

Safety Data Sheet

According to 29 CFR 1910.1200

Trade name: Accell Clean® Marine

Product No: 15000

Version: 4 / EN

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Print date: 06.14.2021

Revision date: 06.14.2021

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

1.1 Product identifier:

Substance name : Accell Clean® Marine
CAS No : Mixture
Product code : 15000
Product description : Proprietary Mixture
Product type : Liquid
Other means of identification : Not available

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

Recommended uses : This product is a marine cleaner designed to improve ship turnaround time in port.
Do not freeze or store in elevated temperatures.
Restrictions on use : Test compatibility of product with rubber or plastic before use.

1.3 Details of the supplier of the safety data sheet:

Supplier:

Name : Advanced BioCatalytics
18010 Skypark Circle, Suite 130
Irvine, CA, USA 92614

Information contact : Tel: +1 949-442-0880

E-Mail address of person responsible for this SDS : tech@abiocat.com

1.4 EMERGENCY TELEPHONE NUMBER: +1 800-424-9300 (Chemtrec)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture:

Classification according to 29 CFR 1910.1200

Skin Irrit. 2, H315

Eye Dam. 1, H318

Acute Aquatic Tox. 2, H401

Full text of H-phrases: see SECTION 16.

2.2 Label elements

Labelling according to 29 CFR 1910.1200

Hazard pictograms



Signal word: Danger

Hazard statements:

H315 Causes skin irritation

H318 Causes serious eye damage

H401 Toxic to aquatic life

Precautionary statements:

P264 Wash hands thoroughly after handling.

P273 Avoid release to the environment, if this is not the intended use.

P280 Wear protective gloves and eye/face protection.

P302+P352 IF ON SKIN: Wash with plenty of 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/doctor.

P321 Specific treatment: seek medical advice/attention.

P332+P317 If skin irritation occurs: Get medical help.

P362+P364 Take off contaminated clothing and wash it before reuse.

P501 Dispose of contents/container in accordance with local regulations.

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SECTION 3. Composition/information on ingredients

3.1 Substances/Mixture : Mixture

Substance name	CAS No.	Weight %	Classification according Regulation (EC) No. 1272/2008 [CLP]
Proprietary blend of surfactants	N/A	20 – 25	Skin Irrit. 2, H315 Eye Dam. 1, H318 Acute Aquatic Tox. 3, H402
Hexylene Glycol	107-41-5	5 – 10	Skin Irrit. 2, H315 Eye Irrit. 2A, H319
Tetrasodium ethylene diamine tetraacetate	64-02-8	<2	Eye Dam. 1, H318 Acute Inhal. Tox. 4, H332 Carcin. 2, H351 STOT (repeat) 2, H373
Triethanolamine	102-71-6	<1	Skin Irrit. 2, H315 Eye Dam. 1, H318 STOT (repeat) 2, H373

Additional information:

Occupational exposure limits, if available, are listed in Section 8.

Full text of H- phrases: see SECTION 16.

This mixture does not contain further substances fulfilling the criteria of hazard class "acute toxicity" according to CLP regulation.

SECTION 4: First aid measures

4.1 Description of first aid measures

- Inhalation** : If breathing is affected, move to fresh air.
- Eye Contact** : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Specific treatment: Immediately call a poison center/doctor/physician.
- Skin contact** : Wash with plenty of water. Take off contaminated clothing and wash it before reuse. If skin irritation occurs: Get medical advice/attention.
- Ingestion** : Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a physician immediately.
- Self-protection of the first aider** : No action shall be taken involving any personal risk or without suitable training.

4.2 Most important symptoms and effects, both acute and delayed

- Inhalation** : No specific data
- Eye contact** : Pain, local redness, swelling.
- Skin contact** : Skin redness, itching, swelling.
- Ingestion** : No specific data

4.3 Indication of any immediate medical attention and special treatment needed

- Notes for the doctor** : Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
- Special treatment** : Not known.

SECTION 5: Firefighting measures

- 5.1 Suitable extinguishing media** : Dry chemical, water spray, foam, or carbon dioxide.
- 5.2 Special hazards arising from the substance or mixture** : When heated to decomposition, it emits acrid smoke and irritating fumes.
- 5.3 Advice for fire-fighters** : As in any fire, wear self-contained breathing apparatus, pressure-demand, and full protective gear.

SECTION 6: Accidental release measures

- 6.1 Personal precautions** : Wear personal protective equipment stated in Section 8.

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Non-emergency personnel	: No action shall be taken involving any personal risk or without suitable training.
Emergency responders	: If specialized clothing is required to deal with the spillage, take note of any information from Section 8.
6.2 Environmental precautions	: Avoid release to the environment, if this is not the intended use.
6.3 Methods and material for containment and clean up	: Soak up with inert absorbent material. Sweep up and shovel into suitable containers for disposal. Use a water rinse for final clean-up.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Protective measures	: Put on appropriate personal protective equipment (Section 8). Avoid unnecessary long term contact with skin, eyes, and clothing. Do not taste or swallow. Use with adequate ventilation. Avoid unnecessary long term breathing of mists or vapors. Remove and wash contaminated clothing and footwear before reuse. Eating, drinking, and smoking are prohibited in areas where this material is handled, stored, and processed.
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7.2 Conditions for safe storage, including any incompatibilities

Storage requirements	: Keep out of reach of children. Keep container(s) stored in cool, well-ventilated area. Keep container tightly closed until ready for use. Avoid possible sources of ignition (spark or flame).
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Incompatibilities : Strong acids. Strong bases. Sources of ignition. Do not freeze.

Packaging materials : Unlined steel drums or plastic totes.

7.3 Specific end uses

Recommendations : See the label and Certificate of Analysis (CoA) for the recertification date.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limits

Hexylene Glycol : PEL/CEILING value 25 ppm

Tetrasodium ethylene : PEL/CEILING value 2 ppm

diamine tetraacetate

Triethanolamine : TLV value 5 ppm

8.2 Exposure controls

Appropriate engineering controls : Good general ventilation should be sufficient to control airborne levels.

Eye / Face protection : Wear safety goggles that prevent exposure to liquid splashes, mists, gases, or dusts.

Skin and body protection : No PPE is required when used under normal conditions.

Hand protection : Wear rubber, nitrile, or latex gloves (chemical-resistant).

Other skin protection : No PPE is required when used under normal conditions.

Respiratory protection : No PPE is required when used under normal conditions.

Thermal Hazards : None.

Environmental exposure controls : None.

SECTION 9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance

Physical State : Liquid.

Color : Light amber.

Odor : Non-irritating, fatty odor.

Odor Threshold : No information available.

Taste : No information available.

pH : 7.5 – 8.5

Dilution pH : No information available.

Melting point / Freezing point : <0°C (<32°F)

Initial boiling point and : >100°C (>212°F)

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boiling point range	
Flash Point	: >93.3°C (>200°F)
Evaporation Rate	: No information available.
Flammability (solid/gas)	: No information available.
Solubility	: No information available.
Percent Volatile	: 82 – 86%
Vapor Pressure	: No information available.
Vapor Density	: No information available.
Relative Density	: 8.33 – 8.58 lbs/gal.
Specific Gravity	: 1.000 – 1.030
Kinematic viscosity	: No information available.
Auto-ignition Temperature	: No information available.
Decomposition Temperature	: No information available.
Water/Oil Dist. Coefficient	: No information available.
Elemental Phosphorus	: 0.0

SECTION 10: Stability and reactivity

10.1 Reactivity	: Stable under normal conditions of storage and uses.
10.2 Chemical stability	: Product is stable.
10.3 Possibility of hazardous reactions	: Under normal conditions of storage and use, hazardous reactions will not occur.
10.4 Conditions to avoid	: Ignition sources, incompatible materials. Do not freeze.
10.5 Incompatible materials	: Strong acids, bases, oxidative agents, and quaternary disinfectants can degrade/inactivate product. Test compatibility of product with rubber, plastic, or metal compounds and acids before full scale use.
10.6 Hazardous decomposition products	: Carbon monoxide and sulfur oxides may be released at thermal decomposition.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

	Effect dose / -concentration	Value	Species	Method	Symptoms / delayed effects
Accell Clean® Marine					
Acute oral toxicity	LD50	>5000 mg/kg	Rat	ATE _{mix} (oral)	N/A
Acute dermal toxicity	LD50	>5000 mg/kg	Rabbit	ATE _{mix} (dermal)	N/A
Acute inhalation toxicity (gas)	LC50	N/A	Rat	Given	N/A
Acute inhalation toxicity (gas/vapour)	LC50	N/A	Rat	N/A	N/A
Acute inhalation toxicity (dust/mist)	LC50	N/A	Rat	N/A	N/A
Proprietary blend of surfactants					
Acute oral toxicity	LD50	>5000 mg/kg	Rat	ATE _{mix} (oral)	N/A
Acute dermal toxicity	LD50	>5000 mg/kg	Rabbit	ATE _{mix} (dermal)	N/A
Acute inhalation toxicity (gas)	LC50	N/A	Rat	Given	N/A
Acute inhalation toxicity (gas/vapour)	LC50	N/A	Rat	N/A	N/A
Acute inhalation toxicity (dust/mist)	LC50	N/A	Rat	N/A	N/A
Hexylene Glycol					
Acute oral toxicity	LD50	>4000 mg/kg	Rat	Given	N/A
Acute dermal toxicity	LD50	7892 mg/kg	Rabbit	Given	N/A
Acute inhalation toxicity (gas)	LC50	N/A	Rat	Given	N/A
Acute inhalation toxicity (gas/vapour)	LC50	N/A	Rat	N/A	N/A
Acute inhalation toxicity (dust/mist)	LC50	N/A	Rat	N/A	N/A
Tetrasodium ethylene diamine tetraacetate					
Acute oral toxicity	LD50	1780 – 2000 mg/kg	Rat	Given	N/A

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Acute dermal toxicity	LD50	>5000 mg/kg	Rabbit	Given	N/A
Acute inhalation toxicity (gas)	LC50	N/A	Rat	Given	N/A
Acute inhalation toxicity (gas/vapour)	LC50	N/A	Rat	N/A	N/A
Acute inhalation toxicity (dust/mist)	LC50	N/A	Rat	N/A	N/A
Triethanolamine					
Acute oral toxicity	LD50	>4190 mg/kg	Rat	Given	N/A
Acute dermal toxicity	LD50	>2000 mg/kg	Rabbit	Given	N/A
Acute inhalation toxicity (gas)	LC50	>20 mg/L	Rat	Given	N/A
Acute inhalation toxicity (gas/vapour)	LC50	N/A	Rat	N/A	N/A
Acute inhalation toxicity (dust/mist)	LC50	N/A	Rat	N/A	N/A

Route of entry : Skin contact. Eye contact. Ingestion. Inhalation.

Other information : No information available.

Skin corrosion/irritation : Causes skin irritation.

Eye damage/irritation : Causes serious eye damage.

Respiratory/skin sensitization : No information available.

Carcinogenicity : No information available.

Mutagenicity : No information available.

Reproductive Toxicity : No information available.

Effects on or via lactation : No information available.

Target organ systemic toxicity following single exposure : No information available.

Target organ systemic toxicity following repeat exposure : No information available.

Aspiration hazard : No information available.

SECTION 12: Ecological information

12.1 Toxicity

Aquatic toxicity : Acute LC50/EC50: 1 – 10 mg/L*.

12.2 Persistence and degradability : Expected to be readily biodegradable.

12.3 Bioaccumulative potential : Not expected to bioaccumulate.

12.4 Mobility in soil : Not available.

12.5 Results of PBT and vPvB assessment : Not available.

12.6 Other adverse effects : None known.

Additional ecological information

Use with good industrial practice, avoiding product dispersion into the environment.

*: If no test data exists, the criteria for mixture classification has to be used (calculation method).

Results were obtained via said calculation method.

SECTION 13: Disposal considerations

13.1 Waste treatment methods : Dispose of contents/container in accordance with local, regional, national, and international regulations. Avoid release to the environment.

13.2 Special precautions : Avoid spilled material and dispersal into soil and drains.

SECTION 14: Transport information

14.1 UN number : None.

14.2 UN proper shipping name : None.

14.3 Transport hazard class(es) : None.

Land Transport (ADR/RID) : None.

Inland waterway transport (ADN) : None.

Sea transport (IMDG) : None.

Air transport (ICAO-TI/IATA-DGR) : None.

14.4 Packing Group : None.

14.5 Environmental hazards : None.

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14.6 Special precautions for user : No known precautions for transport. Avoid freezing product.

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

SECTION 15: Regulatory information

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

EU regulation (EC) No. 453/2010 (REACH)

International Convention for the Prevention of Pollution from Ships, MARPOL 73 in its amended form.

International Maritime Dangerous Goods (Code IMDG) according to chapter VII of the International Convention for the Safety of Life at Sea, 1974.

Authorizations and/or restrictions on use : Not applicable.

Other EU regulations : All components are listed or exempt.

National regulations : Not determined.

15.2 Chemical Safety Assessment : This product contains substances for which Chemical Safety Assessments are still required.

SECTION 16: Other Information

16.1 Abbreviations and acronyms

: ATE = Acute Toxicity Estimate
ADN = European Agreement concerning the International Carriage of Goods by Inland Waterways
ADR = European Agreement concerning the International Carriage of Dangerous Goods by Road
CAS# = Chemical Abstracts Service number
CLP = Classification, labelling and Packaging Regulation [Regulation (EC) No. 1272/2008]
DNEL = Derived No Effect Level
EC = European Community
EC-No. = EINECS and ELINCS Number (see EINECS and ELINCS)
EEC = European Economic Community
EINECS = European Inventory of Existing Commercial Substances
ELINCS = European List of Notified Chemical Substances
EU = European Union
GHS = Globally Harmonized System
IATA = International Air Transportation Association
ICAO-TI = Technical Instructions for the Safe Transport of Dangerous Goods by Air
IMDG = International Maritime Dangerous Goods
LC50 = Lethal Concentration to 50% of a test population
LD50 = Lethal Dose to 50% of a test population (Median Lethal Dose)
N/A = Not available
OECD = Organization for Economic Co-operation and Development
PEL = Permissible Exposure Limit
PNEC = Predicted No Effect Concentration(s)
REACH = Registration, Evaluation, Authorization, and Restriction of Chemicals Regulation (EC) No. 453/2010
RID = Regulations concerning the International Carriage of Dangerous Goods by Rail
SDS = Safety Data Sheet
UN = United Nations
vPvB = Very Persistent and Very Bioaccumulative

16.2 Key literature references and sources

: European Chemicals Agency, Classification Legislation, 2015
OSHA Hazard Communication– Occupational Safety and Health Administration, Hazard Communication: Hazard Classification Guidance for Manufacturers, Importers, and Employers, 2016

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16.3 Classification for mixtures and used evaluation method according to regulation (EC) 1207/2008 [CLP]

Classification	Justification
Skin Irrit. 2, H315	Calculation method
Eye Dam. 1, H318	Calculation method
Acute Aquatic Tox. 2, H401	Calculation method

16.4 Relevant H-, R- phrases (number and full text)

Full text of abbreviated : H315 Causes skin irritation

H statements H318 Causes serious eye damage

H401 Toxic to aquatic life

Full text of classifications : Skin Irrit. 2, H315 Skin Corrosion/Irritation – Category 2

[CLP/GHS] Eye Dam. 1, H318 Eye Damage/Irritation – Category 1

Acute Aquatic Tox. 2, H401 Acute Aquatic Toxicity – Category 2

Training advice : Wear protective gloves and eye/face protection. Avoid release to the environment, if this is not the intended use.

16.5 Indication of changes

Date of printing : 06/14/2021

Date of previous issue : 03/30/2021

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