
MATERIAL SAFETY DATA SHEET

SECTION 1: IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier:

Agrosurf[®] WP85

Product name Agrosurf WP85
EC number 270-115-0
CAS number 68411-30-3
Product description Surfactant

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

Product use: Surfactant

1.3 Details of the supplier of the safety data sheet

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1.4 Emergency telephone number

Day 0161 343 3355 Night 07932 007892

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

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

Eye Dam. 1, H318; Acute toxicity 4(oral), H302; Skin Irritation 2, H315

Classification according to Directive 67/548/EEC [DSD]

Xi; R41; R22; R38

2.2 Label elements

Hazard pictograms



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Signal word: Danger
Hazard statements: Causes serious eye damage



Signal word: Warning
Hazard statements: Harmful if swallowed. Causes skin irritation

Precautionary statements

Prevention: Wear eye or face protection. Wear protective clothing. Do not eat, drink or smoke when using this product. Wash with plenty of water and soap thoroughly after handling.

Response: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTRE or physician. IF SWALLOWED: rinse mouth. Call a POISON CENTRE or physician if you feel unwell. IF ON SKIN: Wash with plenty of soap and water. If skin irritation occurs: get medical advice/attention. Take off contaminated clothing and wash before re-use.

Storage: Not applicable

Disposal: Not applicable

Supplemental label elements: Not applicable

Special packaging requirements

Containers to be fitted with child resistant fastenings: Not applicable

Tactile warning of danger: Not applicable

2.3 Other hazards**Substance meets the criteria for PBT according to Regulation (EC) No. 1907/2006 Annex XIII**

PBT: No

P: No

B: No

T: No

Substance meets the criteria for vPvB according to Regulation (EC) No. 1907/2006 Annex XIII

vPvB: No

vP: No

vB: No

Other hazards which do not result in classification

Not available

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SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS**3.1 Substances**

Composition	: Alkyl benzenesulphonic acid, sodium salt
CAS No	: 68411-30-3
EC	: 270-115-0
Concentration	: 75-90%
Classification:	(EC) 1272/2008 [CLP/GHS] : Eye Dam. 1, H318; Acute toxicity 4(oral), H302; Skin irritation 2, H315
	67/548/EEC: Xi; R41; R22; R38

There are no additional ingredients present which, within the current knowledge of the supplier, are classified and contribute to the classification of the substance and hence require reporting in this section.

SECTION 4: FIRST AID MEASURES**4.1 Description of first aid measures**

Inhalation:	Get medical attention immediately. Call a poison centre or physician. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.
Skin:	Get medical attention immediately. Call a poison centre or physician. Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 10 minutes. Chemical burns must be treated promptly by a physician. Wash clothing before reuse. Clean shoes thoroughly before reuse.
Eyes:	Get medical attention immediately. Call a poison centre or physician. Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Chemical burns must be treated promptly by a physician.
Ingestion:	Get medical attention immediately. Call a poison centre or physician. Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Chemical burns must be treated promptly by a physician. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

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Protection of first –aiders:

No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

4.2. Most important symptoms and effects, both acute and delayed

Potential acute health effects

Eye contact: Causes serious eye damage
Inhalation: May give off gas, vapour or dust that is very irritating or corrosive to the respiratory system
Skin contact: Causes skin irritation
Ingestion: Harmful if swallowed. May cause burns to mouth, throat and stomach

Over-exposure signs/symptoms

Eye contact: Adverse symptoms may include pain, watering, redness
Inhalation: Adverse symptoms may include throat irritation
Skin contact: Adverse symptoms may include pain, irritation, redness
Ingestion: Adverse symptoms may include stomach pains

4.3 Indication of any immediate medical attention and special treatment needed

Notes to physician: Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

Specific treatments: Symptomatic treatment and supportive therapy as indicated. Following severe exposure the patient should be kept under medical review for at least 48 hours.

SECTION 5: FIRE-FIGHTING MEASURES
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5.1 Extinguishing media

Suitable extinguishing media: Use dry chemical powder

Unsuitable extinguishing media: Do not use water jet

5.2 Special hazards arising from the substance or mixture

Hazards from the substance or mixture: In a fire or if heated, a pressure increase will occur and the container may burst. In combustion emits toxic fumes. Fine dust clouds may form explosive mixtures with air.

Hazardous thermal decomposition products: Decomposition products may include carbon oxides, sulphur oxides and metal oxides

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5.3 Advice for fire-fighters

Special precautions for fire-fighters: Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any 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.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

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. Do not touch or walk through spilt material. Do not breathe vapour or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

For emergency responders: If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

6.2 Environmental precautions: Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

6.3 Methods and materials for containment and cleaning up:

Small spill: Stop leak if without risk. Move containers from spill area. Vacuum or sweep up material and place in an appropriate, labelled waste disposal container. Dispose of via a licensed waste disposal contractor.

Large spill: Stop leak if without risk. Move containers from spill area. Approach the release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Vacuum or sweep up material and place in an appropriate labelled container for disposal according to local regulations (see section 13). Dispose of via a licensed waste disposal contractor. Avoid creating dusty conditions and prevent wind dispersal. Contaminated absorbent material may pose the same hazard as the spilt product. Note: see section 1 for emergency contact information and section 13 for waste disposal.

6.4 Reference to other sections

See Section 1 for emergency contact information.
See Section 8 for information on appropriate personal protective equipment.
See Section 13 for additional waste treatment information.

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SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

Protective measures: Put on appropriate protective equipment (see section 8). Do not breathe dust. DO NOT ingest. If during normal use the material presents a respiratory hazard, use only with adequate ventilation or wear appropriate respirator. Keep in original container or an approved alternative made from compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Only launder packaging using an approved packaging recycler.

Advice on general occupational hygiene: Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also section 8 for additional advice on hygiene measures.

7.2 Conditions for safe storage, including any incompatibilities:

Store between 5 to 40°C (41 to 104°F). Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool well ventilated area, away from incompatible materials (see section 10) and food and drink. Store locked up. Always keep container tightly closed and sealed. Containers that have been opened must be tightly resealed and held in an upright position. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination.

7.3 Specific end use(s): Industrial applications:

This product has been designed to operate as a surfactant and may offer one or more of the following properties: wetting, foaming, emulsification, dispersing and detergency.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Occupational exposure limits: No exposure limit value known

Recommended monitoring procedures: If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. 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 DELs available

Predicted effect concentrations No PECs available

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8.2 Exposure Controls

Appropriate engineering controls: If user operations generate dust, fumes, gas, vapour or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.

Occupational exposure controls: No special ventilation requirements. Good general ventilation should be sufficient to control worker exposure to airborne contaminants. If this product contains ingredients with exposure limits, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure below any recommended or statutory limits.

Individual protection measures

Eye protection: Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to mists or dusts.

Hand protection: Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.

Use gloves approved to relevant standards e.g. EN 374 (Europe), F739 (US). Suitability and durability of a glove is dependent on usage, e.g. frequency and duration of contact, chemical resistance of glove material and dexterity. Always seek advice from glove suppliers.

Body protection: 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.

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

Respiratory protection: Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

Environmental exposure controls: Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES
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9.1 Information on basic physical and chemical properties

Appearance:	Off-white powder
Odour:	Odourless
Odour threshold:	Not available
pH:	9-11 (1% aqueous)
Melting point:	Not applicable
Initial Boiling point and boiling range:	Not available
Flash point:	Not available
Evaporation rate:	Not available
Flammability (solid/gas):	Not available
Upper/lower flammability or explosive limits:	Not available
Vapour pressure:	Not available
Vapour density:	Not available
Relative density:	0.4g/cm ³ at 20°C
Solubility:	soluble in water
Partition coefficient n-octanol/water:	Not available
Auto-ignition temperature:	Not available
Decomposition temperature:	Not available
Viscosity:	Not available
Explosive properties:	Not available
Oxidising properties:	Not available

9.2 Other information

No specific data

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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 if stored and handled as prescribed/indicated.

10.3 Possibility of hazardous reactions:

Under normal conditions of storage and use, hazardous reactions will not occur.

10.4 Conditions to avoid: Avoid the creation of dust when handling and avoid sources of ignition. Take precautionary measures against electrostatic discharges. To avoid fire or explosion, dissipate static electricity during transfer by earthing and bonding containers and equipment before transferring material. Prevent dust accumulation.

10.5 Incompatible materials: Oxidizing agents

10.6 Hazardous decomposition products:

Under normal conditions of storage and use, hazardous decomposition products should not be produced. Decomposition products include carbon oxides and sulphur dioxide. In combustion emits toxic fumes.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity

Alkyl benzene sulphonic acid, sodium salt:

Analysis: LD50 Oral
Species: Rat
Dose: 1080mg/kg

Analysis: LD50 Dermal
Species: Rabbit
Dose: >2000mg/kg

Please note Lankem do not carry out test on animals – this data is in the public domain

Skin corrosion/irritation: Irritant

Respiratory or skin sensitisation : Not sensitising

Germ cell mutagenicity:

Alkyl benzenesulphonic acid, sodium salt :

Analysis: OECD 476 In vitro Mammalian Cell Gene Mutation Test
Result: Negative
Analysis: OECD 474 Mammalian Erythrocyte Micronucleus Test
Result: Negative

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Carcinogenicity:

Alkyl benzenesulphonic acid, sodium salt :

Species: Rat (oral)
Exposure: 2 years
Result: Negative

Reproductive toxicity:

Alkyl benzenesulphonic acid, sodium salt :

Species: Rat
Result/Result type: Oral: 350mg/kg NOAEL

Teratogenicity:

Alkyl benzenesulphonic acid, sodium salt :

Species: Rat-female
Result/Result type: 600mg/kg NOAEL

Specific target organ toxicity (single exposure)
Specific target organ toxicity (repeated exposure)
Aspiration hazard } **Not available**

Information on the likely routes of exposure and health effects:

Inhalation: May give off gas, vapour or dust that is very irritating or corrosive to the respiratory system.
Ingestion: Harmful if swallowed. Irritating to mouth, throat and stomach
Skin contact: Causes skin irritation
Eye contact: Causes serious eye damage

Symptoms related to the physical, chemical and toxicological characteristics

Inhalation: Adverse symptoms may include irritation of the throat
Ingestion: Adverse symptoms may include stomach pains
Skin contact: Adverse symptoms may include pain, irritation, redness
Eye contact: Adverse symptoms may include pain, watering, redness

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

Not available

Information on acute and chronic health effects

General
Carcinogenicity
Mutagenicity
Teratogenicity
Developmental effects
Fertility effects } No known significant effects or critical hazards

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SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity

Alkyl benzenesulphonic acid, sodium salt :

Species:	Daphnia	Algae	Bacteria	Fish
Endpoint:	Acute EC50	Acute EC50	Acute EC50	Acute LC50
Exposure:	48 hours static	96 hours static	3 hours	96 hours static
Result:	2.9 mg/L	29mg/L	550mg/L	1.67mg/L

12.2 Persistence and degradability:

This product is readily biodegradable

12.3 Bioaccumulative potential:

LogPow -	3.32
BCF -	9 to 116
Potential -	low

12.4 Mobility in soil: soil/water partition coefficient and mobility information not available

12.5 Results of PBT and vPvB assessment:

Not applicable

12.6 Other adverse effects: No known significant effects or critical hazards

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Method of disposal: The generation of waste should be avoided or minimised wherever possible. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. 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.

Hazardous waste: Yes

European waste Catalogue: The relevant EU Directives and local, regional and national regulations must be complied with. It is among the tasks of the end user to assign the waste to waste codes specific to industrial sectors and processes according to the European Waste catalogue. It is recommended that the details be agreed with the waste disposer responsible.

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.

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Special precautions: This material 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 spilt material and runoff and contact with soil, waterways, drains and sewers.

SECTION 14: TRANSPORT INFORMATION

The following apply to the three transport modes (ADR/RID, IMDG, IATA):

14.1 UN Number:	Not regulated
14.2 UN proper shipping name:	Not applicable
14.3 Transport hazard class:	Not applicable
14.4 Packing group:	Not applicable
14.5 Environmental hazards:	None
14.6 Special precautions for user:	Not available
14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC code:	Not applicable

For ADN/ADNR transport mode the following applies:

14.1 UN Number:	9005
14.2 UN proper shipping name:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Benzene sulphonic acid, mono-C10-13-alkyl derives., sodium salts)
14.3 Transport hazard class:	9
14.4 Packing group:	III
14.5 Environmental hazards:	Yes
Additional information:	Classification applicable to tank vessels only

SECTION 15: REGULATORY INFORMATION

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

**EU Regulation (EC) No. 1907/2006 (REACH)
Annex XIV – List of substances subject to authorisation
Substances of very high concern**

None of the components are listed

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Annex XVII – Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles

Not applicable

Other EU regulations

Europe inventory:	All components are listed or exempted
Black List chemicals:	Not listed
Priority List chemicals:	Not listed
Integrated pollution prevention and control list (IPPC) – Air:	Not listed
Integrated pollution prevention and control list (IPPC) – Water:	Not listed

National Regulations

References: The provision of Safety Data Sheets comes under Regulation 6 of CHIP (CHIP is the recognised abbreviation for the Chemicals Hazard Information and Packaging Regulations). This is an addition to the Health and Safety at Work Act 1974.

International regulations

Chemical Weapons Convention List Schedule I Chemicals:	Not listed
Chemical Weapons Convention List Schedule II Chemicals:	Not listed
Chemical Weapons Convention List Schedule III Chemicals:	Not listed

15.2 Chemical safety Assessment: Not yet completed

SECTION 16: OTHER INFORMATION

Version 1

Date of Issue: February 2013

This MSDS has been prepared according to REACH regulations ANNEX II

This information only concerns the above-mentioned product as supplied and may not be valid if used with other product(s) or in any process. It remains the user's own responsibility to make sure that the information is appropriate and complete for his special use of this product.