

Product INFLATABLE BOAT CLEANER
 Revision Date 06/08/2015
 Revision 1



SECTION 1: IDENTIFICATION

1.1 Product identifier

Product Name INFLATABLE BOAT CLEANER
Synonyms, Trade Names No Information Available

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

Identifier Uses HIGH POWERED CLEANING AGENT.
Uses advised against No uses advised against are identified.

1.3 Details of the supplier of the safety data sheet

Supplier Polymarine Ltd
 Chester House
 The Dingle
 Colwyn Bay
 CONWY, LL29 7SN
 Tel: 01492 583322
 info@polymarine.com

Contact Person

1.4 Emergency telephone number

Emergency Telephone 01492 583322 (Office Hours Only)

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Classification (EC 1272/2008)
 Physical and Chemical Hazards Not classified
 Human Health Skin Irrit.2 - H315, Eye Dam. 1 - H318
 Environment Aquatic Chronic 3 - H412,

2.2 Label elements

Contains sodium hydroxide
 Quarternary ethoxylated cocoamine dimethyl Sulfate Quaternary ammonium compounds,
 coco alkylbis(hydroxyethyl)methyl, ethoxylated, Me sulfates Quaternary ammonium
 compounds, coco alkylbis(hydroxyethyl)methyl, ethoxylated, Me sulfates (salts)

**Label in Accordance With (EC) No.
 1272/2008**



Signal Word Danger

Hazard Statements H315 Causes skin irritation.
 H318 Causes serious eye damage.
 H412 Harmful to aquatic life with long lasting effects.

Precautionary Statements P273 Avoid release to the environment.
 P280 Wear protective gloves/ protective clothing/eye protection/face protection.
 P302 + P352 IF ON SKIN: Wash with plenty of soap and water.
 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
 P337 + P313 If eye irritation persists: Get medical advice/attention

SECTION 3: Composition/Information on Ingredients

3.2 Mixtures

Name	Product Identifier	GHS Classification	%
sodium hydroxide	CAS-No.: 1310-73-2 EC No.: 215-185-5	Skin Corr. 1A - H314, Eye Dam. 1 - H318, Me. Corr 1 - H290	1-10%
tetrapotassium pyrophosphate	CAS-No.: 7320-34-5 EC No.: 230-785-7	Eye Irrit.2A - H319	1-10%
2-butoxyethanol	CAS-No.: 111-76-2 EC No.: 203-905-0	Acute Tox 4 - H302, Acute Tox 4 - H312, Acute Tox 4 - H332, Skin Irrit.2 - H315, Eye Irrit.2A - H319	1-10%
Quarternary ethoxylated cocoamine dimethyl Sulfate Quarternary ammonium compounds, coco alkylbis(hydroxyethyl)methyl, ethoxylated, Me sulfates Quarternary ammonium compounds, coco alkylbis(hydroxyethyl)methyl, ethoxylated, Me sulfates (salts)	CAS-No.: 68989-0-7 EC No.:	Skin Irrit.2 - H315, Eye Irrit.2A - H319, Aquatic Chronic 2 - H411	1-10%
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	CAS-No.: 61789-4-0 EC No.: 263-058-8	Skin Irrit.2 - H315, Eye Irrit.2A - H319	0-1%

The Full Text for all Hazard Statements are Displayed in Section 16.

Composition Comments

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures

General Information	General first aid, rest, warmth and fresh air.
Inhalation	Not a normal route of exposure. If symptoms develop, move victim to fresh air. If symptoms persist, obtain medical attention. Persons with respiratory problems should avoid breathing mist from this product.
Ingestion	Ingestion is not believed to be a likely route of exposure.
Skin contact	Wash the skin immediately with soap and water. Immediately remove contaminated clothing. Continue to rinse for at least 15 minutes. Get medical attention if irritation persists after washing.
Eye contact	Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention. Chemical burns must be treated promptly by a physician.

4.2 Most important symptoms and effects, both acute and delayed

General Information	No information available
Inhalation	No specific symptoms noted.
Ingestion	No specific symptoms noted.
Skin contact	May cause irritation of skin.
Eye contact	Causes serious 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: Firefighting Measures

5.1 Extinguishing media

Extinguishing Media	Use extinguishing media appropriate for surrounding materials.
Unsuitable extinguishing media	No information available

5.2 Special hazards arising from the substance or mixture

Hazardous combustion products	None Known.
Unusual Fire & Explosion Hazards	No unusual fire or explosion hazards noted.

Specific hazards No information available

5.3 Advice for firefighters

Special Fire Fighting Procedures Cool containers exposed to flames with water from the side, until after the fire is out. Move container from the fire area if it can be done without risk. Use water spray to reduce vapours.

Protective equipment for fire-fighters Wear full protective clothing and breathing apparatus if there is a risk of exposure to smoke or fumes.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal Precautions Use proper personal protection (refer to Section 8).

6.2 Environmental precautions

Environmental Precautions Keep run-off water out of sewers and water sources. Dike for water control. If water pollution occurs, notify appropriate authorities.

Spill Clean Up Methods No information available

6.4 Reference to other sections

Reference to other sections For waste disposal, see section 13.

SECTION 7: Handling and Storage

7.1 Precautions for Safe Handling

Handling Avoid skin and eye contact. Ventilate well. Use approved respirator in confined or unventilated areas.

7.2 Conditions for safe storage, including any incompatibilities

Storage Precautions Keep in cool dry, ventilated storage and closed.

Storage Class No information available

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.

SECTION 8: Exposure Controls/Personal Protection

8.1 Control Parameters

Component	STD	TWA (8 Hrs)		STEL (15mins)		Notes
sodium hydroxide	OEL				2mg/m3	
2-butoxyethanol	OEL	20ppm	98mg/m3	50ppm	246mg/m3	

OEL = Occupational Exposure Limits

Ingredient Comments Ireland, Occupational Exposure Limits 2011

8.2 Exposure Controls

Protective Equipment



Engineering Measures
Respiratory Equipment
Hand Protection

Provide adequate general and local exhaust ventilation.
 If ventilation is insufficient, suitable respiratory protection must be provided.
 Wear chemical protective gloves that are in accordance with EN 374. The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application. Layer thickness: 0.11mm. Breakthrough time: >480 min.

Eye Protection

Wear safety goggles in accordance with EN166. Eye protection equipment should be tested and approved according to regulations applicable, like NIOSH (US) or EN 166 (EU).

Other Protection
Hygiene Measures

Provide eyewash solution and water proof overalls if necessary.
 DO NOT SMOKE IN WORK AREA! Wash hands at the end of each work shift and before eating, smoking and using the toilet. Wash promptly if skin becomes wet or contaminated. Promptly remove any clothing that becomes contaminated. When using do not eat, drink or smoke.

SECTION 9: Physical and Chemical Properties

9.1 Information on Basic Physical and Chemical Properties

Appearance	Liquid.
Colour	Blue
Odour	No Information available.
Odour Threshold - Lower	No Information available.
Odour Threshold - Upper	No Information available.
pH-Value, Conc. 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	1.089 @ 20.0 °C
Bulk Density	No Information available.
Solubility	No Information available.
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 No information available.

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 Reactions may occur with strong acids.

10.2 Chemical Stability

Stability No particular stability concerns.

10.3 Possibility of Hazardous Reactions

Hazardous Reactions None known.

10.4 Conditions to Avoid

Conditions to Avoid None known.

10.5 Incompatible Materials

Materials to Avoid Keep away from strong acids.

10.6 Hazardous Decomposition Products

Hazardous Decomposition Products No hazardous decomposition products.

SECTION 11: Toxicological Information

11.1 Information on toxicological effects

Toxicological Information No Information available.

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 Slight to Moderate.

Respiratory Sensitisation No Information available.

Skin Sensitisation No Information available.

Germ Cell Mutagenicity:

Genotoxicity - In Vitro

Genotoxicity - In Vivo

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 No specific symptoms noted.

Ingestion No specific symptoms noted.

Skin contact May cause irritation of skin.

Eye contact	Causes serious 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	No Information available.
Aspiration Hazards:	No Information available.
Reproductive Toxicity:	No Information available.

Name	LD50 Oral	LD50 Dermal	LD50 Inhalation
sodium hydroxide	2000.00mg/kg Rat		
2-butoxyethanol	>300.00mg/kg Rat	>1000.00mg/kg Rat	
Quarternary ethoxylated cocoamine dimethyl Sulfate Quaternary ammonium compounds, coco alkylbis(hydroxyethyl)methyl, ethoxylated, Me sulfates Quaternary ammonium compounds, coco alkylbis(hydroxyethyl)methyl, ethoxylated, Me sulfates (salts)	>2000.00mg/kg Rat		

SECTION 12: Ecological Information

12.1 Ecotoxicity

Ecotoxicity No Information available.

12.2 Persistence and Degradability

Degradability The product is readily biodegradable.
Biological Oxygen Demand No Information available.
Chemical Oxygen Demand No Information available.

12.3 Bioaccumulative Potential

Bioaccumulative Potential No data available on bioaccumulation.
Bioaccumulation Factor No Information Available
Partition coefficient; n-octanol/water No Information available.

12.5 Mobility

Mobility No information available.

12.6 Results of PBT and vPvB Assessment

Results of PBT and vPvB Assessment No information available.

12.7 Other Adverse Effects

Other Adverse Effects No information available.

Name	Acute Toxicity (Fish)	Acute Toxicity (Aquatic Invertebrates)	Acute Toxicity (Aquatic Plants)
sodium hydroxide	LC50 48 Hours 45.40mg/l Onchorhynchus mykiss (Rainbow Trout)	EC50 76.00mg/l Daphnia magna	
2-butoxyethanol	LC50 96 Hours >100.00mg/l Lepomis macrochirus (Bluegill)	EC50 >100.00mg/l Daphnia magna	
Quarternary ethoxylated cocoamine dimethyl Sulfate Quaternary ammonium compounds, coco alkylbis(hydroxyethyl)methyl, ethoxylated, Me sulfates Quaternary ammonium compounds, coco alkylbis(hydroxyethyl)methyl, ethoxylated, Me sulfates (salts)		EC50 48 Hours 10.00mg/l Daphnia magna	

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.
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SECTION 14: Transport Information**14.1 UN Number**

UN No. (ADR/RID/ADN)	Not applicable.
UN No. (IMDG)	Not applicable.
UN No. (ICAO)	Not applicable.

14.2 UN Proper Shipping Name

Proper Shipping Name	Not applicable.
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14.3 Transport Hazard Class(es)

ADR/RID/ADN	Not applicable.
ADR/RID/ADN Class	Not applicable.
ADR Label No.	
IMDG Class	Not applicable.
ICAO Class/Division	Not applicable.
Transport Labels	

14.4 Packing Group

ADR/RID/ADN Packing Group	Not applicable.
IMDG Packing Group	Not applicable.
ICAO Packing Group	Not applicable.

14.5 Environmental Hazards

Environmentally Hazardous Substance/Marine Pollutant	No
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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

Not applicable.

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.
Approved Code of Practice	2011 Code of Practice for the Safety, Health and Welfare at Work(Chemical Agents) Regulations 2001 (S.I. No. 619 of 2001)
Chemical Safety Assessment	No chemical safety assessment has been carried out.

SECTION 16: Other Information

General Information	No information available
Revision Comments	No information available
Revision Date	06/08/2015
Revision	1
Safety Data Sheet Status	Approved.

Hazard Statements In Full

H290	May be corrosive to metals.
H314	Causes severe skin burns and eye damage
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H302	Harmful if swallowed.
H312	Harmful in contact with skin
H315	Causes skin irritation.
H332	Harmful if inhaled.
H411	Toxic to aquatic life with long lasting effects.
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.