

**Product name: Turbo Rot-Fix****1. PRODUCT AND COMPANY IDENTIFICATION****Product name:** Turbo Rot-Fix**Recommended use of the chemical****Identified uses:** Used to penetrate, restore and waterproof rotted timber**COMPANY IDENTIFICATION****Manufacturer:** Chemical Specialties Ltd  
116 Princes St  
Onehunga  
Auckland, New Zealand**Australian Importer:** Tradeware  
45 Birralelee Rd  
Regency Park, SA 5010  
Phone: 1300 658 494**Customer Information Number:** 0064 9 636 8618**EMERGENCY TELEPHONE NUMBER****24-Hour Emergency Contact:** +64 21 486121**Local Emergency Contact:** +64 21 486121**New Zealand:** For medical advice, contact the New Zealand Poisons Information Centre:  
0800 POISON (0800 764766)**Transport Emergency Only Dial** 111**Australia:** For advice, contact a doctor (at once) or the Australian Poisons Information Centre: 131 126**Transport Emergency Only Dial** 000**2. HAZARDS IDENTIFICATION****GHS Classification** Not classified as hazardous according to the criteria of the Work Health and Safety Regulations, Australia and New Zealand.**Other hazards**

No data available. Product becomes sticky as it dries. Therefore KEEP AWAY FROM CHILDREN

**Disposal**

Dispose of large contents/ container to an approved waste disposal plant.

For small retail quantities dispose by dilution with water then flush down a toilet sewer.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

This product is a mixture.

Component	CAS NO.	Concentration
Octylphenoxypolyethoxyethanol	9036-19-5	>= 0.3 - < 1.0 %
Methanol	67-56-1	Between 1 and 3%
Urethane-modified acrylic resin emulsion		40 to 50%

### 4. FIRST AID MEASURES

#### Description of first aid measures

**Inhalation:** Move to fresh air.

**Skin contact:** Wash with water and soap before it dries as a precaution. If skin irritation persists, call a physician.

**Eye contact:** Rinse immediately before it dries with plenty of water. Apply a salve like Optrex in an eye-bath if stinging occurs after rinsing. If eye irritation persists, consult a specialist.

**Ingestion:** Drink 1 or 2 glasses of water. Consult a physician if necessary. Never give anything by mouth to an unconscious person.

**Most important symptoms and effects, both acute and delayed:** Aside from the information found under Description of first aid measures (above) and Indication of immediate medical attention and special treatment needed (below), any additional important symptoms and effects are described in Section 11: Toxicology Information.

#### Indication of any immediate medical attention and special treatment needed

**Notes to physician:** Treatment of exposure should be directed at the control of symptoms and the clinical condition of the patient.

### 5. FIREFIGHTING MEASURES

**Hazchem Code:** None Allocated

**Suitable extinguishing media:** Does not burn. So use extinguishing media appropriate for surrounding fire.

**Unsuitable extinguishing media:** No data available

**Special hazards arising from the substance or mixture -** None

**Hazardous combustion products:** No data available

**Unusual Fire and Explosion Hazards:** Material can splatter above 100C/212F.

#### Advice for fire fighters

**Fire Fighting Procedures:** No data available

**Special protective equipment for firefighters:** Wear self-contained breathing apparatus and protective suit. Product is sticky when dried. Wash off with water while still wet.

## 6. ACCIDENTAL RELEASE MEASURES

### For Major releases of large quantities

**Personal precautions, protective equipment and emergency procedures:** Use personal protective equipment. Material can create slippery conditions.

**Environmental precautions:** CAUTION: Keep large spills and cleaning runoff out of municipal sewers and open bodies of water.

**Methods and materials for containment and cleaning up:** Contain spills immediately with inert materials (e.g., sand, earth). Transfer liquids and solid diking material to separate suitable containers for recovery or disposal.

## 7. HANDLING AND STORAGE

**Precautions for safe handling:** Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. Keep containers tightly closed.

**Conditions for safe storage:** Keep from freezing - product stability may be affected.

### Storage stability

**Storage temperature:** 1 - 49 °C

Other data: Monomer vapours can be evolved when material is heated.

See SECTION 8, for types of ventilation required.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control parameters

If exposure limits exist, they are listed below. If no exposure limits are displayed, then no values are applicable.

**Exposure controls.** None Known

**Protective measures:** Facilities storing or utilizing this material should be equipped with an eyewash facility.

### Individual protection measures

**Eye/face protection:** Safety glasses with side-shields

### Skin protection

**Hand protection:** The glove(s) listed below may provide protection against permeation. (Gloves of other chemically resistant materials may not provide adequate protection):  
Neoprene gloves

**Other Information:** For large commercial quantities selection and use of personal protective equipment should be in accordance with the recommendations in one or more of the relevant Australian/New Zealand Standards, including:

AS/NZS 1336: Eye and face protection – Guidelines.

AS/NZS 1337: Personal eye protection - Eye and face protectors for occupational applications.

AS/NZS 1715: Selection, use and maintenance of respiratory protective equipment.

AS/NZS 2161: Occupational protective gloves.

AS/NZS 2210: Occupational protective footwear.

AS/NZS 4501: Occupational protective clothing set.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

<b>Appearance</b>	
<b>Physical state</b>	liquid
<b>Color</b>	milky white
<b>Odor</b>	acrylic-like
<b>Odor Threshold</b>	No data available
<b>Ph</b>	9.3 - 10.2
<b>Melting point/range</b>	0 °C Water
<b>Freezing point</b>	No data available
<b>Boiling point (760 mmHg)</b>	100 °C Water
<b>Flash point</b>	Non-combustible
<b>Evaporation Rate (Butyl Acetate= 1)</b>	<1 Water
<b>Flammability (solid, gas)</b>	Not Applicable
<b>Lower explosion limit</b>	Not applicable
<b>Upper explosion limit</b>	Not applicable
<b>Vapor Pressure</b>	17 mmHg at 20 °C Water
<b>Relative Vapor Density (air = 1)</b>	<1 Water
<b>Relative Density (water = 1)</b>	1 - 1.2
<b>Water solubility</b>	infinitely dilutable
<b>Partition coefficient: octanol/water</b>	No data available
<b>Auto-ignition temperature</b>	Not applicable
<b>Decomposition temperature</b>	No data available
<b>Dynamic Viscosity</b>	2 to 10 mPa.s
<b>Kinematic Viscosity</b>	No data available
<b>Explosive properties</b>	None
<b>Oxidizing properties</b>	None
<b>Molecular weight</b>	No data available
<b>Percent volatility</b>	60 % Water

NOTE: The physical data presented above are typical values and should not be construed as a specification.

## 10. STABILITY AND REACTIVITY

**Reactivity:** No data available

**Chemical stability:** Stable

**Possibility of hazardous reactions:** None known.

**Conditions to avoid:** No data available

**Incompatible materials:** There are no known materials which are incompatible with this product.

**Hazardous decomposition products:** Thermal decomposition may yield acrylic monomers.

## 11. TOXICOLOGICAL INFORMATION

*Toxicological information appears in this section when such data is available.*

### Acute toxicity

#### Acute oral toxicity

LD50, Rat, > 10,000 mg/kg

#### Acute dermal toxicity

LD50, Rabbit, > 10,000 mg/kg

#### Acute inhalation toxicity

Product test data not available. Refer to component data.

#### Skin corrosion/irritation

May cause transient irritation.

#### Serious eye damage/eye irritation

possible eye irritation

#### Sensitization

Product test data not available. Refer to component data.

#### Specific Target Organ Systemic Toxicity (Single Exposure)

Product test data not available. Refer to component data.

#### Specific Target Organ Systemic Toxicity (Repeated Exposure)

Product test data not available. Refer to component data.

#### Carcinogenicity

Product test data not available. Refer to component data.

#### Teratogenicity

Product test data not available. Refer to component data.

#### Reproductive toxicity

Product test data not available. Refer to component data.

#### Mutagenicity

Product test data not available. Refer to component data.

#### Aspiration Hazard

Product test data not available. Refer to component data.

**Additional information**

No data are available for this material. The information shown is based on profiles of compositionally similar materials.

**COMPONENTS INFLUENCING TOXICOLOGY:****Octylphenoxyethoxyethanol****Acute inhalation toxicity**

The LC50 has not been determined.

**Sensitization**

Did not cause allergic skin reactions when tested in humans.

For respiratory sensitization: No relevant data found.

**Specific Target Organ Systemic Toxicity (Single Exposure)**

Evaluation of available data suggests that this material is not an STOT-SE toxicant.

**Specific Target Organ Systemic Toxicity (Repeated Exposure)**

In animals, effects have been reported on the following organs: Liver.

**Carcinogenicity**

No relevant data found.

**Teratogenicity**

Did not cause birth defects or any other fetal effects in laboratory animals.

**Reproductive toxicity**

No relevant data found.

**Mutagenicity**

In vitro genetic toxicity studies were negative.

**Aspiration Hazard**

Based on physical properties, not likely to be an aspiration hazard.

**12. ECOLOGICAL INFORMATION**

*Ecotoxicological information appears in this section when such data is available.*

**General Information**

There is no data available for this product.

**Ecotoxicity****Octylphenoxyethoxyethanol****Acute toxicity to fish**

Material is slightly toxic to aquatic organisms on an acute basis (LC50/EC50 between 10 and 100 mg/L in the most sensitive species tested).

LC50, Pimephales promelas (fathead minnow), 96 Hour, > 60 mg/l

**Acute toxicity to aquatic invertebrates**

LC50, Daphnia magna, 48 Hour, > 1,000 mg/l

**Toxicity to bacteria**

IC50, Bacteria, 16 Hour, Respiration rates., 1,000 - 2,400 mg/l

**Persistence and degradability****Octylphenoxyethoxyethanol**

**Biodegradability:** Based on stringent OECD test guidelines, this material cannot be considered as readily biodegradable; however, these results do not necessarily mean that the material is not Biodegradable under environmental conditions.

**Theoretical Oxygen Demand:** 1.9 - 1.95 mg/mg Estimated.

**Chemical Oxygen Demand:** 2.0 mg/mg Estimated.

**Bioaccumulative potential****Octylphenoxyethoxyethanol**

**Bioaccumulation:** No relevant data found.

**Mobility in Soil****Octylphenoxyethoxyethanol**

No relevant data found.

**Results of PBT and vPvB assessment****Octylphenoxyethoxyethanol**

This substance has not been assessed for persistence, bioaccumulation and toxicity (PBT).

Other adverse effects

**Octylphenoxyethoxyethanol**

This substance is not on the Montreal Protocol list of substances that deplete the ozone layer.

**13. DISPOSAL CONSIDERATIONS**

**Disposal methods:** Retail packs: dilute with water and flush down sewer. Large commercial quantities: Coagulate the emulsion by the stepwise addition of ferric chloride and lime. Remove the clear supernatant and flush to a chemical sewer. For disposal, incinerate or landfill at a permitted facility in accordance with local, state, and federal regulations.

Waste handling, treatment and disposal practices must be in compliance with the New Zealand Hazardous Substances (Disposal) Notice 2017. Additional local requirements may be applicable in accordance with planning controls under the Resource Management Act. Regulations concerning waste management may vary in different locations.

This product when disposed of in its unused and uncontaminated state should be treated as a non-hazardous waste.

## 14. TRANSPORT INFORMATION

**Classification for ROAD and Rail transport:**

Not regulated for transport

**Classification for SEA transport (IMO-IMDG):**

Not regulated for transport

**Transport in bulk** Consult IMO regulations before transporting ocean bulk according to Annex I or II of MARPOL 73/78 and the IBC or IGC Code

**Classification for AIR transport (IATA/ICAO):**

Not regulated for transport

**Hazchem Code**

None Allocated

This information is not intended to convey all specific regulatory or operational requirements/information relating to this product. Transportation classifications may vary by container volume and may be influenced by regional or country variations in regulations. Additional transportation system information can be obtained through an authorized sales or customer service representative. It is the responsibility of the transporting organization to follow all applicable laws, regulations and rules relating to the transportation of the material.

## 15. REGULATORY INFORMATION

**New Zealand. Inventory of Chemical Substances**

The hazardous components of this product are listed in the New Zealand Inventory of Chemicals (NZIoC) or the product otherwise complies with the requirements of the Hazardous Substances and New Organisms (HSNO) Act 1996.

**Australia: AICS:** All of the significant ingredients in this product are compliant with NICNAS Regulations.

**HSNO Controls**

Certified Handler not required.

Tracking hazardous substance not required.

Refer to the Health and Safety at Work (Hazardous Substances) Regulations 2017, for further information.



**16. OTHER INFORMATION****Full text of other abbreviations**

AICS - Australian Inventory of Chemical Substances; ANTT - National Agency for Transport by Land of Brazil; ASTM - American Society for the Testing of Materials; bw - Body weight; CMR - Carcinogen, Mutagen or Reproductive Toxicant; CPR - Controlled Products Regulations; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; Nch - Chilean Norm; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NOM - Official Mexican Norm; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TDG - Transportation of Dangerous Goods; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative; WHMIS - Workplace Hazardous Materials Information System.