

### 1. IDENTIFICATION

<b>Product Name</b>	<b>AEROSOL OT-100% SURFACTANT</b>
<b>Other Names</b>	Sodium dioctyl sulfosuccinate
<b>Uses</b>	Surfactant.
<b>Chemical Family</b>	No Data Available
<b>Chemical Formula</b>	Unspecified
<b>Chemical Name</b>	Sodium bis(2-ethylhexyl)sulfosuccinate
<b>Product Description</b>	No Data Available

#### Contact Details of the Supplier of this Safety Data Sheet

Organisation	Location	Telephone
Redox Ltd	2 Swettenham Road Minto NSW 2566 Australia	+61-2-97333000
Redox Ltd	11 Mayo Road Wiri Auckland 2104 New Zealand	+64-9-2506222
Redox Inc.	3960 Paramount Boulevard Suite 107 Lakewood CA 90712 USA	+1-424-675-3200
Redox Chemicals Sdn Bhd	Level 2, No. 8, Jalan Sapir 33/7 Seksyen 33, Shah Alam Premier Industrial Park 40400 Shah Alam Sengalor, Malaysia	+60-3-5614-2111

#### Emergency Contact Details

*For emergencies only; DO NOT contact these companies for general product advice.*


Organisation	Location	Telephone
Poisons Information Centre	Westmead NSW	1800-251525 131126
Chemcall	Australia	1800-127406 +64-4-9179888
Chemcall	Malaysia	+64-4-9179888
Chemcall	New Zealand	0800-243622 +64-4-9179888
National Poisons Centre	New Zealand	0800-764766
CHEMTREC	USA & Canada	1-800-424-9300 CN723420 +1-703-527-3887

### 2. HAZARD IDENTIFICATION

**Poisons Schedule (Aust)**

Not Scheduled

## Globally Harmonised System

<b>Hazard Classification</b>	Hazardous according to the criteria of the Globally Harmonised System of Classification and Labelling of Chemicals (GHS)		
<b>Hazard Categories</b>	Skin Corrosion/Irritation - Category 2 Serious Eye Damage/Irritation - Category 1		
<b>Pictograms</b>			
<b>Signal Word</b>	Danger		
<b>Hazard Statements</b>	<b>H315</b>	Causes skin irritation.	
	<b>H318</b>	Causes serious eye damage.	
<b>Precautionary Statements</b>	Prevention	<b>P280</b>	Wear protective gloves/eye protection/face protection.
	Response	<b>P302 + P352</b>	IF ON SKIN: Wash with plenty of water.
		<b>P332 + P313</b>	If skin irritation occurs: Get medical attention.
		<b>P305 + P351 + P338 + P310</b>	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/doctor.
		<b>P362 + P364</b>	Take off contaminated clothing and wash it before reuse.

## National Transport Commission (Australia)

Australian Code for the Transport of Dangerous Goods by Road &amp; Rail (ADG Code)

<b>Dangerous Goods Classification</b>	NOT Dangerous Goods according to the criteria of the Australian Code for the Transport of Dangerous Goods by Road & Rail (ADG Code)
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## Safe Work Australia

National Guide for Classifying Hazardous Chemicals under the Model WHS Regulations

<b>Hazard Classification</b>	Hazardous according to the criteria of Safe Work Australia under Model WHS Regulations
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## 3. COMPOSITION/INFORMATION ON INGREDIENTS

## Ingredients

Chemical Entity	Formula	CAS Number	Proportion
Sodium bis(2-ethylhexyl)sulfosuccinate	C20H38O7S.Na	577-11-7	>=95 - <99 %
Moisture	H2O	7732-18-5	<=2 %

## 4. FIRST AID MEASURES

## Description of necessary measures according to routes of exposure

# SAFETY DATA SHEET AEROSOL OT-100% SURFACTANT REVISION 4, DATE 09 MAY 19

<b>Swallowed</b>	IF SWALLOWED: Rinse mouth. Do not give anything to drink. Do not induce vomiting. Get immediate medical attention. Never give anything by mouth to an unconscious person.
<b>Eye</b>	IF IN EYES: Immediately flush eyes with running water for several minutes, holding eyelids open and occasionally lifting the upper and lower lids. Remove contact lenses if present and easy to do. Continue rinsing for at least 15 minutes. Immediately call a Poison Centre or doctor/physician for advice. Consult with an ophthalmologist immediately in all cases.
<b>Skin</b>	IF ON SKIN: Remove and isolate contaminated clothing and shoes. Immediately flush skin with running water for at least 15 minutes. If skin irritation occurs, get medical advice/attention. Wash contaminated clothing and shoes before reuse.
<b>Inhaled</b>	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. If respiratory symptoms persist, get medical attention.
<b>Advice to Doctor</b>	Treat symptomatically. Take victim immediately to hospital. Immediate medical attention is required. Keep under medical supervision for at least 48 hours. *Most important symptoms and effects, both acute and delayed: If ingested, severe burns of the mouth and throat, as well as a danger of perforation of the oesophagus and the stomach. Ingestion may provoke nausea, diarrhoea, abdominal pain. In case of inhalation, irritation/corrosion of the respiratory tract; Risk of respiratory disorder. Inhalation may provoke cough, breathing difficulties. May cause irreversible skin damage; Dermatitis. May cause irreversible eye damage; Loss of the eye. Eye contact may provoke lachrymation, conjunctivitis.
<b>Medical Conditions Aggravated by Exposure</b>	No information available.

## 5. FIRE FIGHTING MEASURES

<b>General Measures</b>	If safe to do so, move undamaged containers from fire area. Cool containers with water spray until well after fire is out.
<b>Flammability Conditions</b>	Product is not flammable; Will burn under fire conditions.
<b>Extinguishing Media</b>	Use dry chemical, Carbon dioxide (CO <sub>2</sub> ), foam or water spray for extinction - Do not use high volume water jet. *Do not use a solid water stream as it may scatter and spread fire.
<b>Fire and Explosion Hazard</b>	On combustion, toxic gases are released.
<b>Hazardous Products of Combustion</b>	Fire may produce irritating and/or toxic gases, including Carbon monoxide, Carbon dioxide, Sulfur oxides.
<b>Special Fire Fighting Instructions</b>	Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.
<b>Personal Protective Equipment</b>	Wear positive pressure self-contained breathing apparatus (SCBA). Structural firefighters' protective clothing will only provide limited protection.
<b>Flash Point</b>	No Data Available
<b>Lower Explosion Limit</b>	No Data Available
<b>Upper Explosion Limit</b>	No Data Available
<b>Auto Ignition Temperature</b>	>180 °C
<b>Hazchem Code</b>	No Data Available

## 6. ACCIDENTAL RELEASE MEASURES

<b>General Response Procedure</b>	Ensure adequate ventilation. ELIMINATE all ignition sources (if dust clouds can occur). Do not touch or walk through spilled material. Avoid dust formation. Avoid breathing dust/mist/vapour/aerosols and contact with eyes, skin and clothing.
<b>Clean Up Procedures</b>	Sweep up and shovel into suitable, properly labelled containers for disposal (see SECTION 13). *Never return spills in original containers for re-use.
<b>Containment</b>	Stop leak if you can do it without risk. Dike far ahead of liquid spill for later disposal. Cover powder spill with plastic sheet or tarp to minimize spreading.
<b>Decontamination</b>	After cleaning, flush away traces with water. Recover the cleaning water for subsequent disposal. Decontaminate tools, equipment and personal protective equipment in a segregated area. Do not let product enter drains. Do not allow uncontrolled discharge of product into the environment.

**Environmental Precautionary Measures****Evacuation Criteria** Spill or leak area should be isolated immediately. Keep unauthorised personnel away.**Personal Precautionary Measures** Use appropriate personal protective equipment (see SECTION 8).  
\*Where exposure level is not known, wear approved, positive pressure, self-contained respirator. Where exposure level is known, wear approved respirator suitable for level of exposure.**7. HANDLING AND STORAGE****Handling** Safety showers and eyewash facilities should be provided within the immediate work area for emergency use. Ensure adequate ventilation. Handle in accordance with good industrial hygiene and safety practice. Avoid dust formation. Avoid breathing dust/mist/vapour/aerosols and contact with eyes, skin and clothing. Do not ingest. Use appropriate personal protective equipment (see SECTION 8). Avoid release to the environment.**Storage** Store in a cool, dry and well-ventilated place, out of direct sunlight. Keep container tightly closed. Keep away from heat and sources of ignition - No smoking. Keep away from incompatible materials (see SECTION 10).  
\*Recommended storage temperature: 20 °C**Container** Keep in the original container.**8. EXPOSURE CONTROLS / PERSONAL PROTECTION****General** Contains no substances with occupational exposure limit values above their regulatory reporting threshold.**Exposure Limits** No Data Available**Biological Limits** No information available.**Engineering Measures** Provide appropriate exhaust ventilation at places where dust is formed. Apply technical measures to comply with the occupational exposure limits. Where this material is not used in a closed system, good enclosure and local exhaust ventilation should be provided to control exposure.**Personal Protection Equipment**  
- Respiratory protection: For operations where inhalation exposure can occur, use an approved respirator. Where inhalation exposure cannot occur, no respiratory protection is required. Recommended: Respirator with a full face mask, P2 filter; Self-contained breathing apparatus in confined spaces/insufficient oxygen/in case of large uncontrolled emissions/in all circumstances when the mask and cartridge do not give adequate protection. Use only respiratory protection that conforms to international/national standards (refer to AS/NZS 1715 & 1716).  
- Eye/face protection: Wear appropriate eye protection to prevent eye contact. Recommended: Tightly fitting safety goggles and/or face shield.  
- Hand protection: Wear protective gloves. Recommended: Impervious gloves, e.g. Nitrile or fluorinated rubber gloves. Replace gloves immediately when torn or any change in appearance (dimension, colour, flexibility, etc.) is noticed.  
- Skin/body protection: Wear appropriate personal protective clothing to avoid skin contact. Recommended: Dust impervious protective suit.**Special Hazards Precautions** No information available.**Work Hygienic Practices** When using do not eat, drink or smoke. Food, beverages and tobacco products should not be carried, stored or consumed where this material is in use. Before eating, drinking, or smoking, wash face and hands thoroughly with soap and water. Take off contaminated clothing and wash it before reuse. Change working clothes after each work-shift. Contaminated work clothing should not be allowed out of the workplace.**9. PHYSICAL AND CHEMICAL PROPERTIES****Physical State** Solid**Appearance** Roll - thin, wax-like sheets**Odour** Faint, n-Octanol

<b>Colour</b>	White
<b>pH</b>	No Data Available
<b>Vapour Pressure</b>	Negligible (@ No Data Available)
<b>Relative Vapour Density</b>	No Data Available
<b>Boiling Point</b>	No Data Available
<b>Melting Point</b>	153 - 157 °C
<b>Freezing Point</b>	No Data Available
<b>Solubility</b>	8.17 g/l in water 0°C
<b>Specific Gravity</b>	1.1
<b>Flash Point</b>	No Data Available
<b>Auto Ignition Temp</b>	>180 °C
<b>Evaporation Rate</b>	No Data Available
<b>Bulk Density</b>	No Data Available
<b>Corrosion Rate</b>	No Data Available
<b>Decomposition Temperature</b>	No Data Available
<b>Density</b>	1.146 g/cm <sup>3</sup> [OECD Test Guideline 109]
<b>Specific Heat</b>	No Data Available
<b>Molecular Weight</b>	444 g/mol
<b>Net Propellant Weight</b>	No Data Available
<b>Octanol Water Coefficient</b>	log Pow: 1.998 (20 °C) [EU Test Guideline A8]
<b>Particle Size</b>	No Data Available
<b>Partition Coefficient</b>	No Data Available
<b>Saturated Vapour Concentration</b>	No Data Available
<b>Vapour Temperature</b>	No Data Available
<b>Viscosity</b>	No Data Available
<b>Volatile Percent</b>	Negligible
<b>VOC Volume</b>	<1 %
<b>Additional Characteristics</b>	No information available.
<b>Potential for Dust Explosion</b>	No information available.
<b>Fast or Intensely Burning Characteristics</b>	No information available.
<b>Flame Propagation or Burning Rate of Solid Materials</b>	No information available.
<b>Non-Flammables That Could Contribute Unusual Hazards to a Fire</b>	No information available.
<b>Properties That May Initiate or Contribute to Fire Intensity</b>	Product is not flammable; Will burn under fire conditions.
<b>Reactions That Release Gases or Vapours</b>	On combustion/decomposition, toxic gases are released, including Carbon dioxide (CO <sub>2</sub> ), Sulphur oxides, Carbon monoxide.
<b>Release of Invisible Flammable Vapours and Gases</b>	No information available.

## 10. STABILITY AND REACTIVITY

<b>General Information</b>	Corrodes steel in the presence of water. Strong acids and alkalis cause hydrolysis.
<b>Chemical Stability</b>	Stable.
<b>Conditions to Avoid</b>	Avoid dust formation.

<b>Materials to Avoid</b>	Incompatible/reactive with strong acids and alkalis.
<b>Hazardous Decomposition Products</b>	On combustion/decomposition, toxic gases are released, including Carbon dioxide (CO <sub>2</sub> ), Sulphur oxides, Carbon monoxide.
<b>Hazardous Polymerisation</b>	Will not occur.

## 11. TOXICOLOGICAL INFORMATION

### General Information

Information on toxicological effects:

- Acute toxicity: Not classified. Based on available data and/or professional judgment, the classification criteria are not met.
- Skin corrosion/irritation: Causes skin irritation. COMPONENT: Sodium dioctyl sulphosuccinate (CAS No. 577-11-7): Irritating to skin (Rabbit) [OECD Test Guideline 404].
- Eye damage/irritation: Causes serious eye damage. COMPONENT: Sodium dioctyl sulphosuccinate (CAS No. 577-11-7): Risk of serious damage to eyes (Rabbit) [OECD Test Guideline 405].
- Respiratory/skin sensitisation: Not classified. Based on available data and/or professional judgment, the classification criteria are not met. Not sensitising (dermal/inhalation). COMPONENT: Sodium dioctyl sulphosuccinate (CAS No. 577-11-7): Does not cause skin sensitisation (Repeated Insult Patch Test - Humans).
- Germ cell mutagenicity: Not classified. Based on available data and/or professional judgment, the classification criteria are not met. Not mutagenic. COMPONENT: Sodium dioctyl sulphosuccinate (CAS No. 577-11-7): Negative, Ames test (Salmonella Typhimurium) [OECD Test Guideline 471]. Negative, Chromosome aberration test in vitro (Chinese hamster fibroblasts) [OECD Test Guideline 473]. Negative, Gene mutation assays in mammalian cells (mouse lymphoma cells) [OECD Test Guideline 476].
- Carcinogenicity: Not classified. Based on available data and/or professional judgment, the classification criteria are not met.
- Reproductive toxicity: Not classified. Based on available data and/or professional judgment, the classification criteria are not met.
- STOT (single exposure): Not classified. Based on available data and/or professional judgment, the classification criteria are not met. COMPONENT: Sodium dioctyl sulphosuccinate (CAS No. 577-11-7): The substance or mixture is not classified as specific target organ toxicant, single exposure according to GHS criteria.
- STOT (repeated exposure): Not classified. Based on available data and/or professional judgment, the classification criteria are not met.
- Aspiration toxicity: Not classified. Based on available data and/or professional judgment, the classification criteria are not met.

Information on likely routes of exposure:

- Ingestion: If ingested, severe burns of the mouth and throat, as well as a danger of perforation of the oesophagus and the stomach. Symptoms may include nausea, diarrhoea, abdominal pain.
  - Eye contact: Causes eye burns. May cause irreversible eye damage; Loss of the eye. Symptoms may include lachrymation, conjunctivitis.
  - Skin contact: Causes skin irritation, redness, swelling of tissue. May cause irreversible skin damage.
  - Inhalation: In case of inhalation, irritation/corrosion of the respiratory tract. Risk of respiratory disorder. Symptoms may include cough, breathing difficulties.
- Chronic effects: Chronic exposure may cause dermatitis.

### Acute

#### Ingestion

- Acute toxicity (Oral):
- LD50, Rat: >3,100 mg/kg (gavage).
- COMPONENT: Sodium dioctyl sulphosuccinate (CAS No. 577-11-7):
- LD50, Rat (male & female): 3,000 mg/kg [OECD Test Guideline 401].

#### Other

- Acute toxicity (Dermal):
- LD50, Rabbit: >10,000 mg/kg
- COMPONENT: Sodium dioctyl sulphosuccinate (CAS No. 577-11-7):
- LD50, Rabbit (male): >10,000 mg/kg [OECD Test Guideline 402].

#### Inhalation

- Acute toxicity (Inhalation):
- LC50, Rat: >20 mg/L (4 h).

**Chronic**

<b>Reproduction</b>	<p>Toxicity to reproduction/fertility:          COMPONENT: Sodium dioctyl sulphosuccinate (CAS No. 577-11-7):          - NOAEL, Rat (Parent, male &amp; female): 750 mg/kg bw/day (Oral, 3 generations) [OECD Test Guideline 416].          *no impairment of fertility has been observed</p> <p>Developmental toxicity/teratogenicity:          COMPONENT: Sodium dioctyl sulphosuccinate (CAS No. 577-11-7):          - NOAEL, Rat (females): 1,074 mg/kg (Oral) [OECD Test Guideline 414].          *Developmental toxicity was observed in the presence of maternal toxicity.</p>
<b>Carcinogen Category</b>	None

**12. ECOLOGICAL INFORMATION**

<b>Ecotoxicity</b>	<p>Aquatic toxicity:          - LC50, Fish (Brachydanio rerio): 49 mg/L (96 h).          - EC50, Crustacea (Daphnia magna): 15.2 mg/L (48 h).          - ErC50, Algae/aquatic plants (Desmodesmus subspicatus): 82.5 mg/l (72 h).</p>
<b>Persistence/Degradability</b>	Readily biodegradable (91 %, 28 days) [OECD Test Guideline 310].
<b>Mobility</b>	No information available.
<b>Environmental Fate</b>	Harmful to aquatic life - Avoid release to the environment.
<b>Bioaccumulation Potential</b>	Accumulation in organisms is not expected.
<b>Environmental Impact</b>	No Data Available

**13. DISPOSAL CONSIDERATIONS**

<b>General Information</b>	Recycle, recover and reuse materials where permitted. If disposal is necessary, it is recommended that organic materials, especially when classified as hazardous waste, be disposed of by thermal treatment or incineration at approved facilities; All local and national regulations should be followed.
<b>Special Precautions for Land Fill</b>	Measure for waste avoidance or recovery: Do not dispose of the product at a rubbish tip.

**14. TRANSPORT INFORMATION****Land Transport (Australia)**

ADG Code

<b>Proper Shipping Name</b>	AEROSOL OT-100% SURFACTANT
<b>Class</b>	No Data Available
<b>Subsidiary Risk(s)</b>	No Data Available
<b>UN Number</b>	No Data Available
<b>Hazchem</b>	No Data Available
<b>Pack Group</b>	No Data Available
<b>Special Provision</b>	No Data Available
<b>Comments</b>	NON-DANGEROUS GOODS: Not regulated for LAND transport.

**Land Transport (Malaysia)**

ADR Code

<b>Proper Shipping Name</b>	AEROSOL OT-100% SURFACTANT
<b>Class</b>	No Data Available
<b>Subsidiary Risk(s)</b>	No Data Available No Data Available
<b>UN Number</b>	No Data Available
<b>Hazchem</b>	No Data Available
<b>Pack Group</b>	No Data Available
<b>Special Provision</b>	No Data Available
<b>Comments</b>	NON-DANGEROUS GOODS: Not regulated for LAND transport.

**Land Transport (New Zealand)**

NZS5433

<b>Proper Shipping Name</b>	AEROSOL OT-100% SURFACTANT
<b>Class</b>	No Data Available
<b>Subsidiary Risk(s)</b>	No Data Available No Data Available
<b>UN Number</b>	No Data Available
<b>Hazchem</b>	No Data Available
<b>Pack Group</b>	No Data Available
<b>Special Provision</b>	No Data Available
<b>Comments</b>	NON-DANGEROUS GOODS: Not regulated for LAND transport.

**Land Transport (United States of America)**

US DOT

<b>Proper Shipping Name</b>	AEROSOL OT-100% SURFACTANT
<b>Class</b>	No Data Available
<b>Subsidiary Risk(s)</b>	No Data Available No Data Available
<b>UN Number</b>	No Data Available
<b>Hazchem</b>	No Data Available
<b>Pack Group</b>	No Data Available
<b>Special Provision</b>	No Data Available
<b>Comments</b>	NON-DANGEROUS GOODS: Not regulated for LAND transport.

**Sea Transport**

IMDG Code

<b>Proper Shipping Name</b>	AEROSOL OT-100% SURFACTANT
<b>Class</b>	No Data Available
<b>Subsidiary Risk(s)</b>	No Data Available
<b>UN Number</b>	No Data Available
<b>Hazchem</b>	No Data Available
<b>Pack Group</b>	No Data Available
<b>Special Provision</b>	No Data Available
<b>EMS</b>	No Data Available
<b>Marine Pollutant</b>	No

# SAFETY DATA SHEET AEROSOL OT-100% SURFACTANT REVISION 4, DATE 09 MAY 19

**Comments** NON-DANGEROUS GOODS: Not regulated for SEA transport.

## Air Transport

IATA DGR

**Proper Shipping Name** AEROSOL OT-100% SURFACTANT  
**Class** No Data Available  
**Subsidiary Risk(s)** No Data Available  
**UN Number** No Data Available  
**Hazchem** No Data Available  
**Pack Group** No Data Available  
**Special Provision** No Data Available  
**Comments** NON-DANGEROUS GOODS: Not regulated for AIR transport.

## National Transport Commission (Australia)

Australian Code for the Transport of Dangerous Goods by Road & Rail (ADG Code)

**Dangerous Goods Classification** NOT Dangerous Goods according to the criteria of the Australian Code for the Transport of Dangerous Goods by Road & Rail (ADG Code)

## 15. REGULATORY INFORMATION

**General Information** No Data Available

**Poisons Schedule (Aust)** Not Scheduled

## Environmental Protection Authority (New Zealand)

Hazardous Substances and New Organisms Amendment Act 2015

**Approval Code** HSR002503 - Additives, Process Chemicals and Raw Materials (Subsidiary Hazard) Group Standard 2020

## National/Regional Inventories

**Australia (AIIIC)** Listed  
**Canada (DSL)** Listed  
**Canada (NDSL)** Not Determined  
**China (IECSC)** Listed  
**Europe (EINECS)** Not Determined  
**Europe (REACH)** Not Determined  
**Japan (ENCS/METI)** Listed  
**Korea (KECI)** Listed  
**Malaysia (EHS Register)** Not Determined  
**New Zealand (NZIoC)** Not Determined

Philippines (PICCS)	Listed
Switzerland (Giftliste 1)	Not Determined
Switzerland (Inventory of Notified Substances)	Not Determined
Taiwan (NCSR)	Listed
USA (TSCA)	Listed

## 16. OTHER INFORMATION

Related Product Codes	DISOSU3001, SULPOS3000, SULPOS4000
Revision	4
Revision Date	09 May 2019
Key/Legend	<p>&lt; Less Than &gt; Greater Than  <b>AICS</b> Australian Inventory of Chemical Substances  <b>atm</b> Atmosphere  <b>CAS</b> Chemical Abstracts Service (Registry Number)  <b>cm<sup>2</sup></b> Square Centimetres  <b>CO<sub>2</sub></b> Carbon Dioxide  <b>COD</b> Chemical Oxygen Demand  <b>deg C (°C)</b> Degrees Celcius  <b>EPA (New Zealand)</b> Environmental Protection Authority of New Zealand  <b>deg F (°F)</b> Degrees Fahrenheit  <b>g</b> Grams  <b>g/cm<sup>3</sup></b> Grams per Cubic Centimetre  <b>g/l</b> Grams per Litre  <b>HSNO</b> Hazardous Substance and New Organism  <b>IDLH</b> Immediately Dangerous to Life and Health  <b>immiscible</b> Liquids are insoluable in each other.  <b>inHg</b> Inch of Mercury  <b>inH<sub>2</sub>O</b> Inch of Water  <b>K</b> Kelvin  <b>kg</b> Kilogram  <b>kg/m<sup>3</sup></b> Kilograms per Cubic Metre  <b>lb</b> Pound  <b>LC50</b> LC stands for lethal concentration. LC50 is the concentration of a material in air which causes the death of 50% (one half) of a group of test animals. The material is inhaled over a set period of time, usually 1 or 4 hours.  <b>LD50</b> LD stands for Lethal Dose. LD50 is the amount of a material, given all at once, which causes the death of 50% (one half) of a group of test animals.  <b>ltr or L</b> Litre  <b>m<sup>3</sup></b> Cubic Metre  <b>mbar</b> Millibar  <b>mg</b> Milligram  <b>mg/24H</b> Milligrams per 24 Hours  <b>mg/kg</b> Milligrams per Kilogram  <b>mg/m<sup>3</sup></b> Milligrams per Cubic Metre  <b>Misc or Miscible</b> Liquids form one homogeneous liquid phase regardless of the amount of either component present.  <b>mm</b> Millimetre  <b>mmH<sub>2</sub>O</b> Millimetres of Water  <b>mPa.s</b> Millipascals per Second  <b>N/A</b> Not Applicable  <b>NIOSH</b> National Institute for Occupational Safety and Health  <b>NOHSC</b> National Occupational Heath and Safety Commission  <b>OECD</b> Organisation for Economic Co-operation and Development  <b>Oz</b> Ounce  <b>PEL</b> Permissible Exposure Limit</p>

**SAFETY DATA SHEET AEROSOL OT-100% SURFACTANT REVISION 4, DATE 09 MAY 19**

**Pa** Pascal  
**ppb** Parts per Billion  
**ppm** Parts per Million  
**ppm/2h** Parts per Million per 2 Hours  
**ppm/6h** Parts per Million per 6 Hours  
**psi** Pounds per Square Inch  
**R** Rankine  
**RCP** Reciprocal Calculation Procedure  
**STEL** Short Term Exposure Limit  
**TLV** Threshold Limit Value  
**tne** Tonne  
**TWA** Time Weighted Average  
**ug/24H** Micrograms per 24 Hours  
**UN** United Nations  
**wt** Weight