

SAFETY DATA SHEET

Item Code: W99P38

Section 1. Identification of the material and the supplier

Item Code: W99P38
 Product: Coil Guard
 Product Use:

New Zealand Supplier: Realcold Ltd
 Address: 9 Prescott Street
 Penrose, Auckland
 Telephone: 09 526 5700
 Fax Number: 09 526 5721
Emergency Telephone: 09 526 5700
0800 766 764 (National Poison Centre)

Manufacturer: Speciality Chemical Manufacturing, 1633-B High Bridge Rd
 Florida, USA

Date of MSDS Preparation: 13 February 2012 – ver 1

Section 2. Hazards Identification

This substance is hazardous according to the *HSNO (Minimum Degrees of Hazard) Regulations 2001*

Group Standard & EPA Approval Code: See above. Not allocated
 Pictograms



Flammable



Toxic



Chronic

HSNO Class.	Hazard Code	Hazard Statement	EU Risk Phrases
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3.1B	H225	Highly flammable liquid and vapour.	R11
6.1E (oral)	H303	May be harmful if swallowed.	R22
6.3A	H315	Causes skin irritation.	R38
6.4A	H320	Causes eye irritation.	R36
6.7B	H351	Suspected of causing cancer	R45
6.8B	H361	Suspected of damaging fertility or the unborn child ...	R62/R63
6.9B	H373	May cause damage to organs ...	R48

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(Repeated exposure)		<or state all organs affected, if known> through prolonged or repeated exposure ...	
9.1D	H402	Harmful to aquatic life.	R53
9.3C	H433	Harmful to terrestrial vertebrates.	None allocated

Prevention Code Prevention Statement

P102	Keep out of reach of children.
P103	Read label before use.
P104	Read safety data sheet before use
P202	Do not handle until all safety precautions have been read and understood.
P210	Keep away from heat, sparks, open flames and hot surfaces. No smoking.
P233	Keep container tightly closed.
P242	Use only non-sparking tools.
P243	Take precautionary measures against static discharge.
P260	Do not breathe fumes
P264	Wash hands thoroughly after handling.
P273	Avoid release to the environment.
P280	Wear protective clothing including gloves and eye protection

Response Code Response Statement

P101	If medical advice is needed, have product container or label at hand.
P312	Call a POISON CENTER or doctor/physician if you feel unwell.
P331	Do NOT induce vomiting.
P362	Take off contaminated clothing and wash before re-use.
P303 + P361+P353	IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
P305 + P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P370 + P378	In case of fire: Use CO2 dry chemical foam water fog for extinction

Storage Code Storage Statement

P405	Store locked up.
P403 + P235	Store in a well-ventilated place. Keep cool.

Disposal Code Disposal Statement

P501	Triple rinse or crush empty container before disposal if not recycled.
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Section 3. Composition / Information on Ingredients

Ingredients	Wt%	CAS NUMBER.
Ethyl Benzene	15%	100-41-4
Toluene	20%	108-88-3
Xylene	55%	1330-20-7
Non hazardous ingredients	To balance	Not applicable

Section 4. First Aid Measures

Routes of Exposure:

If in Eyes	Immediately flush eyes with gentle but large stream of water for at least 15 minutes, lifting lower and upper eyelids occasionally. Call a physician immediately.
If on Skin	Remove contaminated clothing and wash skin with warm soapy water. If irritation occurs, get medical assistance
If Swallowed	If swallowed, DO NOT induce vomiting. Give victim one or two glasses of milk or water. Call a physician if required. Never give anything by mouth to an unconscious person.
If Inhaled	Remove person to fresh air. Remove contaminated clothing and loosen remaining clothing. Allow person to assume most comfortable position and keep warm. Keep at rest until fully recovered. Get medical advice if breathing becomes difficult.

Section 5. Fire Fighting Measures

Hazard Type	Flammable liquid or vapour
Hazards from decomposition products	Carbon monoxide, carbon dioxide. Keep containers tightly closed. Isolate from heat, electrical equipment, sparks, open flame, and other sources of ignition. Closed containers may rupture when exposed to extreme heat. Use water spray to keep fire exposed containers cool.
Suitable Extinguishing media	CO2, dry chemical foam or water fog
Precautions for firefighters and special protective clothing	Wear full firefighting protective clothing, including self-contained breathing apparatus (SCBA). Water spray may be ineffective. If water is used, fog nozzles are preferable. During a fire, irritating and/or toxic gases and particulate may be generated by thermal decomposition or combustion.
HAZCHEM CODE	3YE

Section 6. Accidental Release Measures

Keep non-essential personnel a safe distance away from the spill area. Remove all sources of ignition (flame, hot surfaces, and electrical, static or friction sparks). Avoid breathing vapors. Use self-contained breathing equipment. Notify appropriate authorities if necessary. Contain and remove with inert absorbent material and non-sparking tools. Avoid contact. Before attempting cleanup, refer to hazard caution information in other sections of the MSDS form.

Section 7. Handling and Storage

Handling Keep closure tight and container upright to prevent leakage. Ground and bond containers when transferring material. Avoid skin and eye contact. Wash thoroughly after handling. Avoid breathing of vapour or spray mists. Do not handle until all safety precautions have been read and understood. Empty containers should not be re-used. Use with adequate ventilation. Because empty containers may retain product residue and flammable vapours, keep away from heat, sparks and flame; do not cut, puncture or weld on or near the empty container. Do not smoke where this product is used or stored.

Storage Do not store or use near heat, sparks, or open flame. Refer to OSHA 29 CFR Part 1910.106 "Flammable and Combustible Liquids" for specific

storage requirements. Store only in well-ventilated areas. Do not puncture, drag, or slide container. Keep container closed when not in use.

Section 8	Exposure Controls / Personal Protection
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WORKPLACE EXPOSURE STANDARDS (provided for guidance only)

Substance	CAS #	TWA		STEL	
		ppm	mg/m3	ppm	mg/m3
Ethyl benzene	[100-41-4]	100	434	125	543
Xylene	[1330-20-7]	50	217		

Workplace Exposure Standard – Time Weighted Average (WES-TWA). *The time-weighted average exposure standard designed to protect the worker from the effects of long-term exposure.* Workplace Exposure Standard – Short-Term Exposure Limit (WESSTEL). *The 15-minute average exposure standard.* Applies to any 15- Minute period in the working day and is designed to protect the worker against adverse effects of irritation, chronic or irreversible tissue change, or narcosis that may increase the likelihood of accidents. The WES-STEL is not an alternative to the WES-TWA; both the short-term and time-weighted average exposures apply.

Engineering Controls

Sufficient ventilation in pattern and volume should be provided in order to maintain air contaminant levels below recommended exposure limits. Caution: Solvent vapors are heavier than air and collect in lower levels of the work area. Sufficient ventilation (Using explosionproof equipment) should be provided to prevent flammable vapor/air mixtures from accumulating.

Personal Protection :

- Respiratory: Use a NIOSH/MSHA approved chemical/mechanical filter respirator designed to remove a combination of particulates and organic vapor if occupational limits are exceeded. For emergency situations, confined space use, or other conditions where exposure limits may be greatly exceeded, use an approved air supplied respirator. Observe OSHA regulations (29 CFR 1910.134) for respirator use.
- Skin: Use neoprene, nitrile, or rubber gloves to prevent skin contact.
- Eye: Use safety eyewear including safety glasses with side shields and chemical goggles where splashing may occur.
- Other: Use disposable or impervious clothing if work clothing contamination is likely. Remove and wash contaminated clothing before reuse.
- Hygienic: Wash hands before eating, smoking, or using toilet facility. Do not smoke in any chemical handling or storage area. Food or beverages should not be consumed anywhere this product is handled or stored. Wash thoroughly after handling.

Section 9	Physical and Chemical Properties
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Appearance	Clear Liquid
Odour	Solvent
Flash Point	7.2°C
Boiling Point	111-138°C
Lower & Upper Flammability Limits	1-7%
Auto-ignition Temperature	Not Determined
Percent Volatile by weight	82.5%
Vapor Density:	Is heavier than air
Specific Gravity	0.92
Solubility in Water	Insoluble
Evaporation Rate	Is slower than ether

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Section 10. Stability and Reactivity

Stability of Substance	Stable under normal conditions
Conditions to Avoid	High temperatures. Sources of ignition.
Incompatible Materials	Strong acids, bases, and strong oxidizers.
Hazardous Decomposition Products	Carbon monoxide, carbon dioxide.

Section 11 Toxicological Information

Ethyl Benzene	[Cas No 100-41-1]	oral:	LD50 (rat)	=	3500 mg/kg
		Inhalation:	LC50 (rat)	=	9.6 mg/L
Toluene	[Cas No 108-88-3]	oral:	LD50 (rat)	=	636 mg/kg
		Inhalation:	LC50 (rat)	=	12.5 – 28.8 mg/L
Xylene	[Cas No 1330-20-7]	oral:	LD50(mouse)	=	1590 mg/kg
		Inhalation:	LC50(rat)	=	6350 ppm

Emergency overview: Clear Liquid, with Solvent odor. Flammable liquid and vapor. Harmful if absorbed through skin. May cause skin and eye irritation. May cause respiratory tract irritation. Vapor harmful; may affect the brain or nervous system causing dizziness, headache or nausea.

Effects of overexposure:

Eye contact: May cause eye irritation.

Skin contact: May be absorbed through the skin in harmful amounts. May cause skin irritation. May cause dermatitis.

Inhalation: Possible irritation of the respiratory system can occur causing a variety of symptoms such as dryness of the throat, tightness of the chest, and shortness of breath. May cause central nervous system depression characterized by the following progressive steps: Headache, dizziness, staggering gait, confusion, unconsciousness or coma.

Ingestion: Harmful if swallowed. Ingestion is not expected route of entry in industrial or commercial uses.

Chronic hazards: May cause liver or kidney damage. Repeated or prolonged solvent overexposure may result in permanent central nervous system damage. May affect the gastrointestinal system. May affect the flood and blood-forming organs. Chronic skin contact may cause dermatitis.

Section 12. Ecotoxicological Information

Harmful to aquatic life
Harmful to terrestrial vertebrates.

Section 13. Disposal Considerations

Disposal should be done in accordance with local environmental control regulations. If waste is determined to be hazardous, use licensed hazardous waste transporter and disposal facility.

Section 14 Transport Information

Classified as a Dangerous Good for transport

Road and Rail Transport (in NZ ; NZS 5433:2007)

UN No: 1866

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Class-primary 3
Packing Group II
Proper Shipping Name: Resin Solution

Air Transport

UN No: 1866
Class-primary 3
Packing Group II
Proper Shipping Name: Resin Solution

Marine Transport

UN No: 1866
Class-primary 3
Packing Group II
Proper Shipping Name: Resin Solution

Section 15 Regulatory Information

ERMA Approval Code: **Insufficient information to allocate to a Group Standard**

HSNO Classification: 3.1B, 6.1E, 6.3A, 6.4A, 6.7B, 6.8B, 6.9B, 9.1D, 9.3C

HSNO Controls & Trigger quantities for this substance:

	Trigger Quantity
Approved Handler	250L ≥ if container ≥ 5L 500L ≥ if container ≤ 5L
Location Certificate	100L (>5L), 250L (<5L); 50L open.
Tracking Trigger Quantities	Not applicable
Signage Trigger Quantities	250L
Emergency Response Plan trigger Quantities	1000L

Section 16 Other Information

1. HSNO Approved Code of Practice: Preparation of Safety Data Sheets, September 2006.

Disclaimer

This document has been issued by Realcold Limited and serves as their Safety Data Sheet ('SDS'). It is based on information concerning the product which has been provided to Realcold Limited or obtained from third party sources and is believed to represent the current state of knowledge as to the appropriate safety and handling precautions for the product at the time of issue. Further clarification regarding any aspect of the product should be obtained directly from the manufacturer. While Realcold Limited have taken all due care to include accurate and up-to-date information in this SDS, it does not provide any warranty as to accuracy or completeness. As far as lawfully possible, Realcold Limited accept no liability for any loss, injury or damage (including consequential loss) which may be suffered or incurred by any person as a consequence of their reliance on the information contained in this SDS

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Please contact the New Zealand distributor, Realcold Ltd, if further information is required.

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