

our safety data sheet for...

Hand Soap



DELPHIS
*eco PROFESSIONAL CLEANING

1. Identification of the substance/mixture & of the company/undertaking

1.1 Product Identifier

Product Name: Hand Soap
Product Code: HWAR050 (ready-to-use)

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

Use of the Substance/Mixture: Hand cleaner.
Recommended restrictions on use: Use only for intended applications.

1.3 Details of the supplier of the safety data sheet

Company: Delphis Eco, Sustainable Workspaces, 25 Lavington Street, London SE1 0NZ

1.4 Emergency telephone number

Emergency phone number: t. 0203 397 0096 (office hours only) e: sales@delphiseco.com

2. Hazards Identification

2.1 Classification of the substance or mixture

Classification (EC 1272/2008)

Physical hazards: Not Classified.
Health hazards: Not Classified.
Environmental hazards: Not Classified.

2.2 Label elements

Hazard statements: NC Not Classified.
Precautionary statements: P501 Dispose of contents/ container in accordance with national regulations.
Supplemental label information: EUH210 Safety data sheet available on request.

2.3 Other hazards

This product does not contain any substances classified as PBT or vPvB.c

3. Composition/Information on Ingredients

3.2 Mixtures

Ingredient Name	EINECS	CASCLP	Classification	Percent
Alcohols, C12-C14, ethoxylated <2.5EO, sulphates, sodium salts	500-234-8	68891-38-3	Skin Irrit. 2 - H315 Eye Dam. 1 - H318 Aquatic Chronic 3 - H412	1-5%
Amides, C8-18 and C18-unsatd, N,Nbis(hydroxyethyl)	931-329-6	-	Skin Irrit. 2 - H315 Eye Dam. 1 - H318 Aquatic Chronic 2 - H411	<1%
Mixture of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (Mixture of CMIT/MIT)	247-500-7 220-239-6	55965-84-9	Acute Tox. 3 - H301 Acute Tox. 3 - H311 Acute Tox. 3 - H331 Skin Corr. 1C - H314 Eye Dam. 1 - H318 Skin Sens. 1A - H317 Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410	<1%

For the wording of the listed R phrases or H statements, refer to section 16.

4. First Aid Measures

4.1 Description of first aid measures

Eye contact: Avoid contact with eyes, if product gets into eyes, rinse with water.
Skin contact: Not applicable. Product is for use on skin.
Ingestion: Do not drink, if swallowed drinking water may be beneficial, do not induce vomiting.
Inhalation: Avoid inhaling product, move to fresh air if in discomfort.



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4.2 Most important symptoms and effects, both acute and delayed

Inhalation: Coughing, chest tightness, feeling of chest pressure.
Ingestion: Gastrointestinal symptoms, including upset stomach.
Skin contact: Product has a defatting effect on skin. The product contains a sensitising substance.
Eye contact: May cause discomfort.

4.3 Indication of immediate medical attention and special treatment needed

Treatment: Treat symptomatically.

5. Fire Fighting Measures

5.1 Extinguishing Media

Suitable extinguishing media: Use fire-extinguishing media suitable for the surrounding fire.

5.2 Special hazards arising from the substance or mixture

Hazardous combustion products. Thermal decomposition or combustion products may include the following substances: Ammonia or amines. Carbon monoxide (CO). Carbon dioxide (CO₂). Nitrous gases (NO_x). Sulphurous gases (SO_x).

5.3 Advice for fire fighters

Special Fire Fighting Procedures: No specific fire fighting procedure given.

6. Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures

Wear suitable protective equipment, including gloves, goggles/face shield, respirator, boots, clothing or apron, as appropriate. Take care as floors and other surfaces may become slippery. Do not touch or walk into spilled material. Avoid contact with skin, eyes and clothing. Avoid contact with contaminated tools and objects. Do not handle broken packages without protective equipment. Wash thoroughly after dealing with a spillage.

6.2 Environmental precautions

Do not discharge onto the ground or into water courses.

6.3 Methods and materials for containment and cleaning up

Wear suitable protective equipment, including gloves, goggles/face shield, respirator, boots, clothing or apron, as appropriate. Absorb spillage with inert, damp, non-combustible material. Collect and place in suitable waste disposal containers and seal securely. Containers with collected spillage must be properly labelled with correct contents and hazard symbol. Flush contaminated area with plenty of water. Wash thoroughly after dealing with a spillage.

6.4 Reference to other sections

For personal protection, see Section 8.

7. Handling and Storage

7.1 Precautions for safe handling

Avoid contact with eyes. Avoid contact with contaminated tools and objects. Do not reuse empty containers. Do not empty into drains. Do not eat, drink or smoke when using this product. Do not handle broken packages without protective equipment.

7.2 Conditions for safe storage, including any incompatibilities

Store in closed original container at temperatures between 4°C and 40°C.
Storage class: Chemical storage.

7.3 Specific end uses

The identified uses for this product are detailed in Section 1.2

8. Exposure Controls/Personal Protection

8.1 Control parameters

Alcohols, C12-C14 (even numbered), ethoxylated<2.5EO, sulphates, sodium salts (CAS: 68891-38-3)
DNEL

Industry - Dermal:	Long term systemic effects: 2750 mg/kg/day
Industry - Inhalation:	Long term systemic effects: 175 mg/m ³
Consumer - Oral:	Long term systemic effects: 15 mg/kg/day
Consumer - Dermal:	Long term systemic effects: 1650 mg/kg/day
Consumer - Inhalation:	Long term systemic effects: 52 mg/m ³



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PNEC

Fresh water; 0.24 mg/l
Marine water; 0.024 mg/l
Intermittent release; 0.071 mg/l
Sediment (Freshwater); 5.45 mg/kg
Sediment (Marinewater); 0.545 mg/kg
Soil; 0.946 mg/kg
STP; 10000 mg/l

Amides, C8-18 (even numbers) and C18-unsatd, N,N-bis(hydroxyethyl)
DNEL

Industry - Dermal: Long term systemic effects: 4.16 mg/kg/day
Industry - Inhalation: Long term systemic effects: 73.4 mg/m³
Consumer - Dermal: Long term systemic effects: 2.5 mg/kg/day
Consumer - Inhalation: Long term systemic effects: 21.73 mg/m³
Consumer - Oral: Long term systemic effects: 6.25 mg/kg/day

PNEC

Fresh water; 0.007 mg/l
Marine water; 0.0007 mg/l
Intermittent release; 0.0024 mg/l
STP; 830 mg/l
Soil; 0.0348 mg/l
Sediment (Freshwater); 0.195 mg/kg
Sediment (Marinewater); 0.0195 mg/kg

8.2 Exposure controls

Other skin and body protection: No specific requirements are anticipated under normal conditions of use.
Hygiene measures: Good personal hygiene procedures should be implemented.

9. Physical and Chemical Properties

9.1 Information on basic physical and chemical properties

Appearance: Viscous liquid
Colour: Clear
Odour: Perfume
Relative Density: 1.03 @25°C
pH-Value, Conc. Solution: 5.7
Viscosity: 1500 cP @25°C

9.2 Other Information

Not determined.

10. Stability and Reactivity

10.1 Reactivity

There are no known reactivity hazards associated with this product.

10.2 Chemical Stability

Stable under normal temperature conditions and recommended use.

10.3 Possibility of hazardous reactions

Not determined.

10.4 Conditions to Avoid

No specific conditions are likely to result in a hazardous situation.

10.5 Incompatible materials

Materials To Avoid: No specific, or groups of materials are likely to react to produce a hazardous situation.

10.6 Hazardous decomposition products

Thermal decomposition or combustion products may include the following substances: Ammonia or amines. Carbon monoxide (CO). Carbon dioxide (CO₂). Nitrous gases (NO_x). Sulphurous gases (SO_x).



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11. Toxicological Information

11.1 Information on toxicological effects

Acute toxicity - oral Notes (oral LD): Based on available data the classification criteria are not met.
 Acute toxicity - dermal Notes (dermal LD): Based on available data the classification criteria are not met.
 Acute toxicity - inhalation Notes (inhalation LC): Based on available data the classification criteria are not met.
 Skin corrosion/irritation: Based on available data the classification criteria are not met.
 Serious eye damage/irritation: Based on available data the classification criteria are not met.
 Respiratory sensitisation: Based on available data the classification criteria are not met.
 Skin sensitisation: Based on available data the classification criteria are not met.
 Germ cell mutagenicity Genotoxicity - in vitro: Does not contain any substances known to be mutagenic.
 Carcinogenicity: Does not contain any substances known to be carcinogenic.
 Reproductive toxicity - fertility: Does not contain any substances known to be toxic to reproduction.
 Specific target organ toxicity - single exposure STOT - single exposure: Based on available data the classification criteria are not met.
 Specific target organ toxicity - repeated exposure STOT - repeated exposure: Based on available data the classification criteria are not met.
 Aspiration hazard: Not anticipated to present an aspiration hazard, based on chemical structure.

Inhalation: Coughing, chest tightness, feeling of chest pressure.
 Ingestion: Gastrointestinal symptoms, including upset stomach.
 Skin contact: Product has a defatting effect on skin. The product contains a sensitising substance.
 Eye contact: May cause discomfort.

Toxicological information on ingredients:

Alcohols, C12-C14 (even numbered), ethoxylated<2.5EO, sulphates, sodium salts:

Acute toxicity - oral	
Acute toxicity oral (LDmg/kg)	4,100.0
Species	Rat
Notes (oral LD ₅₀)	
ATE oral (mg/kg)	4,100.0
Acute toxicity - dermal	
Acute toxicity dermal (LDmg/kg)	2,001.0
Species	Rat
ATE dermal (mg/kg)	2,001.0

Amides, C8-18 (even numbers) and C18-unsatd, N,N-bis(hydroxyethyl)

Acute toxicity - oral	
Acute toxicity oral (LDmg/kg)	5,000.0
Species	Rat
ATE oral (mg/kg)	5,000.0
Acute toxicity - dermal	
Acute toxicity dermal (LDmg/kg)	2,000.1
Species	Rat
ATE dermal (mg/kg)	2,000.1

Mixture of 5-chloro-2-methyl-2H- isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (Mixture of CMIT/MIT)

Acute toxicity - oral	
Acute toxicity oral (LDmg/kg)	53.0
Species	Rat
Notes (oral LD)	Estimated value
ATE oral (mg/kg)	53.0
Acute toxicity - dermal	
ATE dermal (mg/kg)	300.0
Acute toxicity - inhalation	
ATE inhalation (vapours mg/l)	3.0

Skin sensitisation Guinea pig maximization test (GPMT) - Guinea pig: Sensitising.

12. Ecological Information

12.1 Toxicity

Alcohols, C12-C14 (even numbered), ethoxylated<2.5EO, sulphates, sodium salts

Acute aquatic toxicity	
Acute toxicity - fish	LC50, 96 hours: 7.1 mg/l, Brachydanio rerio (Zebra Fish)
Acute toxicity - aquatic invertebrates	EC ₅₀ , 48 hours: 7.4 mg/l, Daphnia magna NOEC, 48 hours: 0.27 mg/l, Daphnia magna
Acute toxicity - aquatic plants	EC ₅₀ , 72 hours: 27 mg/l, Scenedesmus subspicatus



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Amides, C8-18 (even numbers) and C18-unsatd, N,N-bis(hydroxyethyl)
Acute toxicity - fish LC₅₀, 96 hours: 2.4 mg/l, Fish
Acute toxicity - aquatic invertebrates EC₅₀, 48 hours: 3.2 mg/l, Daphnia magna
Acute toxicity - aquatic plants EC₅₀, 72 hours: 18.6 mg/l, Freshwater algae
Chronic toxicity - fish early life stage NOEC, 28 days: 0.32 mg/l,
Chronic toxicity - aquatic invertebrates NOEC, 21 days: 0.07 mg/l, Daphnia magna

Mixture of 5-chloro-2-methyl-2H- isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (Mixture of CMIT/MIT)
LE(C)₅₀ 0.001 < L(E)C50 ≤ 0.01
M factor (Acute) 100
Acute toxicity - fish Estimated value.
LC₅₀, 96 hours: 13 mg/l, Fish
NOEC 0.0001 < NOEC ≤ 0.001
Degradability Non-rapidly degradable
M factor (Chronic) 100

12.2 Persistence and Degradability

Degradability: The product is expected to be biodegradable.

12.3 Bio-accumulative potential

Bioaccumulative potential: The product does not contain any substances expected to be bioaccumulating.

12.4 Mobility in soil

Mobility: The product is soluble in water.

12.5 Results of PBT and vPvB assessment

Not Classified as PBT/vPvB by current EU criteria.

12.6 Other adverse effects

Not determined.

13. Disposal Recommendations

13.1 Waste treatment methods

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

14. Transport Information

14.1 UN number

Not applicable.

14.2 UN proper shipping name

Not applicable.

14.3 Transport hazard class(es)

No transport warning sign required.

14.4 Packing group

Not applicable.

14.5 Environmental hazards

Environmentally Hazardous Substance/Marine Pollutant: No.

14.6 Special precautions for user

Not applicable.

14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Not applicable.

15. Regulatory Information

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

National regulations: Control of Substances Hazardous to Health Regulations 2002 (as amended).

EU legislation: Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (as amended). Regulation (EC) No 1272/2008 of the European



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Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as amended).
Commission Regulation (EU) No 2015/830 of 28 May 2015.
Guidance: Workplace Exposure Limits EH40.

16. Other Information

Abbreviations and acronyms used in the safety data sheet:

ATE: Acute Toxicity Estimate.
ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.
CAS: Chemical Abstracts Service.
DNEL: Derived No Effect Level.
EC₅₀: 50% of maximal Effective Concentration.
IATA: International Air Transport Association.
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).
NOEC: No Observed Effect Concentration.
PBT: Persistent, Bioaccumulative and Toxic substance.
PNEC: Predicted No Effect Concentration.
REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006.
UN: United Nations.
vPvB: Very Persistent and Very Bioaccumulative.

Classification abbreviations and acronyms

Acute Tox. = Acute toxicity
Aquatic Acute = Hazardous to the aquatic environment (acute)
Aquatic Chronic = Hazardous to the aquatic environment (chronic)
Eye Dam. = Serious eye damage
Skin Corr. = Skin corrosion
Skin Irrit. = Skin irritation
Skin Sens. = Skin sensitisation
Revision comments NOTE: Lines within the margin indicate significant changes from the previous revision.

Hazard statements in full:

H301 Toxic if swallowed.
H311 Toxic in contact with skin.
H314 Causes severe skin burns and eye damage.
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H318 Causes serious eye damage.
H331 Toxic if inhaled.
H400 Very toxic to aquatic life.
H410 Very toxic to aquatic life with long lasting effects.
H411 Toxic to aquatic life with long lasting effects.
H412 Harmful to aquatic life with long lasting effects.

Training Advice: Normal use of this product shall imply use in accordance with the instructions on the packaging. Users should be trained in good industrial hygiene practise. This data sheet does not constitute an assessment of the workplace risks as required under the provisions of the Health & Safety at Work act and the Control of Substances Hazardous to Health (COSHH). Do not mix with other chemicals.

Date: 14.05.20

Legal Disclaimer: The information supplied above is based upon the present state of our knowledge of the product at the time of publication. It is given in good faith and no warranty is implied with respect to the specification or quality of the product. The user must satisfy himself that the product is entirely suitable for his purpose.

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