

Exocet

1. IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND OF THE COMPANY / UNDER TAKING

- 1.1 Product Identifier:**
 Material name : Exocet
 Product code :
- 1.2 Relevant identified uses of the substance or mixture and uses advised against**
 Product use : Alkaline degreaser/drain unblocker
- 1.3 Details of the supplier of the safety data sheet**
 Manufacturer/Supplier: IMG Ltd.,
 Unit M
 Riverside Industrial Estate
 Fazeley
 Tamworth
 B78 3RW
 Tel. : 01827 283322
 Fax. : 01827 250143
 Email (for SDSs) : sales@img-limited.co.uk
- 1.4 Emergency tel. no.** : 01827 283322 (Available from 8.30 – 17.00 hours).

2. HAZARDS IDENTIFICATION

- 2.1 Classification of the substance or mixture**
 According to 1272/2008/EC: Classification, Labelling and Packaging of Substances and Mixtures (CLP) Regulation:

Physical and Chemical Hazards	Not classified
Human health	Skin Corr. 1A; H314
Environment	Not classified

- 2.2 Label elements**
 Labelling according to EC Directives: 1272/2008/EC

Signal word: Danger
Pictograms: Contains: Sodium hydroxide



Hazard Statements:	H314	Causes severe skin burns and eye damage.
Precautionary Statements:	P260	Do not breathe fumes.
	P280	Wear protective gloves/protective clothing/eye protection/face protection.
	P301+330+331	IF SWALLOWED: Rinse mouth. Do not induce vomiting.
	P303+361+353	IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
	P305+351+338	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 CENTRE or doctor/physician.
	P405	Store locked up.
	P501	Dispose of contents/container in accordance with national regulations.

- 2.3 Other hazards:** PBT: This product is not identified as a PBT/PvB substance.
 Hygroscopic (absorbs water from the atmosphere).

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P301+P310	IF SWALLOWED: Immediately call a poison centre/doctor.
P303+P361+P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P304+P340	IF INHALED: Remove person to fresh air and keep 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.
P363	Wash contaminated clothing before use.
P405	Store locked up.
P501	Dispose of contents/container to requirements of local authorities.

Further information: Hygroscopic – absorbs water from the atmosphere.

3. COMPOSITION / INFORMATION ON INGREDIENTS

3.2 Mixtures:

Hazardous components:

Chemical Name	CAS.No/ EC No./ Reg.No	Classification (1272/2008/EC)	Content
Sodium hydroxide	CAS: 1310-73-2 EC: 215-185-5 REACH: 01-2119457892-27	Skin Corr.1A; H314	90-100%
Citral	CAS: 5392-40-5 EC: 226-394-6	Skin Irr.2; H315 Skin Sens.1; H317	0-0.5%
D-Limonene	CAS: 5989-27-5 EC: 227-813-5 REACH: 01-2119529223-47	Flam.Liq.3; H226 Skin Irr.2; H315 Skin Sens.1; H317 Aquatic Ac.1; H400 Aquatic Chronic 1; H410	0-0.5%

4. FIRST AID MEASURES

4.1 Description of first aid measures

General advice: Remove casualty from exposure ensuring one's own safety whilst doing so. Take off contaminated clothing and shoes / boots immediately. Never give anything by mouth to an unconscious person.

Eye contact: Causes severe burns. Flush with water for 15 minutes. Seek **immediate** medical advice from an eye specialist.

Inhalation: If unconscious, check for breathing and apply artificial respiration if necessary. If unconscious and breathing is OK, place in the recovery position. If conscious. Ensure the casualty sits or lies down. If breathing becomes bubbly, have the casualty sit and provide oxygen if available. Transfer to hospital as soon as possible.

Skin contact: Quickly wipe product off skin with a **dry** cloth, then wash with plenty of water and seek **immediate** medical advice.

Ingestion: Wash out mouth with water. Do not induce vomiting. Give plenty of water to drink. Seek **immediate** medical advice.

4.2 Most important symptoms and effects, both acute and delayed: Can cause severe burns to skin and eyes.

4.3 Indication of any immediate medical attention and special treatment needed: See skin and eye contact information above.

5. FIRE-FIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media: Product is non-flammable, use appropriate extinguishing material; Carbon dioxide, dry chemical powders, foam.

Unsuitable extinguishing media: High volume water jet.

5.2 Special hazards arising from the substance or mixture

Irritating / toxic fumes may be released at elevated temperatures.

5.3 Advice for fire-fighters

Special protective equipment for fire-fighters: Wear protective clothing to prevent contact with skin and eyes. Wear self-contained breathing apparatus.

Further information: Standard procedure for chemical fires. Use water spray to cool unopened containers. Do not allow fire run-off to enter drains.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Evacuate personnel to safe areas. Mark out the contaminated area with signs and prevent access to unauthorised personnel. Use personal protective equipment to deal with spillage.

6.2 Environmental precautions

Contain the spillage using sufficient appropriate absorbent material. Do not discharge into drains or rivers, but if contamination to waterways has occurred, inform the local authorities.

6.3 Methods and materials for containment and cleaning up

Contain and collect spillage with non-combustible, inert, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations.

6.4 Reference to other sections

See section 13 for additional waste treatment information.

7. HANDLING AND STORAGE

7.1 Precautions for safe handling

Avoid contact with skin and eyes. Avoid inhalation of vapours or spray mist generated in use. Handle with care.

7.2 Conditions for safe storage, including any incompatibilities

Store in a cool and well-ventilated area. Protect from frost, heat and sunlight. Incompatible with oxidising agents. Keep away from food, drink and animal feed. Keep locked up.

7.3 Specific end use(s) – No information available.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control parameters

Chemical Name	8hr TWA	15min STEL	Reference
Sodium hydroxide	No data available	2mg/m ³	Supplier

DNEL/ PNEC: No information available.

8.2 Exposure controls

Engineering measures: Ensure there is sufficient ventilation of the area.

Personal Protective Equipment

Hand protection: Chemically resistant gloves. Check with glove manufacturer for specific advice.

Eye protection: Tightly fitting, approved safety glasses.

Skin protection: Protective overalls.

Respiratory protection: If Workplace Exposure Limit(s) listed above are exceeded, respiratory protection may be required, in which case, use respirators fitted with type E-P2 filters.

Hygiene measures: Handle in accordance with good industrial hygiene and safety practices. Do not eat or drink whilst using the product. Wash hands before breaks and at the end of the work day. Wash contaminated clothing before re-use.

Environmental exposure controls: Do not discharge into drains or rivers, but if contamination to waterways has occurred, inform local authorities.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

State and colour:	Granules, yellow.
Odour:	Lemon.
Odour threshold:	No data available.
Flammability:	Non-flammable.
Flash point:	Not applicable.
Lower explosion limit:	Not applicable.
Upper explosion limit:	Not applicable.
Explosive properties:	Not applicable.
Thermal decomposition:	No data available.
Auto-ignition temperature:	Not applicable.
Oxidising properties:	Non-oxidising.
Solubility in water:	Highly soluble.
Solubility in other solvents:	Slightly soluble in alcohols.
pH:	14.0.
Melting point / range:	318°C
Boiling point / range:	1388°C.
Relative Density:	2.13g/cm ³ @ 20°C.
Vapour pressure:	No data available.
Vapour density:	<2.4kPa @ 20°C.
Partition coefficient: n-octanol / water:	No data available.
Viscosity (kinematic):	Not applicable.
Evaporation rate:	No data available.

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9.2 Other information No data available.

10. STABILITY AND REACTIVITY

10.1 Reactivity Exothermic and possible violent reaction with concentrated acids and organic halogen compounds. Possible exothermic reaction with dilute acid solutions. Flammable hydrogen gas is produced on reaction with light metals, aluminium, zinc, tin and tin oxides.

10.2 Chemical stability Air sensitive. Will form carbonates on reaction with atmospheric carbon dioxide. Stable when stored in sealed container at normal temperatures and in a suitable location.

10.3 Possibility of hazardous reactions None if stored and used as directed. Refer to Section 10.1.

10.4 Conditions to avoid Damp. Extremes of temperature.

10.5 Incompatible materials Acids, nitriles, alkaline earth metals in powder form, ammonium compounds, cyanides, magnesium, organic nitro compounds, organic combustible substances, phenols and oxidisable substances.

10.6 Hazardous decomposition products None known.

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Chemical Name	Oral (LD50)	Inhalation (LC50)	Dermal (LD50)
Sodium hydroxide	2000 mg/kg (Rat)	No data available	1,350 mg/kg (Rabbit)

Symptoms / routes of exposure

Skin corrosion / irritation: Corrosive to skin tissue.

Serious eye damage / irritation: Causes damage to eye tissue.

Respiratory or skin sensitisation: Fumes can cause respiratory irritation.

Repeated dose toxicity: No data available.

Carcinogenicity: No data available.

Mutagenicity: No data available.

Toxicity for reproduction: No data available.

Specific target organ toxicity (STOT): No data available.

Further information: None.

12. ECOLOGICAL INFORMATION

12.1 Toxicity

Chemical name	Species	Test	Value
Sodium hydroxide	Daphnia	EC50 24h	76 mg/l
	Bluegill	LC50 48h	99 mg/l
	Rainbow trout	LC50 48h	45.4 mg/l

12.2 Persistence and degradability No data available.

12.3 Bioaccumulative potential Not expected to bioaccumulate.

12.4 Mobility in soil Readily absorbed into soil. Soluble in water.

12.5 Results of PBT and vPvB assessment No data available.

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12.6 Other adverse effects

The product should not be allowed to enter drains, water courses or soil. A rise in the pH of water to 10.5 or above may be fatal to fish and other aquatic organisms.

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Dispose of in accordance with local/national regulations. Do not dispose of waste into sewer. Do not dispose of together with household waste. Contact licensed waste disposal company. Empty containers should be taken to an approved waste handling site for recycling or disposal. Do not burn or use a cutting torch on the empty container.

14. TRANSPORT INFORMATION

14.1 UN number	1823
14.2 UN Proper shipping name	SODIUM HYDROXIDE, SOLID
14.3 Transport hazard class(es)	ADR/RID/ADN Class 8
	ADR/ RID/ADN Class 8
	ADR Label No. 8
	IMDG Class 8
	ICAO Class/Division 8
	ICAO Subsidiary Risk 8



Transport labels

14.4 Packing group	ADR/RID/AND; IMDG; ICAO	II
14.5 Environmental hazards	No	
14.6 Special precautions for user	ADR/RID: Tunnel code E	
	IMDG: Emergency schedules F-A, S-B	

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

15. REGULATORY INFORMATION

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

UK Regulatory References

The Control of Substances Hazardous to Health Regulations 2002 (S.I 2001 No.2677) with amendments.

EU Directives

Regulations (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. Regulation EU 453/2010 amending Regulation (EC) No 1907/2006.

Statutory Instruments

The Chemicals (Hazard information and Packaging for Supply) Regulations 2009 (S.I 2009 No. 716).

Guidance Notes

Health and Safety Executive Workplace Exposure Limits EH40.

15.2 Chemical Safety Assessment

Chemical safety assessments / reports are not required for mixtures.

16. OTHER INFORMATION

This safety data sheet is prepared in accordance with Regulation (EC) No 1907/2006 (REACH – Registration, Evaluation, Authorisation and Restriction of Chemicals) as amended and Regulation EU 453/2010.

Tariff Code: 34029090.

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) No 1272/2008 (CLP):

Physical hazards: On basis of test data / Expert judgement
Health hazards: Calculation method
Environmental hazards: Calculation method

Full text of H-statements referred to under Sections 2 and 3

H314 Causes severe skin burns and eye damage.
H315 Causes skin irritation.
H319 Causes serious eye irritation.

Abbreviations and acronyms

CAS: Chemical Abstract Service (division of the American Chemical Society) – Section 3.
STOT: Single Target Organ Toxicity – Section 11.
DNEL: Derived No Effect Level – Section 8.
PNEC: Predicted No Effect Concentration – Section 8.
TWA: Time Weighted Average – Section 8.
STEL: Short Term Exposure Limit – Section 8.
LC50: Lethal Concentration, 50 percent – Section 11/12.
LD50: Lethal Dose, 50 percent – Section 11.
PBT: Persistent, Bioaccumulative, Toxic – Section 12.
VPvB: very Persistent and very Bioaccumulative – Section 12.

Legal disclaimer: The above information is believed to be correct but does not purport to be all inclusive and shall only be used as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.

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