



SAFETY DATA SHEET

Optimarine Clean

Issued: 10/08/15 replaces 21/11/14

Sections amended: All

Section 1. Identification of the Substance/Mixture and of the Company/Undertaking

1.1 Product Identifier

Product Name: Optimarine Clean

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

Identified uses: Marine and offshore boat cleaner

Uses advised against: This product is not recommended for any industrial, professional or consumer use other than the identified uses above.

For specific application advice see appropriate Technical Data Sheet or consult our company representative

1.3 Details of the supplier of the safety data sheet

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Ullenwood
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customerservice@optimumoils.com

1.4 Emergency telephone number: 07544 909346

Section 2. Hazards Identification

2.1 Classification of the substance or mixture

Product definition: Mixture

Classification according to Regulation (EC) No. 1272/2008 (CLP/GHS)

Physical and Chemical Hazards: Not classified

Human health: Eye Irrit.2 – H319

Environment: Not classified

See Section 16 for the full text of any H statements declared above

See Section 11 for more detailed information on health effects and symptoms



2.2 Label elements

Label in accordance with Regulation (EC) No. 1272/2008 (CLP/GHS)

Hazard pictogram(s):



Signal word: Warning

Hazard statements:

H319 Causes serious eye irritation

Precautionary statements:

P102 Keep out of reach of children

P264 Wash hands thoroughly after handling

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

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

P337 + P313 If eye irritation persists: Get medical advice / attention

Supplementary Precautionary statements:

Not applicable

Supplemental label information:

None

2.3 Other hazards

Not classified as PBT/vPvB by current EU criteria

Section 3. Composition / Information on ingredients

3.1 Substances

3.2 Mixtures

Product/ingredient name	Identifiers	%	Classification according to Regulation (EC) No. 1272/2008 (CLP/GHS)	Type
beta – Alanine, N- (2-carboxyethyl)–, N – coco alkyl derives., disodium salts	RRN: 01-219976233-35-0001 EINECS: 290 – 476 - 8 CAS: 90170 – 43 - 7	1 - 10	Eye Irrit. 2, H319	[1]



See Section 16 for the full text of any H statements declared above

There are no ingredients present which, within the current knowledge of the supplier and in the concentrations applicable are classified as hazardous to health or the environment, are PBTs or vPvBs or have been assigned a workplace exposure limit and hence require reporting in this section.

[1] Substance classified with a health or environmental hazard

Section 4. First Aid measures

4.1 Description of first aid measures

Eye contact: Immediately flush eyes with plenty of water occasionally lifting the upper and lower eyelids to ensure removal of any trapped material. Check for and remove any contact lenses. Continue to rinse for at least 15 minutes. Get medical attention immediately.

Inhalation: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur. If unconscious, place in the recovery position, maintain an open airway and get medical attention immediately. Maintain an open airway. Loosen any tight clothing such as collar, tie, belt etc.

Skin contact: Wash skin thoroughly with soap and water. Do not use solvents or thinners. Remove contaminated clothing including shoes. Get medical attention if symptoms occur. Launder clothing and thoroughly clean shoes before re-use.

Ingestion: Wash out mouth with water. Remove any dentures to ensure removal of any trapped product. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the victim is conscious give small quantities of water to drink. Do not induce vomiting. Get medical attention.

Protection of first-aiders

No action shall be taken involving personal risk or without suitable training.

4.2 Most important symptoms and effects, both acute and delayed

Potential acute health effects

Eye contact: Causes serious eye irritation

Inhalation: No known significant effects or critical hazards

Skin: There may be mild irritation at the site of contact

Ingestion: There may be irritation of the throat

Over-exposure signs / symptoms

Eye contact: Adverse symptoms may include pain, irritation, watering, redness

Inhalation: No specific data

Skin: Adverse symptoms may include irritation, redness

Ingestion: No specific data



4.3 Indication of any immediate medical attention and special treatment needed

Notes for Doctors:

Treat symptomatically – contact poison treatment specialist immediately if large quantities have been ingested

Specific treatments: No specific treatment

Section 5. Fire-fighting measures

5.1 Extinguishing media

Suitable extinguishing media: dry powder, CO₂, foam or water spray (fog)

Unsuitable extinguishing media: Do not use direct water jet

5.2 Special hazards arising from the substance or mixture

Hazards from the substance or mixture

Water based product therefore will not support combustion.

In a fire or if heated, a pressure increase will occur and the container may burst - use water spray (fog) to keep fire-exposed containers cool.

Hazardous thermal decomposition products

May include Carbon Dioxide, Carbon Monoxide, Nitrogen Oxides (NO, NO₂) and organic materials

5.3 Advice for fire fighters

Special protective actions for fire fighters

Promptly isolate the scene by removing all persons from the vicinity of the incident.

No action shall be taken involving personal risk or without suitable training.

Special protective equipment for fire fighters

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 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

NB. The product may make surfaces slippery

For non-emergency personnel

No action shall be taken involving any personal risk or without suitable training.

Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering area.

Do not touch or walk through spilt material.

Put on appropriate personal protective equipment.



For emergency responders

As per information for non-emergency personnel

6.2 Environmental precautions

Although readily biodegradable, avoid dispersal of spilt material or any run off resulting in contact with soil or entry into drains, sewers or watercourses.

Inform the relevant authorities if the product has caused environmental pollution involving air, soil, sewers or watercourses.

6.3 Methods and materials for containment and clean up

Small spillages

If not already stopped and able to do so without personnel risk stop leak.

Prevent from spreading further then absorb with an inert dry material eg. sand, earth, vermiculite or appropriate proprietary spill kit pads and dispose of in accordance with local bylaws and the requirements of the Environmental Protection Act 1990 using a licensed waste disposal contractor.

Large spillages

If not already stopped and able to do so without personnel risk stop leak.

Prevent from spreading further especially entry into sewers and watercourses.

The liquid should be reclaimed directly or in an absorbent medium (as specified above in small spillages section) then transferred to suitable, clearly marked containers and disposed of in accordance with local byelaws and the requirements of the Environmental Protection Act 1990 using a licensed waste disposal contractor.

NB. Contaminated absorbent material may pose the same hazard as the spilt product

6.4 References to other sections

See Section 1 for emergency contact details.

See Section 8 for information on appropriate personal protective equipment.

See Section 13 for additional waste treatment information.

Section 7. Handling and Storage

The information in this section also contains generic advice and guidance.

7.1 Precautions for safe handling

Protective measures

Wear appropriate personal protective equipment – see Section 8.

Do not swallow.

Avoid contact with eyes, skin and clothing.

Avoid inhalation of vapours, mists or fumes.

Keep in original container or an approved alternative made from a compatible material.

Keep container tightly closed when not in use.

Do not use pressure to empty drum or explosion may result.

Empty containers retain product residue and can be hazardous.

Do not re-use container.



Advice on general occupational hygiene

Eating, drinking and smoking should be prohibited in areas where this material is stored, handled and processed.
Wash hands after use, before eating, drinking or smoking, before and after using the toilet.
Remove contaminated clothing and any personal protective equipment before entering eating areas.
See Section 8 for further details.

7.2 Conditions for safe storage including any incompatibilities

Store in accordance with any legislative requirements including local regulations.
Store in original container or an approved alternative made from a compatible material.
Store upright in a dry, covered, cool well ventilated area protected from freezing and direct sunlight away from incompatible materials (see Section 10) and food and drink. Store in a secure area.
Keep containers tightly closed and sealed until ready for use. Containers that have been opened must be carefully re-sealed and kept upright to prevent leakage.
Ensure all containers are fully labelled with product and hazard details legible. Do not store in unlabelled containers.
Protect from mechanical impact and use appropriate containment to avoid environmental pollution.

7.3 Specific end use(s)

The identified uses for this product are detailed in Section 1.2

Section 8. Exposure controls / Personal protection

The information in this section also contains generic advice and guidance.

8.1 Control parameters

Occupational Exposure Limits

There are no known exposure limits for this material or any of its ingredients and therefore occupational exposure should be As Low As Reasonably Practicable (ALARP)

Recommended monitoring procedures: Reference should be made to European Standard EN 689 for methods for the assessment of exposure by inhalation to chemical agents and national guidance documents for methods for the determination of hazardous substances.

Derived effect levels: No DNELs available

Predicted effect concentrations: No PNECs available

8.2 Exposure controls

Appropriate engineering controls

No special ventilation requirements. Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

Individual protection measures

Hygiene measures

Wash hands, forearms and face thoroughly after handling any chemical products, before eating, smoking, before and after using the toilet and at the end of each working period.
Appropriate techniques should be used to remove potentially contaminated clothing.
Wash contaminated clothing before re-use.
Ensure that eyewash stations and safety showers are close to the workstation location.



Personal protective equipment (PPE)

The use of PPE is only one aspect of an integrated approach to the Control of Substances Hazardous to Health (COSHH). The choice of PPE is dependent upon local conditions e.g. Exposure to other chemical substances or hazards and the degree of manual dexterity required to undertake activity. Whilst the content of this section may inform the choice of PPE available the limitations of any data must be fully understood e.g. PPE chosen to protect from occasional splashes may be entirely inadequate for activities involving partial or total immersion.

The choice of PPE should only be undertaken after a full COSHH and workplace Risk Assessment by a suitably qualified competent person. Effective protection is only achieved by correctly fitting and well maintained equipment that is regularly inspected and replaced if found defective. Additionally users must be suitably trained in its usage.

Eye / Face protection



Safety glasses

Eye / face protection conforming to a minimum standard of EN 166 is required when handling this product.

The minimum requirement is safety glasses with side shields.

Higher rated protection must be considered for more hazardous operations or work areas eg. chipping or grinding to avert injury from fast moving particles or broken tools.

Hand protection



Impervious gloves are recommended when handling this product.

Such PPE is made from a wide range of materials but there is no single material or combination of materials which give unlimited resistance to any individual or combination of substances.

PVC or Nitrile conforming to EN374-3 may be suitable but actual choice must be made by a suitably qualified competent person.

Nitrile gloves of minimum thickness 0.4mm have an expected breakthrough time of 480 minutes or less when in frequent contact with the product. Due to variable exposure conditions the user must consider that the practical use of a chemical protective glove in practice may be much shorter than 480 minutes. Manufacturer's directions for use, especially about the minimum thickness and the minimum breakthrough time must be observed.

This information does not replace suitability tests by the end user since glove protection varies depending on the conditions under which the product is used.

Personal hygiene is a key element of effective hand care. Gloves must only be worn on clean hands.

Body protection

Clothing providing full covering of arms and legs should be used to minimise risk of skin contact.

Requirement for any further PPE must be assessed by a suitably qualified competent person.

Do not wear contaminated clothing. Launder before re-use



Other skin protection

Appropriate footwear should be selected based on the task being performed and risks involved. EN345 safety boots resistant to oils and hydrocarbons may be suitable but actual choice must be made by a suitably qualified competent person.

Respiratory protection

At standard temperature and pressure with good ventilation and safe working practises respiratory protection is not required. However, if inadequate ventilation, elevated temperatures or if risk assessment indicates is necessary then respiratory protection should be worn. Selection must be based on known or anticipated exposure levels and safe working limits of the selected respirator. Half masks (EN 149) or valved half masks (EN 405) in combination with type AX (EN 371) and P2/3 (EN 143) pre-filters may be suitable but actual choice must be made by a suitably qualified competent person.

Environmental exposure controls

Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation.

Section 9. Physical and Chemical properties

9.1 Information on basic physical and chemical properties

The following are indicative values only:-

Appearance / State	Light straw / Pale brown liquid
Odour	Mild/ Characteristic
Odour threshold	Not available
pH	8 - 9
Melting point / freezing point °C	<0
Initial boiling point / range °C	>100
Flashpoint °C	Not applicable (water based)
Evaporation rate °C	Not available
Flammability (solid, gas)	Not applicable (liquid)
Flammability Limit – Lower %	Not applicable (water based)
Flammability Limit – Upper %	Not applicable (water based)
Vapour pressure	Not available
Vapour density	Not available
Relative Density @25 °C	Not available
Solubility(ies)	100% soluble in water
Partition coefficient (n – octanol/water)	Not available
Auto ignition Temperature °C	Not applicable (water based)
Decomposition Temperature °C	Not available
Viscosity @40 °C cST	Not available
Explosive properties	Not available
Oxidising properties	Not available

9.2 Other information: None



Section 10. Stability and Reactivity

10.1 Reactivity: No specific test data related to reactivity available for this product or its ingredients.

10.2 Chemical stability: The product is stable under normal temperature conditions and recommended use.

10.3 Possibility of hazardous reactions: Under normal temperature conditions and recommended use hazardous reactions will not occur

10.4 Conditions to avoid: No data available

10.5 Incompatible materials: Avoid strong acids and oxidising agents

10.6 Hazardous decomposition products: May include Carbon Dioxide, Carbon Monoxide, Nitrogen Oxides (NO, NO₂) and organic materials

Section 11. Toxicological information

Basis of assessment

Toxicological data may not have been determined specifically for all end points (e.g. Mutagenicity, carcinogenicity, reproductive toxicity, repeated dose and acute toxicity, corrosivity, irritation, sensitisation etc.) for this material. Assessment has been based upon a combination of test data, human experience and toxicological data generated on similar components

11.1 Information on Toxicological effects

Acute Toxicity

Conclusion / summary : Based on available data, the classification criteria are not met.

Irritation / Corrosion

Conclusion / summary

Skin: Based on available data, the classification criteria are not met

Eyes: Causes serious eye damage / irritation

Respiratory: Based on available data, the classification criteria are not met

Respiratory or Skin Sensitisation

Conclusion / summary

Skin: Based on available data, the classification criteria are not met

Respiratory: Based on available data, the classification criteria are not met

NB. The susceptibility of individuals with respect to allergic responses to different chemicals can vary considerably

Mutagenicity

Conclusion / summary : Based on available data, the classification criteria are not met.

Carcinogenicity

Conclusion / summary : Based on available data, the classification criteria are not met.



Reproductive Toxicity

Conclusion / summary : Based on available data, the classification criteria are not met.

Teratogenicity

Conclusion / summary : Based on available data, the classification criteria are not met.

Specific target organ toxicity (single exposure)

Conclusion / summary : Based on available data, the classification criteria are not met.

Specific target organ toxicity (repeated exposure)

Conclusion / summary : Based on available data, the classification criteria are not met.

Aspiration hazard

Conclusion / summary : Based on available data, the classification criteria are not met.

Information on the likely routes of exposure:

Potential acute health effects

Eye contact: Causes serious eye irritation

Skin contact: There may be mild irritation at the site of contact

Inhalation: No specific data

Ingestion: There may be irritation of the throat

Symptoms related to the physical, chemical and toxicological characteristics

Eye contact: Adverse symptoms may include pain, irritation, watering, redness

Skin: Adverse symptoms may include irritation, redness at the site of contact

Inhalation: No specific data

Ingestion: There may be irritation of the throat

Delayed and immediate effects and also chronic effects from short and long term exposure

Short Term Exposure

Potential immediate effects: Serious eye irritation and possible irritation of the skin at site of contact and the throat if ingested.

Potential delayed effects: Not available

Long Term Exposure

Potential immediate effects: Not available

Potential delayed effects: Not available



Potential chronic health effects

Conclusion / Summary: Based on available data, the classification criteria are not met

Carcinogenicity: No known significant effects or critical hazards

Mutagenicity: No known significant effects or critical hazards

Teratogenicity: No known significant effects or critical hazards

Developmental effects: No known significant effects or critical hazards

Fertility effects: No known significant effects or critical hazards

Toxicokinetics

Absorption: Not available

Distribution: Not available

Metabolism: Not available

Elimination: Not available

Section 12. Ecological information

Basis of assessment

Ecological data may not have been determined specifically for all end points for this material. Assessment has been based upon a combination of test data, other available evidence and ecotoxicological data generated on similar components

12.1 Toxicity

No specific data available for Ecotoxicity values but expected to have negligible ecotoxicity

12.2 Persistence and Degradability

Biodegradable.

12.3 Bioaccumulative Potential

No bioaccumulation potential

12.4 Mobility in soil

Soil / Water Coefficient

Not available

Mobility

Readily absorbed into soil

12.5 Results of PBT and vPvB assessment

Not classified as PBT/vPvB by current EU criteria



12.6 Other adverse effects

None known

Section 13. Disposal considerations

The information in this section also contains generic advice and guidance.

13.1 Waste treatment methods

Product

Methods of disposal

The generation of waste should be avoided or minimised wherever possible.

Significant quantities of waste product residues should not be disposed of via the foul sewer but processed in a suitable effluent treatment plant.

Disposal of surplus and non-recyclable products via a licensed waste disposal contractor.

Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements.

Packaging

Methods of disposal

The generation of waste should be avoided or minimised wherever possible. Waste packaging should be recycled.

Incineration or landfill should only be considered when recycling is not feasible.

Special precautions

This product and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spill material or any run off resulting in contact with soil or entry into drains, sewers or watercourses.

Section 14. Transport Information

	ADR/RID	IMDG	IATA
Applicable	No	No	No
14.1 UN number	N/A	N/A	N/A
14.2 UN proper shipping name	N/A	N/A	N/A
14.3 Transport hazard class(es)	N/A	N/A	N/A
14.4 Packing group	N/A	N/A	N/A
14.5 Environmental hazards	N/A	N/A	N/A
14.6 Special precautions for user	N/A	N/A	N/A

14.7 Transport in bulk according to Annex II of Marpol 73/78 and the IBC Code: Not applicable



Section 15. Regulatory Information

15.1 Safety, Health and Environmental Regulations/Legislation specific for the Substance or Mixture

Regulation (EC) No. 1907/2006 (REACH)

Regulation (EC) No. 1272/2008 (CLP)

Control of Substances Hazardous to Health Regulations 2002 and its subsequent amendments (COSHH)

Health and Safety at Work etc Act 1974

Personal Protective Equipment at Work Regulations 1992

The Workplace (Health, Safety and Welfare) Regulations 1992

Environmental Protection Act 1990

The Waste (England and Wales) Regulations 2011 and its subsequent amendment

The Controlled Wastes (England and Wales) Regulations 2012 and its subsequent amendment

15.2 Chemical Safety Assessment

A chemical safety assessment has not been carried out by the supplier

Section 16. Other Information

This safety data sheet is prepared in accordance with Commission Regulation (EU) No. 453/2010

Full text of classifications [CLP/GHS]:

Eye Irrit. 2, H319: SERIOUS EYE DAMAGE / EYE IRRITATION – Category 2

Full text of abbreviated H statements:

H319: Causes serious eye irritation

Abbreviations and acronyms:

ATE – Acute Toxicity Estimate

CLP – Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008]

DNEL – Derived No Effect Level

PBT – Persistent, Bioaccumulative and Toxic

PNEC – Predicted No Effect Concentration

RRN – REACH Registration Number

vPvB – Very Persistent and Very Bioaccumulative

Classification as shown on suppliers SDS determined by calculation method



NOTICE TO USERS

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

The data and advice given in this Safety Data Sheet apply only when the product is used for the stated application or applications. The product is not sold as suitable for any other application. When used incorrectly, or when used for applications other than as stated in this Safety Data Sheet, risks not mentioned in this Safety Data Sheet may arise.

If you have purchased the product for supply to a third party, it is your duty to pass to that third party the information given in this Safety Data Sheet. If the third party is not an employer it is his duty to pass the information, given in this Safety Data Sheet, to the employer of whoever uses or handles the product.

It is an employer's duty to advise and instruct his employees handling the product (and others who may be affected) of any hazards described in the Safety Data Sheet and of any precautions that should be taken to ensure safe handling of the product.

Prepared by: Optimum Oils Ltd