



MATERIAL SAFETY DATA SHEET

Not classified as hazardous according to criteria of Work safe Australia.

RISK PHRASES: R36/37: Irritating to eyes and respiratory system.

SAFETY PHRASES: S25: Avoid contact with eyes. S23: Do not breathe fumes/vapour. S26: In case of contact with eyes, rinse immediately with plenty of water and contact a doctor or Poisons Information Centre 131126. S29: Do not empty into drains.

PRODUCT NAME: UPPER CAVITY RUST SEALANT
Company Name MotorOne Group Pty Ltd
Telephone/Fax Tel: (03) 8809 2700
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MSDS REF: Upper Cavity Rust Sealant
 ISSUE DATE: 1st August 2013

IDENTIFICATION

OTHER NAME: (WATERBASED UPPER CAVITY RUST SEALANT)

Dangerous Goods Class NA
 Subsidiary Risk Class NA
 Packaging Group NA
 Hazchem NA
 Poison Schedule NA
 EPG NA

USE: As a cavity (tubular section) rust preventative for Automotive rustproofing treatment.

PHYSICAL PROPERTIES / DESCRIPTION

Appearance: Light brown opaque, fluid, characteristic odour

Key

Flammability: Not flammable
Melting Point: 0°C
Boiling Point: 100°C
Flash Point: Unknown
Vapour Pressure: 10mm Hg @23°C
Volatiles: 65%
Vapour Density: Unknown
Flammability Limits: Unknown
pH as supplied: 8.5-10
Specific Gravity: 1.02
Solubility in water: Miscible only in bulk – once film fully dry insoluble.

Hazard Category

Xn Harmful
 T Toxic
 T+ Very toxic
 Xi Irritant
 C Corrosive
 C+ Very corrosive

HAZARDOUS INGREDIENTS

<u>Number</u>	<u>Proportion</u>	<u>CAS Category</u>
Acrylic copolymer irritant	-	10-30% Xi –
Bitumen (Petroleum)	[8052-42-4]	< 10% Xi – irritant
Bitumen (Petroleum)	[84742-93-4]	< 10% Xi – irritant
Petroleum hydrocarbons harmful	[64743-01-7]	< 10% Xn –
Petroleum hydrocarbons	[64742-53-6]	< 10% Xi – irritant
Paraffin waxes	[8002-74-2]	< 10%
Polycyclic Aromatic Hydrocarbons (PAH) Cat 2.	various	< 0.5% Carcinogen
Morpholine harmful	[110-91-8]	< 1% Xi –
Mixed thiazolines irritant	[26172-55-4]	< 0.1% Xi –

Balance of formulation consists of other ingredients determined not to be hazardous.

HEALTH EFFECTS:

<u>Swallowed:</u>	Practically non-harmful. However ingestion of large amounts may result in abdominal pain, nausea or vomiting.
<u>Eye:</u>	A mild irritant.
<u>Skin:</u>	Not irritation to the skin. However repeated or prolonged contact may result in irritation or dermatitis in some individuals.
<u>Inhalation:</u>	Not normally an inhalation risk at ambient temperature. If misted, may cause respiratory irritation.

CHRONIC EXPOSURE

FIRST AID:

<u>Swallowed:</u>	Thoroughly rinse mouth with water. Give water to drink to dilute product. Do NOT induce vomiting. Contact Poisons Information Centre – 131126.
<u>Eye:</u>	Hold eyes open, flood with water for at least 15 minutes including under eyelids; seek medical advice.

More...

<u>Skin:</u>	Remove contaminated clothing and wash before re-use. Wash off skin with soap and water. Seek medical assistance if irritation persists.
<u>Inhalation:</u>	Remove victim from exposure, keep warm and at rest. Avoid becoming a casualty. Seek medical attention.

Advice to Doctor:

TOXICITY

Acrylic copolymer	not considered toxic
Bitumen (Petroleum)	Not considered toxic – LD ₅₀ >2000mg/kg.
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Petroleum hydrocarbons	Acute Oral LD ₅₀ (rat)>5g/kg; Acute Dermal LD ₅₀ (rat)>2g/kg (does not contain PAH)
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Paraffin waxes	No data
PAH	Classed as Carcinogen Category 2.
Morpholine	Oral LD ₅₀ (rat) 1050mg/kg.
Mixed Thiazolines	Acute LD ₅₀ rat (Oral) 3875mg/kg. Acute Dermal LD ₅₀ rat>5,000mg/kg

PRECAUTIONS FOR USE

RISK PHRASES:

R36/37: Irritating to eyes and respiratory system.

EXPOSURE LIMITS:

Not established for the product. However for Morpholine 20ppm 71mg/m³ TWA. All references regarding petroleum hydrocarbons and bitumen refer specifically to fumes. This product atomised must be controlled – the exposure standard of 5mg/m³ is believed adequate to protect workers exposed to bitumen fumes. Therefore we recommend 5mg/m³ be adopted for the product.

VENTILATION:

Use in well-ventilated area. Control airborne contamination below exposure guidelines using local exhaust at >20m³/min.

PERSONAL PROTECTION:

Avoid unnecessary contact as good work practice. Eye protection – use safety goggles (preferably) or safety glasses. Wash contaminated clothing and protective equipment before storing and re-use. Wash hands before eating, smoking or using the toilet.

ENGINEERING CONTROLS:

If used in limited ventilation, ensure adequate ventilation to maintain exposure levels are kept below standards by using a local exhaust.

FLAMMABILITY:

Product is not flammable.

SAFE HANDLING INFORMATION

SAFETY RISK PHRASES:

S25: Avoid contact with eyes. S23: Do not breathe fumes/vapour. S26: In case of contact with eyes, rinse immediately with plenty of water and contact a doctor or Poisons Information Centre – 131126. S29: Do not empty into drains.

STORAGE & TRANSPORT:

Not classified as a dangerous substance for purpose of transport. Not to be loaded with 'dangerous when wet' substances (Class 4.3), Oxidising Agents (Class 5), or Foodstuffs. Store in cool well ventilated area.

INCOMPATIBILITY

Class 4.3, Class 5. Store only in original or approved containers.

SPILLS

Contain liquid. Prevent liquid from entering storm water drains, basements or

work pits.

drums correctly. Wear protective goggles to prevent eye contamination.
Absorb spill with soil/sand and recover material into mild steel drums. Label

DISPOSAL

Dispose of in compliance with local government regulations.
Refer to State Land Waste Management Authority. Empty containers must be decontaminated. Normally suitable for disposal at approved land waste site.

HAZARDOUS POLYMERISATION

Will not occur.

HAZARDOUS DECOMPOSITION

Will decompose around 170-180°C dependent on time and temperature, resulting in carbon monoxide and carbon dioxide.

FIRE / EXPLOSION HAZARD

Nil. Toxic gases - oxides of carbon emitted CO_x. Fire fighters to wear self contained breathing apparatus.

EXTINGUISHING MEDIA

Foam, Carbon dioxide, Dry Chemical Powder, and Water fog.

AQUATIC TOXICITY

DISCLAIMER: The information presented herein has been compiled from sources considered to be dependable and is accurate to the best of seller's knowledge, however seller makes no warranty whatsoever, expressed, implied or of merchantability regarding the accuracy of such data or the results to be obtained from the use thereof. Seller assumes no responsibility for injury to buyer or third persons or for any damage to property. Buyer assumes all risks.

CONTACT POINT:

Prepared by: Six Star Solutions
Signed:

POISONS INFORMATION CENTRE - 131126
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