

Product Boat Buster
 Revision date 1st April 2020
 Revision 1



Safety Data Sheet (SDS)

Section 1: Identification of the substance/preparation and of the company/undertaking

1.1 Product identifier

Product name Boat Buster
Synonyms, Trade names No information available.

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

Identified uses Washing and cleaning products (including solvent based products). For trade and professional use only.
Uses advised against No uses advised against are identified.

1.3 Details of the supplier of the safety data sheet

Supplier Emerald Clover Ltd.
 Drumduffy
 Drumkeeran
 Co. Leitrim
 N41 T998
 Ireland
 Tel: 071 96 48008
 info@emeraldclover.ie

Contact person

1.4 Emergency telephone number

Emergency telephone Emergency medical information: 8am-10pm (seven days) contact National Poisons Information Centre, Beaumont Hospital, Dublin 9. Tel 01 8092566

Section 2: Hazards identification

2.1 Classification of the substance or mixture

Classification (EC 1272/2008)
 Physical and chemical hazards Not classified
 Human health Acute Tox 4 - H302, Skin Corr. 1B - H314, Eye Dam. 1 - H318
 Environment Not classified

2.2 Label elements

Contains 2-aminoethanol ethanolamine
 2-butoxyethanol ethylene glycol monobutyl ether butyl cellosolve
 Sodium dodecylbenzene sulfonate {linear alkylbenzene sulfonate}
 ALCOHOLS C6-C12 ETHOXYLATED ALKYL POLYOXYETHANE GLYCOL ETHER Alcohol C9-11, ethoxylated Alcohol Ethoxylate Alcohols (C6-C12) ethoxylated Alcohols, C6-12, ethoxylated Alcohols, C6-12, ethoxylated Alcohols, C6-12, ethoxylated (5 > EO < 20) Alcohols, C6-12, ethoxylated, 3-20 EO Alcohols, C7-11, ethoxylated, 5-20EO Alkyl alcohol, C6-C12, ethoxylated Ethoxylated hexanol NEODOL 91-8 primary alcohol ethoxylate tridecyl alcohol ethoxylate

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



Signal word Danger

Hazard statements

H302 Harmful if swallowed.
H314 Causes severe skin burns and eye damage.

Precautionary statements**Prevention**

P260 Do not breathe dust/fume/ gas/mist/vapours/spray.
P270 Do not eat, drink or smoke when using this product.
P280 Wear protective gloves/ protective clothing/eye protection/face protection.

Response

P310 Immediately call a POISON CENTER or doctor/physician.
P330 Rinse mouth.
P363 Wash contaminated clothing before reuse.

2.3 Other hazards

None known.

Section 3: Composition/identification of ingredients**3.1 Substance**

Not applicable.

3.2 Mixtures

Name	Product identifier	Reg. EU 1272/2008	%
tetrapotassium pyrophosphate	CAS-No.: 7320-34-5 EC No.: 230-785-7	Eye Irrit.2A - H319	1-10%
2-aminoethanol ethanolamine	CAS-No.: 141-43-5 EC No.: 205-483-3	Acute Tox 4 - H302, Acute Tox 4 - H312, Skin Corr. 1B - H314, Acute Tox 4 - H332	1-10%
sodium xylenesulphonate	CAS-No.: 1300-72-7 EC No.: 215-090-9	Eye Irrit.2A - H319	1-10%
2-butoxyethanol ethylene glycol monobutyl ether butyl cellosolve	CAS-No.: 111-76-2 EC No.: 203-905-0	Acute Tox 4 - H302, Acute Tox 4 - H312, Skin Irrit.2 - H315, Eye Irrit.2A - H319, Acute Tox 4 - H332	1-10%
Sodium dodecylbenzene sulfonate {linear alkylbenzene sulfonate}	CAS-No.: 25155-30-0 EC No.:	Acute Tox 4 - H302, Skin Irrit.2 - H315, Eye Dam. 1 - H318, STOT SE 3 - H335	1-10%
ALCOHOLS C6-C12 ETHOXYLATED ALKYL POLYOXYETHANE GLYCOL ETHER Alcohol C9-11, ethoxylated Alcohol Ethoxylate Alcohols (C6-C12) ethoxylated Alcohols, C6-12, ethoxylated Alcohols, C6-12, ethoxylated Alcohols, C6-12, ethoxylated (5 > EO < 20) Alcohols, C6-12, ethoxylated, 3-20 EO Alcohols, C7-11, ethoxylated, 5-20EO Alkyl alcohol, C6-C12, ethoxylated Ethoxylated hexanol NEODOL 91-8 primary alcohol ethoxylate tridecyl alcohol ethoxylate	CAS-No.: 68439-45-2 EC No.:	Acute Tox 4 - H302, Eye Dam. 1 - H318	1-10%
Alkohole, C9-11, ethoxyliert Alkyl(C9-11) alcohol, ethoxylated (C9-C11)Alkyl alcohol ethoxylate - 2-[2--2-[2-(2-decoxyethoxy)ethoxy]ethoxy]ethoxy]ethanol 68439-46-3 ALCOHOL C9-11, ETHOXYLATED ALCOHOL ETHOXYLATES ALCOHOLS, C9-11, ETHOXYLATED ALKYL(C9-11) ALCOHOL, ETHOXYLATED Alcohol C9-11, ethoxylated Alcohols C9-11 ethoxylated Alcohols C9-11,ethoxylated Alcohols, C7-11, ethoxylated Alcohols, C9-11 ethoxylated Alcohols, C9-11 ethoxylated, < 2.5 EO Alcohols, C9-11 ethoxylated, > 6 EO Alcohols, C9-11, ethoxylated Alcohols, C9-11, ethoxylated Alcohols, C9-11, ethoxylated (1 - 2.5 mol EO) Alcohols, C9-11, ethoxylated (2,5-4EO) Alcohols, C9-11, ethoxylated (3 mol EO average molar ratio) Alcohols, C9-C11, ethoxylated Alkohole, C9-11, ethoxyliert Alkoholethoxylat Alkyl alcohol, C9-C11, ethoxylated C9-C11 Pareth-3 ETHOXYLATED ALCOHOL Ethoxylated C9 -11 alcohols Ethoxylated C9-11 alcohols (CAS # 68439-46-3) Fattyalcohol-ethoxylate a a--(nonyl - undecyl)oxy)-w-(2-hydroxyethyl)poly(ethane-1,2-diyloxy) alcohols, C9-11, ethoxylated alcohols, c9-11, ethoxylated alcohols,C9-11,ethoxylated not applicable not available	CAS-No.: 68439-46-3 EC No.:	Eye Dam. 1 - H318	1-10%

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.

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	If inhaled, remove to fresh air. Keep person warm and at rest. If breathing is difficult, give oxygen. If not breathing, give artificial respiration and seek medical attention.
Ingestion	If this product is ingested, remove victim immediately from source of exposure. Rinse mouth thoroughly. Seek medical advice (show the label where possible). Never give anything by mouth to an unconscious person. Do not induce vomiting.
Skin contact	Remove affected person from source of contamination. Remove contaminated clothing. In case of skin contact flush exposed area with copious amounts of water. Continue to rinse for at least 15 minutes. Get medical attention if irritation develops or persists.
Eye contact	Do not rub eye. Avoid contaminating unaffected eye. Rinse with a gentle stream water for at least 15 minutes. Hold eye lids open. Remove contact lenses if present and easy to do so. Get prompt medical attention.

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	Inhalation of product dust may cause irritation to respiratory tract.
Ingestion	May cause chemical burns in mouth and throat. Harmful if swallowed.
Skin contact	Corrosive! Can cause redness, pain, and severe skin burns.
Eye contact	Causes severe eye damage.

4.3 Indication of any immediate medical attention and special treatment needed

Notes to the physician	Treat symptomatically.
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Section 5: Fire-fighting measures

5.1 Extinguishing media

Extinguishing media	Use fire-extinguishing media appropriate for surrounding materials. Water spray or CO ₂ .
Unsuitable extinguishing media	Do not use dry chemicals or foams.

5.2 Special hazards arising from the substance or mixture

Hazardous combustion products	During fire, toxic gases (CO, CO ₂) are formed. May produce oxygen if heated to decomposition.
Unusual fire & explosion hazards	Slowly decomposes at temperatures exceeding 50°C forming sodium carbonate and hydrogen peroxide. Dust clouds may be explosive.
Specific hazards	Decomposition is accelerated by heat and may be accompanied by evolution of oxygen, which may enhance the combustion of other flammable materials. Containers can burst violently when heated, due to excess pressure build-up.

5.3 Advice for firefighters

Special fire fighting procedures	Ventilate closed spaces before entering them. Keep up-wind to avoid fumes. Avoid breathing fire vapours. If possible, fight fire from protected position.
Protective equipment for firefighters	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.

Section 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions	Eliminate all sources of ignition. Read and follow manufacturer's recommendations. Avoid prolonged or repeated exposure. In case of inadequate ventilation, use respiratory
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For emergency responders

protection. Do not touch or walk through spilled material. Wear protective clothing as described in Section 8 of this safety data sheet. Avoid inhalation of dust or vapours and contact with skin and eyes. Avoid raising powdered materials into airborne dust. Follow safe handling advice and personal protective equipment recommendations for normal use of product.

6.2 Environmental precautions**Environmental precautions**

Avoid release to the environment.

6.3 Methods and material for containment and cleaning up**Spill clean up methods**

Prevent further leakage or spillage if safe to do so. Ventilate and evacuate the area. Eliminate all ignition sources. Wear necessary protective equipment. Wear respirator if ventilation is not adequate. Sweep/shovel up residues. Take care not to raise dust. Ensure that waste and contaminated materials are collected and removed from the work area as soon as possible in a suitably labelled container.

6.4 Reference to other sections**Reference to other sections**

For waste disposal, see section 13. See section 1 for emergency contact. For personal protection, see section 8.

Section 7: Handling and storage**7.1 Precautions for safe handling****Handling**

Avoid inhalation of dust and contact with skin and eyes. Use personal protective equipment, see Section 8. Ensure good dust ventilation during handling. Wear appropriate respirator when ventilation is inadequate.

Keep away from heat, sparks and open flame. Keep away from flammable materials and incompatible substances. Avoid generation of dust clouds/accumulation of dust in work area. Never return spilled product into its original container for re-use. (Risk of decomposition).

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

Store in tightly closed original container in a dry, cool and well-ventilated place. Keep away from incompatible materials (see section 10).

Storage class

Corrosive storage. Store separately from other chemicals.

7.3 Specific end use(s)**Specific end use(s)**

The identified uses are in section 1 of this Safety Data Sheet.

Usage description

Use only according to directions. Replace and tighten cap after use.

Section 8: Exposure controls/Personal protection**8.1 Control parameters**

Component	STD	TWA (8 Hrs)		STEL (15mins)		Notes
2-aminoethanol ethanolamine	OEL	1 ppm	2.5 mg/m ³	3 ppm	7.6 mg/m ³	
2-butoxyethanol ethylene glycol monobutyl ether butyl cellosolve	OEL	20 ppm	98 mg/m ³	50 ppm	246 mg/m ³	

Ingredient comments

Ireland, Occupational Exposure Limits 2018.

8.2 Exposure Controls**Protective equipment**



Engineering measures
Respiratory equipment

Provide adequate ventilation, including appropriate local extraction.
If ventilation is inadequate, suitable respiratory protection must be worn. EN 136/140/145/143/149. The specific respirator selected must be based on contamination levels found in the work place. Where risk assessment shows air-purifying respirators are appropriate a full face respirator conforming to EN143 should be used, and suitable respirator cartridges as a backup to engineering controls. Use respiratory protective components with combined A/P filter(s) for organic vapours/particulates. Consult manufacturer for specific advice.

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). Gloves must be inspected prior to use. Suggested material: PVC. Natural rubber. Layer thickness: 0.11 mm. Breakthrough time: >480 minutes. Consult manufacturer for advice.
Selection of the glove material depends on consideration of the penetration times, rates of diffusion and degradation, and concentration specific to the workplace. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices.

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 skin contact. The selected clothing must satisfy the European norm standard EN 943. Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Hygiene measures

Observe normal hygiene standards. Wash promptly if skin becomes contaminated. When using do not eat, drink or smoke. Wash hands after use.

Process conditions

Ensure that eye flushing systems and safety showers are located close by in the work place.

Section 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance	Liquid.
Colour	Green.
Odour	Characteristic.
Odour threshold - lower	No information available.
Odour threshold - upper	No information available.
pH-Value, Conc. Solution	12 - 13
pH-Value, Diluted solution	No information available.
Melting point	No information available.
Initial boiling point and boiling range	No information available.
Flash point	No information available.
Evaporation rate	No information available.
Flammability state	No information available.
Flammability limit - lower(%)	No information available.
Flammability limit - upper(%)	No information available.
Vapour pressure	No information available.
Vapour density (air=1)	No information available.

Relative density	1.05 kg/l
Bulk density	No information available.
Solubility	Soluble in water.
Decomposition temperature	No information available.
Partition coefficient; n-Octanol/Water	No information available.
Auto ignition temperature (°C)	No information available.
Viscosity	No information available.
Explosive properties	Not classified as explosive.
Oxidising properties	No information available.

9.2 Other information

Molecular weight	No information available.
Volatile organic compound	No information available.

Section 10: Stability and reactivity

10.1 Reactivity

Reactivity	Stable under recommended transport and storage conditions and under recommended use.
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10.2 Chemical stability

Stability	Stable under normal temperature conditions and recommended use.
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10.3 Possibility of hazardous reactions

Hazardous reactions	None under normal processing.
Hazardous polymerisation	No information available.
Polymerisation description	Unknown.

10.4 Conditions to Avoid

Conditions to avoid	Heat, sparks, open flames, temperature extremes and direct sunlight.
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10.5 Incompatible materials

Materials to avoid	Avoid strong oxidising agents. Strong acids.
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10.6 Hazardous decomposition products

Hazardous decomposition products	In case of fire, toxic gases (CO, CO ₂ ,) may be formed. When heated, vapours/gases hazardous to health may be formed.
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Section 11: Toxicological information

11.1 Information on toxicological effects

Toxicological information	Harmful if swallowed.
Acute toxicity (Oral LD50)	No information available.
Acute toxicity (Dermal LD50)	No information available.
Acute toxicity (Inhalation LD50)	No information available.
Serious eye damage/irritation	Causes serious eye damage.

Skin corrosion/irritation	No information available.
Respiratory sensitisation	No information available.
Skin sensitisation	No information available.
Germ cell mutagenicity	No information available.
Carcinogenicity	No information available.
Specific target organ toxicity - Single exposure:	
STOT - Single exposure	No information available.
Specific target organ toxicity - Repeated exposure:	
STOT - Repeated exposure	No information available.
Inhalation	Inhalation of product dust may cause irritation to respiratory tract.
Ingestion	May cause chemical burns in mouth and throat. Harmful if swallowed.
Skin contact	Corrosive! Can cause redness, pain, and severe skin burns.
Eye contact	Causes severe eye damage.
Waste management	When handling waste, consideration should be made to the safety precautions applying to handling of the product.
Routes of entry	No information available.
Target organs	Eyes, skin, digestive system, respiratory system.
Aspiration hazards:	No information available.
Reproductive toxicity:	No information available.

Section 12: Ecological information

12.1 Toxicity

Acute toxicity - Fish	No information available.
Acute toxicity - Aquatic invertebrates	No information available.
Acute toxicity - Aquatic plants	No information available.
Acute toxicity - Microorganisms	No information available.
Chronic toxicity - Fish	No information available.
Chronic toxicity - Aquatic invertebrates	No information available.
Chronic toxicity - Aquatic plants	No information available.
Chronic toxicity - Microorganisms	No information available.
Ecotoxicity	The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.
Eco toxicological information	The product is not classified as dangerous for the environment.

12.2 Persistence and degradability

Degradability	Biodegradable.
Biological oxygen demand	No information available.
Chemical oxygen demand	No information available.

12.3 Bioaccumulative potential

Bioaccumulative potential	No bioaccumulation potential.
Bioaccumulation factor	No information available.
Partition coefficient; n-Octanol/Water	No information available.

12.4 Mobility in soil

Mobility	Readily absorbed into soil.
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12.5 Results of PBT and vPvB assessment

Results of PBT and vPvB assessment	The product does not contain any PBT or vPvB substances.
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12.6 Other adverse effects

Other adverse effects	Negligible ecotoxicity.
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Section 13: Disposal considerations

Waste management	When handling waste, consideration should be made to the safety precautions applying to handling of the product.
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13.1 Waste treatment methods

Disposal methods	Dispose of waste and residues in accordance with local authority requirements, and in accordance with all local, national and international regulations. For waste disposal, use a licensed industrial waste disposal agent.
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Section 14: Transport information**14.1 UN number**

UN no. (ADR)	Not applicable.
UN no. (IMDG)	Not applicable.
UN no. (IATA)	Not applicable.

14.2 UN proper shipping name

ADR proper shipping name	Not applicable.
IMDG proper shipping name	Not applicable.
IATA proper shipping name	Not applicable.

14.3 Transport hazard class(es)

ADR class	Not applicable.
IMDG class	Not applicable.
IATA class	Not applicable.

Transport labels	Not applicable
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14.4 Packing group

ADR/RID/ADN packing group	Not applicable.
IMDG packing group	Not applicable.
IATA packing group	Not applicable.

14.5 Environmental hazards

ADR	No
IMDG	No
IATA	No

14.6 Special precautions for user

EMS	Not applicable.
Emergency action code	Not applicable.
Hazard no. (ADR)	Not applicable.
Tunnel restriction code	Not applicable.

14.7 Transport in bulk according to annex II of MARPOL73/78 and the IBC code**Section 15: Regulatory information****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 453/2010 of 20th May 2010 amending regulation (EC) No 1907/2006.
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Approved code of practice	2018 Code of Practice for the Chemical Agents Regulations in accordance with section 60 of the Safety, Health and Welfare at Work Act 2005 (No. 10 of 2005).
Chemical safety assessment	No chemical safety assessment has been carried out.

Section 16: Other information

General information	This Safety Data Sheet is in accordance with Reach Regulation (EC) No 453/2010.
Revision comments	This is a first issue.
Revision date	1 st April 2020
Revision	1
Safety data sheet status	Approved.

Hazard statements in full

H319	Causes serious eye irritation.
H302	Harmful if swallowed.
H312	Harmful in contact with skin.
H314	Causes severe skin burns and eye damage.
H332	Harmful if inhaled.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H335	May cause respiratory irritation.

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.