

1. IDENTIFICATION

Product Name	PEG-30 Nonyl Phenyl Ether (30 EO)
Other Names	2-(Nonylphenyl)-.omega.-hydroxypoly(oxy-1,2-ethanediyl); Ethoxylated nonylphenol; Glycols, polyethylene, mono (nonylphenyl) ether; Nonylphenol, ethylene oxide, condensate; Nonylphenoxypolyethoxy ethanol; Poly(oxy-1,2-ethanediyl), .alpha.-(nonylphenyl)-.omega.-hydroxy-; Polyethylene glycol, nonylphenyl ether
Uses	No Data Available
Chemical Family	No Data Available
Chemical Formula	(C ₂ H ₄ O) _n C ₁₅ H ₂₄ O
Chemical Name	PEG-30 Nonyl Phenyl Ether (30 EO)
Product Description	No Data Available

Contact Details of the Supplier of this Safety Data Sheet

Organisation	Location	Telephone
Redox Pty Ltd	2 Swettenham Road Minto NSW 2566 Australia	+61-2-97333000
Redox Pty 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) No Data Available

Safe Work Australia

Approved Criteria for Classifying Hazardous Substances (NOHSC:1008(2004))

Hazard Classification

NOT hazardous according to the criteria of Safe Work Australia [NOHSC:1008(2004)]

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
Peg-30 Nonyl Phenyl Ether	No Data Available	9016-45-9	100.0 %

4. FIRST AID MEASURES**Description of necessary measures according to routes of exposure**

Swallowed	Rinse mouth with plenty of water. Seek medical attention if symptoms appear.
Eye	Immediately flush eyes with plenty of water for 15 minutes, holding eyelids open. Seek medical attention.
Skin	Remove contaminated clothing. Wash affected area with plenty of water. If irritation occurs or persists, seek medical attention.
Inhaled	Remove victim from exposure to fresh air - Avoid becoming a casualty. Seek medical advice if effects persist.
Advice to Doctor	Treat symptomatically based on judgement of doctor and individual reactions of patient.
Medical Conditions Aggravated by Exposure	No information available on medical conditions aggravated by exposure to this product.

5. FIRE FIGHTING MEASURES

General Measures	Clear fire area of all non-emergency personnel. Stay upwind. Keep out of low areas. Eliminate ignition sources. Move fire exposed containers from fire area if it can be done without risk.
Flammability Conditions	Product is combustible but not readily ignited.
Extinguishing Media	Water, carbon dioxide, foam, dry chemical powder.
Hazardous Products of Combustion	No Data Available
Special Fire Fighting Instructions	Do NOT allow fire fighting water to reach waterways, drains or sewers. Store fire fighting water for treatment.
Personal Protective Equipment	Fire fighters should wear a positive-pressure self-contained breathing apparatus (SCBA) and protective fire fighting clothing (includes fire fighting helmet, coat, trousers, boots and gloves).
Flash Point	>150 °C Closed Cup
Lower Explosion Limit	No Data Available
Upper Explosion Limit	No Data Available
Auto Ignition Temperature	No Data Available
Hazchem Code	No Data Available

6. ACCIDENTAL RELEASE MEASURES

General Response Procedure	Avoid accidents, clean up immediately. Slippery when spilt. Eliminate all sources of ignition. Increase ventilation. Avoid generating dust. Stop leak if safe to do so. Isolate the danger area. Use clean, non-sparking tools and equipment.
Clean Up Procedures	Contain and sweep/shovel up spills with sand / soil or dust binding material. Transfer to a suitable, labelled container and dispose of promptly.
Containment	Stop leak if safe to do so. Isolate the danger area.
Environmental Precautionary Measures	Do NOT let product reach drains or waterways. If product does enter a waterway, advise the Environmental Protection Authority or your local Waste Management.
Evacuation Criteria	Evacuate all unnecessary personnel.
Personal Precautionary Measures	Personnel involved in the clean up should wear full protective clothing as listed in section 8.

7. HANDLING AND STORAGE

Handling	Ensure an eye bath and safety shower are available and ready for use. Observe good personal hygiene practices and recommended procedures. Wash thoroughly after handling. Take precautionary measures against static discharges by bonding and grounding equipment. Avoid contact with eyes, skin and clothing. Do not inhale product dust/fumes.
Storage	Store in a cool, dry, well-ventilated area. Keep containers tightly closed when not in use. Inspect regularly for deficiencies such as damage or leaks. Protect against physical damage. Store away from incompatible materials as listed in section 10. Store away from oxidising agents. This product is classified as a 'C1' Combustible Liquid for the purpose of storage and handling in accordance with the requirements of AS1940.
Container	Store in original packaging as approved by manufacturer.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

General	No exposure standard has been established for this product by the Australian Safety and Compensation Council (ASCC). However, the exposure standard for dust not otherwise specified is 10mg/m ³ (for inspirable dust) and 3mg/m ³ (for respirable dust).
Exposure Limits	No Data Available
Biological Limits	No information available on biological limit values for this product.
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. Adequate ventilation should be provided so that exposure limits are not exceeded.
Personal Protection Equipment	RESPIRATOR: Not normally required (AS1715/1716). EYES: Protective goggles (AS1336/1337). HANDS: Protective or rubber gloves (AS2161). CLOTHING: Long-sleeved protective clothing and safety footwear (AS3765/2210).
Work Hygienic Practices	No Data Available

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Solid
Appearance	Flakes
Odour	Light characteristic odour
Colour	White
pH	5 - 7 1%
Vapour Pressure	No Data Available

Relative Vapour Density	No Data Available
Boiling Point	No Data Available
Melting Point	No Data Available
Freezing Point	No Data Available
Solubility	Miscible
Specific Gravity	No Data Available
Flash Point	>150 °C Closed Cup
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
Density	No Data Available
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
Partition Coefficient	No Data Available
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 Data Available
Potential for Dust Explosion	No Data Available
Fast or Intensely Burning Characteristics	Product is combustible but not readily ignited.
Flame Propagation or Burning Rate of Solid Materials	No Data Available
Non-Flammables That Could Contribute Unusual Hazards to a Fire	No Data Available
Properties That May Initiate or Contribute to Fire Intensity	No Data Available
Reactions That Release Gases or Vapours	No Data Available
Release of Invisible Flammable Vapours and Gases	No Data Available

10. STABILITY AND REACTIVITY

Chemical Stability	Product is stable under normal conditions of use, storage and temperature.
Conditions to Avoid	No Data Available
Materials to Avoid	Strong oxidising agents.
Hazardous Decomposition Products	No Data Available
Hazardous Polymerisation	No Data Available

11. TOXICOLOGICAL INFORMATION

General Information

6.1E (oral)
SPECIES: Rat
ENDPOINT: LD50
VALUE: 2590 mg/kg
REFERENCE SOURCE: [NTP]

6.1E (dermal)
SPECIES: Rabbit
ENDPOINT: LD50
VALUE: 2830 mg/kg
REFERENCE SOURCE: [NTP]

6.3B
SPECIES: Rabbit
RESULT: Mild
REFERENCE SOURCE: [NTP]

6.4A
SPECIES: Rabbit, Rat, Guinea Pig and Mouse
RESULT: Severe
REFERENCE SOURCE: [NTP]

Eyelrritant

May cause eye irritation.

Ingestion

No adverse effects, but large amounts may cause nausea and vomiting.

Inhalation

Inhalation of dust may cause respiratory tract irritation.

SkinIrritant

May cause slight irritation.

Carcinogen Category

No Data Available

12. ECOLOGICAL INFORMATION

Ecotoxicity

9.1B (fish)
ACUTE
SPECIES: Lepomis macrochirus Bluegill Sunfish
TYPE OF EXPOSURE: Static
DURATION: 96 hr
ENDPOINT: LC50
VALUE: 1300 ug/l (= 1.3 mg/l)
REFERENCE SOURCE: Ref no: 854. Macek, K.J., and S.F. Krzeminski (1975) Susceptibility of Bluegill Sunfish (Lepomis macrochirus) to Nonionic Surfactants. Bull.EnvIRON.Contam.Toxicol. 13(3):377-384 [ECOTOX]

CHRONIC
SPECIES: Medaka
TYPE OF EXPOSURE:
DURATION:
ENDPOINT: NOEC
VALUE: 8.2 µg L-1 (=0.0082 mg/l)
REFERENCE SOURCE: ALKYLPHENOLS & ETHOXYLATES RESEARCH COUNCIL
COMMENTS ON THE JAPAN ENVIRONMENTAL HEALTH DEPARTMENT, MINISTRY OF THE ENVIRONMENT
REPORT ON THE TEST RESULTS OF ENDOCRINE DISRUPTING EFFECTS OF NONYLPHENOL ON FISH (DRAFT)
Submitted January 3, 2002

9.1B (crustacean)
SPECIES: Daphnia pulex Water flea
TYPE OF EXPOSURE: Static
DURATION: 48 hr
ENDPOINT: LC50
VALUE: 4800 ug/l (= 4.8 mg/l)
REFERENCE SOURCE: Ref no: 2877. Benijts-Claus, C., and G. Persoone (1975) Toxicity of Three Herbicides in the Aquatic Ecosystem (La Toxicite de Trois Herbicides sur LEcosysteme Aquatique). La Tribune Du Cereveau 28(383):340-346 (FRE); Pestic.Abstr.9(7):526 (1976) (ABS) [ECOTOX]

9.1C (algal) REMARK: Environment Canada/Health Canada reported LC50s for algae ranging from 27 to 2500 (g/L 17).

REFERENCE SOURCE: [REPORT ON THE TEST RESULTS ON ENDOCRINE DISRUPTING EFFECTS ON NONYLPHENOL IN FISH (DRAFT) - <http://www.oecd.org/pdf/M00019000/M00019988.pdf>]

Persistence/Degradability

Rapidly Degradable: No
AQUATIC FATE: Primary biodegradation tests with sediment and river water(1,2), indicate that primary degradation of polyethylene glycol linear nonylphenyl ether in water will be important (97% to 99% in 30 days). Biodegradation screening studies on the aerobic biodegradation of mixtures of branched and linear polyethylene glycol nonylphenyl ethers indicate rapid primary degradation to nonylphenol diethoxylate and nonylphenol ethoxylate under aerobic conditions and nonylphenol under anaerobic conditions(3-5).
[(1) Yoshimura K et al; J Amer Oil Chem Soc 63: 1590-96 (1986) (2) Ruiz Cruz PJ, Dobarganes Garcis MC; Grasas y Aceites 29: 1-8 (1978) (3) Fischer WK, Gerike P; Water Res 9: 1137-41 (1975) (4) Ahel M et al; Comm Eur Communities, Eur 10388, Org Micropollut Aquat Environ pp. 412-28 (1986) (5) Kravetz L et al; Tenside Detergents 21: 1-6 (1984)]**PEER REVIEWED**
[HSDB]

Mobility

No Data Available

Environmental Fate

No Data Available

Bioaccumulation Potential

Biocumulative: No
BCF values of <0.2 to <1.4 were measured in carp at polyethylene glycol nonylphenyl ether concentrations of 2.0 and 0.2 mg/l, respectively. According to a classification scheme(3), these BCF values indicate that bioconcentration of this mixture in aquatic organisms is low(SRC). Nonylphenol, nonylphenol monoethoxylate, and nonylphenol diethoxylate are more lipophilic and may bioconcentrate in aquatic organisms to a greater extent than higher oligomers(3).
[(1) Chemicals Inspection and Testing Institute; Biodegradation and Bioaccumulation Data of Existing Chemicals Based on the CSCL Japan. Japan Chemical Industry Ecology - Toxicology and Information Center. ISBN 4-89074-101-1 (1992) (2) Franke C et al; Chemosphere 29: 1501-14 (1994) (3) Kvestak R, Ahel M; Ecotoxicol Environ Safety 28: 25-34 (1994)]**PEER REVIEWED**
[HSDB]

Environmental Impact

No Data Available

13. DISPOSAL CONSIDERATIONS

General Information

Dispose of in accordance with all local, state and federal regulations. All empty packaging should be disposed of in accordance with Local, State, and Federal Regulations or recycled/reconditioned at an approved facility.

Special Precautions for Land Fill

Contact a specialist disposal company or the local waste regulator for advice.

14. TRANSPORT INFORMATION

Land Transport (Australia)

ADG Code

Proper Shipping Name	Peg-30 Nonyl Phenyl Ether (30 EO)
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

Land Transport (New Zealand)

NZS5433

Proper Shipping Name	Peg-30 Nonyl Phenyl Ether (30 EO)
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

Land Transport (United States of America)

US DOT

Proper Shipping Name	Peg-30 Nonyl Phenyl Ether (30 EO)
Class	No Data Available
Subsidiary Risk(s)	No Data Available
	No Data Available
UN Number	No Data Available
Hazchem	No Data Available
Pack Group	No Data Available
Special Provision	No Data Available

Sea Transport

IMDG Code

Proper Shipping Name	Peg-30 Nonyl Phenyl Ether (30 EO)
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
EMS	No Data Available
Marine Pollutant	No

Air Transport

IATA DGR

Proper Shipping Name	Peg-30 Nonyl Phenyl Ether (30 EO)
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

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)
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15. REGULATORY INFORMATION

General Information	No Data Available
Poisons Schedule (Aust)	No Data Available

Environmental Protection Authority (New Zealand)

Hazardous Substances and New Organisms Amendment Act 2015

Approval Code Not Hazardous

National/Regional Inventories

Australia (AICS)	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, SUFNON3200, SUFNON4000
Revision	4
Revision Date	24 Jun 2014
Key/Legend	< Less Than > Greater Than AICS Australian Inventory of Chemical Substances atm Atmosphere CAS Chemical Abstracts Service (Registry Number) cm² Square Centimetres CO₂ 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/l 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
lb 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.
ltr 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
N/A Not Applicable
NIOSH National Institute for Occupational Safety and Health
NOHSC National Occupational Health 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