keep out of reach of children. P260 - Do not breathe dust/fume/gas/mist/vapours/spray. P280 - Wear protective gloves/protective clothing/eye protection/face protection.
Precautionary Statement: 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. P304+P340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. 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.
Precautionary Statement: Storage	Store locked up.

2.3. Other hazards

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

Further information

Supplemental label information	Contains: Sodium Hydroxide.
---------------------------------------	-----------------------------

SECTION 3: Composition/information on ingredients

3.1. Substances

67/548/EEC / 1999/45/EC

Chemical Name	Index No.	CAS No.	EC No.	REACH Registration Number	Conc. (%w/w)	Classification
Sodium Hydroxide. (Sodium hydroxide)		1310-73-2	215-185-5	01-2119457892-27	10 - 20%	C; R35

EC 1272/2008

Chemical Name	Index No.	CAS No.	EC No.	REACH Registration Number	Conc. (%w/w)	Classification
Sodium Hydroxide. (Sodium hydroxide)		1310-73-2	215-185-5	01-2119457892-27	10 - 20%	Met. Corr. 1: H290; Skin Corr. 1A: H314;

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation	Inhalation of vapour may cause shortness of breath. Move the exposed person to fresh air. Seek medical attention.
Eye contact	Causes burns. Causes severe inflammation and may damage the cornea. Rinse immediately with plenty of water for 15 minutes holding the eyelids open. Seek medical attention.
Skin contact	Causes burns. Wash off immediately with plenty of soap and water. Remove contaminated clothing. Seek medical attention if irritation or symptoms persist.
Ingestion	Ingestion causes burns to the respiratory tract. DO NOT INDUCE VOMITING. If swallowed, seek medical advice immediately and show this container or label.

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

Inhalation	Inhalation of vapour may cause shortness of breath.
Eye contact	Causes burns.
Skin contact	Causes burns.
Ingestion	Ingestion causes burns to the respiratory tract.

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

Inhalation	Seek medical attention.
Eye contact	Seek medical attention.
Skin contact	Seek medical attention.

TORRENCE

Revision 0

Revision date 2015-03-23

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

Ingestion	Seek medical attention.
-----------	-------------------------

SECTION 5: Firefighting measures**5.1. Extinguishing media**

	Use as appropriate: Carbon dioxide (CO ₂), Dry chemical, Foam.
--	--

5.2. Special hazards arising from the substance or mixture

	Corrosive. Burning produces irritating, toxic and obnoxious fumes.
--	--

5.3. Advice for firefighters

	Wear suitable respiratory equipment when necessary.
--	---

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures**

	Ensure adequate ventilation of the working area. Evacuate personnel to a safe area. Wear suitable protective equipment.
--	---

6.2. Environmental precautions

	Do not allow product to enter drains. Prevent further spillage if safe. Spillages or uncontrolled discharges into watercourses must be reported immediately to the Environmental agency or other appropriate regulatory body.
--	---

6.3. Methods and material for containment and cleaning up

	Absorb with inert, absorbent material. Transfer to suitable, labelled containers for disposal. Clean spillage area thoroughly with plenty of water.
--	---

6.4. Reference to other sections

	For personal protection see section 8. Collect and dispose of spillage as indicated in section 13.
--	--

SECTION 7: Handling and storage**7.1. Precautions for safe handling**

	Avoid contact with eyes and skin. Ensure adequate ventilation of the working area.
--	--

7.2. Conditions for safe storage, including any incompatibilities

	Keep in a cool, dry, well ventilated area. Keep containers tightly closed.
--	--

7.3. Specific end use(s)

	See section 1.2.
--	------------------

Suitable packaging

	Plastic containers.
--	---------------------

SECTION 8: Exposure controls/personal protection**8.1. Control parameters**

	WEL = Work place exposure limit.
--	----------------------------------

8.1.1. Exposure Limit Values

Sodium Hydroxide. (Sodium hydroxide)	WEL 8-hr limit ppm: -	WEL 8-hr limit mg/m ³ : -
	WEL 15 min limit ppm: -	WEL 15 min limit mg/m ³ : 2

8.2. Exposure controls

TORRENCE

Revision 0

Revision date 2015-03-23

8.2. Exposure controls

8.2.1. Appropriate engineering controls	Ensure adequate ventilation of the working area.
8.2.2. Individual protection measures	Wear chemical protective clothing.
Eye / face protection	Approved safety goggles.
Skin protection - Handprotection	Chemical resistant gloves (PVC).
Respiratory protection	In case of insufficient ventilation, wear suitable respiratory equipment.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

State	Liquid
Colour	Straw
Odour	Mild
pH	13 - 13.8
Melting point	No data available
Freezing Point	No data available
Boiling point	No data available
Flash point	Not applicable.
Evaporation rate	No data available
Flammability limits	Not applicable.
Vapour Flammability	Not applicable.
Vapour pressure	No data available
Vapour density	No data available
Relative density	1.1 - 1.3
Fat Solubility	No data available
Partition coefficient	No data available
Autoignition temperature	Not applicable.
Viscosity	No data available
Explosive	Not applicable.
Oxidising	Not applicable.
Solubility	Soluble in water

9.2. Other information

Conductivity	No data available
Surface tension	No data available
Gas group	No data available
Benzene Content	Not applicable.
Lead content	Not applicable.
VOC (Volatile organic compounds)	Not applicable.

SECTION 10: Stability and reactivity

10.1. Reactivity

	Strong acids.
--	---------------

10.2. Chemical stability

	Stable under normal conditions.
--	---------------------------------

10.3. Possibility of hazardous reactions

	Contact with strong acids will produce an exothermic reaction.
--	--

10.4. Conditions to avoid

	There are no known conditions that are likely to result in a hazardous situation.
--	---

TORRENCE

Revision 0

Revision date 2015-03-23

10.5. Incompatible materials

Acids. Aluminium. Tin. Zinc and their alloys.

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****Skin corrosion/irritation**

Causes burns.

Serious eye damage/irritation

Causes burns.

SECTION 12: Ecological information**12.2. Persistence and degradability**

Expected to be biodegradable

12.3. Bioaccumulative potential

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

12.4. Mobility in soil

No data is available on this product.

12.5. Results of PBT and vPvB assessment

Not applicable.

Further information**Ecotoxicity**

Potentially hazardous due to the alkalinity of the product.

SECTION 13: Disposal considerations**General information**

Dispose of in compliance with all local and national regulations.

Disposal of packaging

After final product withdrawal, all residues must be removed from containers (drip-free, powder-free or paste-free). Can be recycled if in compliance with. local and national regulations.

SECTION 14: Transport information**Hazard pictograms****14.1. UN number**

UN1824

14.2. UN proper shipping name

SODIUM HYDROXIDE, SOLUTION

14.3. Transport hazard class(es)**ADR/RID**

8

Subsidiary risk

-

IMDG

8

Subsidiary risk

-

IATA

8

Subsidiary risk

-

TORRENCE

Revision 0

Revision date 2015-03-23

14.4. Packing group

Packing group	II
---------------	----

14.5. Environmental hazards

Environmental hazards	No
Marine pollutant	No

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

	Not relevant.
--	---------------

ADR/RID

Hazard ID	80
Tunnel Category	(E)

IMDG

EmS Code	F-A S-B
----------	---------

IATA

Packing Instruction (Cargo)	855
Maximum quantity	30 L
Packing Instruction (Passenger)	851
Maximum quantity	1 L

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

	Safety Data Sheet prepared in accordance with REACH commission Regulation (EU) No 453/2010 (which amends Regulation (EC) No 1907/2006). The product is as classified under GHS/CLP - Regulation (EC) No 1272/2008 classification, labelling & packaging of substances & mixtures. Ingredients are listed with classification under both CHIP - Directive 67/548/EEC classification, packaging & labelling of dangerous substances & GHS/CLP - Regulations (EC) No 1272/2008 classification, labelling & packaging of substances & mixtures.
--	---

15.2. Chemical safety assessment

	No chemical safety assesment has been carried out as not applicable as this product is a mixture.
--	---

SECTION 16: Other information

Other information

Text of risk phrases in Section 3	R35 - Causes severe burns.
Text of Hazard Statements in Section 3	Met. Corr. 1: H290 - May be corrosive to metals. Skin Corr. 1A: H314 - Causes severe skin burns and eye damage.

Further information

	The information supplied in this Safety Data Sheet is designed only as guidance for the safe use, storage and handling of the product. This information is correct to the best of our knowledge and belief at the date of publication however no guarantee is made to its accuracy. 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 other process.
--	--