

#### 1. IDENTIFICATION

Product Name Nonyl Phenol Pure 30 Flake

Other Names Ethoxylated nonylphenol; Nonyl Phenol NP-30 Flake; Nonylphenol polyethylene glycol ether; PANNOX 130;

Polyoxyethylene (30) Nonyl Phenol; Polyoxyethylene Nonylphenyl Ether

**Uses** Nonionic surfactant; Emulsifier; Dispersant; Detergent.

Chemical FamilyNo Data AvailableChemical Formula(C2H4O)nC15H24O

**Chemical Name** Polyethylene glycol, nonylphenyl ether

**Product Description** Nonyl phenol reacted with 30 moles of ethylene oxide.

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

OrganisationLocationTelephoneRedox Ltd2 Swettenham Road<br/>Minto NSW 2566+61-2-97333000

Australia

Wiri Auckland 2104
New Zealand

Redox Inc. 3960 Paramount Boulevard +1-424-675-3200

Suite 107

Lakewood CA 90712

USA

Redox Chemicals Sdn Bhd Level 2, No. 8, Jalan Sapir 33/7 +60-3-5614-2111

Seksyen 33, Shah Alam Premier Industrial Park

40400 Shah Alam Sengalor, Malaysia

# **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**

Hazard Classification Hazardous according to the criteria of the Globally Harmonised System of Classification and Labelling of

Chemicals (GHS)

Hazard Categories Acute Toxicity (Oral) - Category 4

Skin Corrosion/Irritation - Category 2 Serious Eye Damage/Irritation - Category 1 Toxic To Reproduction - Category 2

Acute Hazard To The Aquatic Environment - Category 1

**Pictograms** 









Signal Word Danger

Hazard Statements H302 Harmful if swallowed.

**H315** Causes skin irritation.

**H318** Causes serious eye damage.

**H361fd** Suspected of damaging fertility. Suspected of damaging the unborn child.

**H400** Very toxic to aquatic life.

**Precautionary Statements** Prevention **P280** Wear protective gloves/protective clothing/eye protection/face protection.

P201 Obtain special instructions before use.
P273 Avoid release to the environment.

**P270** Do not eat, drink or smoke when using this product.

Response P305 + P351 + P338 + IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses,

P310

if present and easy to do. Continue rinsing. Immediately call a  $\ensuremath{\mathsf{POISON}}$ 

CENTRE/doctor.

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

**P308 + P313** IF exposed or concerned: Get medical advice/ attention.

**P391** Collect spillage.

**P301 + P312** IF SWALLOWED: Call a POISON CENTER or doctor if you feel unwell.

P330 Rinse mouth

**P332 + P313** If skin irritation occurs: Get medical advice/attention.

P362 Take off contaminated clothing.

Storage **P405** Store locked up.

Disposal P501 Dispose of contents/container in accordance with local / regional / national /

international regulations.

## **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)

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

### Ingredients

Chemical Entity	Formula	CAS Number	Proportion
Nonylphenol polyethylene glycol ether	(C2H4O)nC15H24O	9016-45-9	>99 %
Ingredients determined not to be hazardous	Unspecified	Unspecified	<1 %

#### 4. FIRST AID MEASURES

Description of necessary measures according to routes of exposure

Swallowed IF SWALLOWED: Rinse mouth, then drink a glass of water. Do not induce vomiting. Call a Poison Centre or

doctor/physician for advice. Never give anything by mouth to an unconscious person.

Eye 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. If eye

irritation persists, get medical advice/attention.

Skin IF ON SKIN: Remove contaminated clothing and shoes immediately. Wash skin with warm running water for at least 15

minutes. If skin irritation occurs, get medical advice/attention. Wash contaminated clothing and shoes before reuse.

Inhaled IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. If respiratory symptoms

persist, get medical advice/attention.

**Advice to Doctor** If exposed or concerned, get medical advice/attention. Treat symptomatically.

Medical Conditions Aggravated by No information available.

**Exposure** 

#### **5. FIRE FIGHTING MEASURES**

General Measures If safe to do so, move undamaged containers from fire area. Cool containers with water spray until well after fire is out.

**Flammability Conditions**Combustible solid; May burn but does not ignite readily. Flame might be invisible in daylight.

Fire and Explosion Hazard Avoid generating dust; fine dust dispersed in air in sufficient concentrations, and in the presence of an ignition source is a

potential dust explosion hazard.

**Hazardous Products of** 

Combustion

Fire may produce irritating, toxic and/or corrosive fumes, including Carbon oxides.

**Special Fire Fighting Instructions** Contain runoff from fire control or dilution water - Runoff may pollute waterways.

Personal Protective Equipment Wear self-contained breathing apparatus (SCBA) and chemical splash suit. SCBA and structural firefighter's uniform may

provide limited protection.

Flash Point >250 °C [ASTM D7094]

Lower Explosion LimitNo Data AvailableUpper Explosion LimitNo Data AvailableAuto Ignition TemperatureNo Data AvailableHazchem CodeNo Data Available

#### **6. ACCIDENTAL RELEASE MEASURES**

General Response Procedure Ensure adequate ventilation. ELIMINATE all ignition sources. Do not touch or walk through spilled material. Avoid

generating dust. Avoid breathing dust and contact with eyes, skin and clothing.

Clean Up Procedures Collect material (sweep or vacuum up) and seal in properly labelled containers for disposal (see SECTION 13). Avoid

dispersal of dust in the air.

Containment Stop leak if safe to do so – Prevent entry into waterways, drains or confined areas. Prevent dust cloud.

 Decontamination
 Wash area down with excess water.

 Environmental Precautionary
 Prevent entry into drains and waterways.

Measures

**Evacuation Criteria** 

around.

#### 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. Minimise dust generation and accumulation. Avoid breathing dust or mist and contact with eyes, skin and clothing. Do not ingest. Wear protective gloves/protective clothing/eye protection/face protection (see SECTION 8). WARNING! May form combustible dust concentrations in air (during processing). Provide adequate precautions, such as electrical grounding and bonding, or

Spill or leak area should be isolated immediately. Keep unauthorised personnel away. Keep upwind and to higher

inert atmospheres.

Storage Store in a cool, dry and well-ventilated place, out of direct sunlight. Keep container tightly closed. Check regularly for

leaks. Protect containers against physical damage. Keep away from heat and sources of ignition - No smoking. Keep

away from foodstuffs and incompatible materials (see SECTION 10). Store locked up.

**Container** Keep in the original container.

# 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

General No specific exposure standards are available for this product. For dusts from solid substances without specific

occupational exposure standards:

- Safe Work Australia Exposure Standard (Nuisance dusts): 8 hr TWA = 10 mg/m3 (measured as inhalable dust).

- New Zealand WES (Particulates not otherwise classified): TWA = 10 mg/m3; TWA = 3 mg/m3 (respirable dust).

**Exposure Limits** No Data Available

**Biological Limits** No information available.

**Engineering Measures** A system of local and/or general exhaust is recommended to keep employee exposures as low as possible. Local exhaust

ventilation is generally preferred because it can control the emissions of the contaminant at its source, preventing

dispersion of it into the general work area.

Personal Protection Equipment - Respiratory protection: In case of inadequate ventilation, wear respiratory protection. Recommended: Dust

mask/particulate filter respirator (refer to AS/NZS 1715 & 1716).

 $- \ \ \text{Eye/face protection: We ar appropriate eye protection to avoid eye contact. Recommended: Safety \ glasses \ with \ side}$ 

shields or chemical splash goggles.

- Hand protection: Handle with gloves. Recommended: Impervious gloves, e.g. Rubber.

- Skin/body protection: Wear appropriate personal protective clothing to avoid skin contact. Recommended: Protective

working clothes and safety shoes.

Special Hazards Precaustions N

No information available.

Work Hygienic Practices

Do not eat, drink or smoke when using this product. Wash hands before break and at the end of work. Wash contaminated clothing and other protective equipment before storage or re-use. Routine housekeeping should be

instituted to ensure that dusts do not accumulate on surfaces.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State Solid

**Appearance** Flakes

Odour Light, characteristic

Colour White

рΗ 5 - 7 (1% aq.)

**Vapour Pressure** <0.0013 kPa (@ 20 °C)

**Relative Vapour Density** >1 Air = 1 >250 °C **Boiling Point** 

**Melting Point** No Data Available **Freezing Point** No Data Available Solubility Soluble in water **Specific Gravity** No Data Available

**Flash Point** >250 °C [ASTM D7094] **Auto Ignition Temp** No Data Available **Evaporation Rate** No Data Available **Bulk Density** No Data Available **Corrosion Rate** No Data Available **Decomposition Temperature** No Data Available No Data Available Density **Specific Heat** No Data Available **Molecular Weight** No Data Available **Net Propellant Weight** No Data Available **Octanol Water Coefficient** No Data Available **Particle Size** No Data Available No Data Available

**Partition Coefficient Saturated Vapour Concentration** No Data Available **Vapour Temperature** No Data Available Viscosity No Data Available **Volatile Percent** No Data Available **VOC Volume** No Data Available

**Additional Characteristics** No information available.

**Potential for Dust Explosion** Avoid generating dust; fine dust dispersed in air in sufficient concentrations, and in the presence of an ignition source is a

potential dust explosion hazard.

**Fast or Intensely Burning** 

Characteristics

No information available.

Flame Propagation or Burning

**Rate of Solid Materials** 

No information available.

No information available.

Non-Flammables That Could

Contribute Unusual Hazards to a

**Properties That May Initiate or** Contribute to Fire Intensity

Combustible solid; May burn but does not ignite readily. Flame might be invisible in daylight.

**Reactions That Release Gases or** 

**Vapours** 

Fire/decomposition may produce irritating, toxic and/or corrosive fumes, including Carbon oxides.

Release of Invisible Flammable

Vapours and Gases

No information available.

# 10. STABILITY AND REACTIVITY

**General Information** Product is stable under normal conditions.

**Chemical Stability** Stable under normal conditions of use.

**Conditions to Avoid**Avoid generating dust. Avoid excessive heat and sources of ignition. **Materials to Avoid**Incompatible/reactive with strong oxidising agents, strong acids.

**Hazardous Decomposition** 

**Products** 

Fire/decomposition may produce irritating, toxic and/or corrosive fumes, including Carbon oxides.

Hazardous Polymerisation No information available.

#### 11. TOXICOLOGICAL INFORMATION

**General Information** - Acute toxicity: Harmful if swallowed.

Skin corrosion/irritation: Causes skin irritation.
Eye damage/irritation: Causes serious eye damage.
Respiratory/skin sensitisation: No information available.
Germ cell mutagenicity: No information available.

- Carcinogenicity: No information available.

- Reproductive toxicity: Suspected of damaging fertility or the unborn child.

STOT (single exposure): No information available.
STOT (repeated exposure): No information available.
Aspiration toxicity: No information available.

Carcinogen Category None

### 12. ECOLOGICAL INFORMATION

EcotoxicityNo information available.Persistence/DegradabilityNo information available.MobilityNo information available.

**Environmental Fate** Very toxic to aquatic life - Avoid release to the environment.

Bioaccumulation Potential No information available.

Environmental Impact No Data Available

## 13. DISPOSAL CONSIDERATIONS

**General Information** Dispose of contents/container in accordance with local/regional/national regulations.

Special Precautions for Land Fill Empty containers should be decontaminated and recycled, if possible.

# 14. TRANSPORT INFORMATION

Land Transport (Australia)

ADG Code

Proper Shipping Name Nonyl Phenol Pure 30 Flake

Class No Data Available

Subsidiary Risk(s) No Data Available

**EPG** 47 Low To Moderate Hazard Substances

UN Number No Data Available
Hazchem No Data Available
Pack Group No Data Available

Special Provision AU01

Comments Not regulated as DG when transported by road or rail in packagings that do not incorporate a receptacle

exceeding 500 kg(L) or IBCs.

### Land Transport (Malaysia)

ADR Code

Proper Shipping Name ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Ethoxylated nonylphenol)

Class 9 Miscellaneous Dangerous Goods and Articles

Subsidiary Risk(s) No Data Available

**EPG** 47 Low To Moderate Hazard Substances

 UN Number
 3077

 Hazchem
 27

 Pack Group
 III

**Special Provision** No Data Available

# Land Transport (New Zealand)

NZS5433

Proper Shipping Name ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Ethoxylated nonylphenol)

Class 9 Miscellaneous Dangerous Goods and Articles

Subsidiary Risk(s) No Data Available

**EPG** 47 Low To Moderate Hazard Substances

 UN Number
 3077

 Hazchem
 2Z

 Pack Group
 III

Special Provision No Data Available

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

**US DOT** 

Proper Shipping Name ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Ethoxylated nonylphenol)

Class 9 Miscellaneous Dangerous Goods and Articles

Subsidiary Risk(s) No Data Available

**ERG** 171 Substances (Low to Moderate Hazard)

 UN Number
 3077

 Hazchem
 2Z

 Pack Group
 III

Special Provision No Data Available

## **Sea Transport**

IMDG Code

Proper Shipping Name ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Ethoxylated nonylphenol)

Class 9 Miscellaneous Dangerous Goods and Articles

Subsidiary Risk(s) No Data Available

UN Number 3077

Hazchem 2Z Pack Group III

**Special Provision** No Data Available

EMS F-A, S-F Marine Pollutant Yes

Air Transport IATA DGR

Proper Shipping Name ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Ethoxylated nonylphenol)

Class 9 Miscellaneous Dangerous Goods and Articles

Subsidiary Risk(s) No Data Available

 UN Number
 3077

 Hazchem
 27

 Pack Group
 III

**Special Provision** No Data Available

### **National Transport Commission (Australia)**

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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 Not Assessed

# **National/Regional Inventories**

Australia (AIIC) Listed

Canada (DSL) Not Determined

Canada (NDSL) Not Determined

China (IECSC) Not Determined

**Europe (EINECS)** Not Determined

Europe (REACh) Not Determined

Japan (ENCS/METI) Not Determined

Korea (KECI) Not Determined

Malaysia (EHS Register) Not Determined

New Zealand (NZIoC) Not Determined

Philippines (PICCS) Not Determined

Switzerland (Giftliste 1) Not Determined

**Switzerland (Inventory of Notified** 

Substances)

Not Determined

Taiwan (NCSR) Not Determined

USA (TSCA) Not Determined

# **16. OTHER INFORMATION**

Related Product Codes SUFNON1000, SUFNON2900, SUFNON3000, SUFNON3200, SUFNON4000

**Revision** 5

**AICS** Australian Inventory of Chemical Substances

atm Atmosphere

**CAS** Chemical Abstracts Service (Registry Number)

cm² Square CentimetresCO2 Carbon Dioxide

**COD** Chemical Oxygen Demand **deg C (°C)** Degrees Celcius

EPA (New Zealand) Environmental Protection Authority of New Zealand

deg F (°F) Degrees Farenheit

**g** Grams

g/cm3 Grams per Cubic Centimetre

g/I Grams per Litre

HSNO Hazardous Substance and New Organism IDLH Immediately Dangerous to Life and Health immiscible Liquids are insoluable in each other.

inHg Inch of Mercury inH2O Inch of Water

**K** Kelvin **kg** Kilogram

kg/m³ Kilograms per Cubic Metre

**Ib** Pound

**LC50** 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.

**LD50** 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.

Itr or L Litre m³ Cubic Metre mbar Millibar mg Milligram

mg/24H Milligrams per 24 Hours mg/kg Milligrams per Kilogram mg/m³ Milligrams per Cubic Metre

Misc or Miscible Liquids form one homogeneous liquid phase regardless of the amount of either component present.

mm Millimetre

mmH2O Millimetres of Water mPa.s Millipascals per Second

 $\mathbf{N}/\mathbf{A}$  Not Applicable

NIOSH National Institute for Occupational Safety and Health

**NOHSC** National Occupational Heath and Safety Commission

**OECD** Organisation for Economic Co-operation and Development

Oz Ounce

**PEL** Permissible Exposure Limit

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