

SAFETY DATA SHEET

Item Code: N0062

Section 1.	Identification of the material and the supplier
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Item Code:	N0062
Product:	Coil Guard Aerosol
Product Use:	Metal Coating
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:	Environmental Industries International, Inc 445 North A1A, Florida
Date of MSDS Preparation:	14 March 2017 – ver 2

Section 2.	Hazards Identification
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This substance is hazardous according to the *HSNO (Minimum Degrees of Hazard) Regulations 2001*

Hazard classification is based on solvents only. Hazards related to acrylic monomers are not disclosed by the manufacturer.

Group Standard & EPA Approval Code: Aerosols (Flammable) – HSR002515

Pictograms



Flammable



Toxic



Chronic

HSNO Class.	Hazard Code	Hazard Statement	EU Risk Phrases
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2.1.2A (2)	H223	Flammable aerosol.	R10
3.1B	H225	Highly flammable liquid and vapour.	R11
6.1D (oral)	H302	Harmful if swallowed.	R22
6.1D (inhalation-gases)	H332	Harmful if inhaled.	R20
6.3A	H315	Causes skin irritation.	R38

6.4Af	H319	Causes serious eye irritation.	R41
6.8B	H361	Suspected of damaging fertility or the unborn child ...	R62/R63
6.9A (Repeated exposure)	H372	Causes damage to organs ... <or state all organs affected, if known> through prolonged or repeated exposure ...	R48
6.9B (Repeated exposure)	H373	May cause damage to organs could cause irritation to the respiratory tract, enlarged liver, kidney effect and cardiac sensitization through prolonged or repeated exposure ...	R48
9.1D	H402	Harmful to aquatic life	R53
9.3C	H433	Harmful to terrestrial vertebrates.	

Prevention Code Prevention Statement

P102	Keep out of reach of children.
P103	Read label before use.
P104	Read safety data sheet before use
P201	Obtain special instructions 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.
P241	Use explosion-proof electrical
P242	Use only non-sparking tools.
P243	Take precautionary measures against static discharge.
P251	Pressurized container: Do not pierce or burn, even after use.
P260	Do not breathe fumes, gas or vapours.
P264	Wash hands thoroughly after handling.
P270	Do not eat, drink or smoke when using this product.
P271	Use only outdoors or in a well-ventilated area.
P273	Avoid release to the environment.
P280	Wear protective clothing

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.
P330	Rinse mouth.
P331	Do NOT induce vomiting.
P338	Remove contact lenses, if present and easy to do. Continue rinsing.
P362	Take off contaminated clothing and wash before re-use.
P301 + P312	IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
P302 + P352	IF ON SKIN: Wash with plenty of soap and water.
P303 + P361+P353	IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
P304 + P340	IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing.
P305 + P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P308 + P313	IF exposed or concerned: Get medical advice/ attention.
P332 + P313	If skin irritation occurs: Get medical advice/ attention.
P337 + P313	If eye irritation persists: Get medical advice/attention.

P370 + P378	In case of fire: Use polar solvent (alcohol) foam, carbon dioxide, water spray or dry chemical for extinction
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Storage Code Storage Statement

P405	Store locked up.
P403 + P235	Store in a well-ventilated place. Keep cool.
P410 + P412	Protect from sunlight. Do not expose to temperatures exceeding 50 °C.

Disposal Code Disposal Statement

P501	Do not puncture or burn. Dispose as hazardous waste
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Section 3. Composition / Information on Ingredients

Ingredients	Wt%	CAS NUMBER.
Toluene	>60	108-88-3
LPG (propellant)	10-20	68476-85-7
Benzene	0.03	71-43-2
Acrylic monomer	Not disclosed	Not disclosed

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. Do not scrub. If swelling, redness, blistering or irritation occurs, get medical assistance
If Swallowed	If swallowed, call a physician immediately. DO NOT induce vomiting. Give 2 glasses of water or milk. Careful gastric lavage may be indicated. 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 Aerosol
Hazards from decomposition products	Vapors can travel to a source of ignition and flash back. Heated material can form flammable or explosive vapors with air. Toxic fumes are generated when material is exposed to fire or fire conditions.
Suitable Extinguishing media	Polar solvent (alcohol) foam, carbon dioxide, water spray, dry chemical. Use water spray to cool containers exposed to fire.
Precautions for firefighters and special protective clothing	As in any fire, wear full protective clothing and NIOSH approved, self-contained breathing apparatus with full face piece operated in the pressure demand or other positive pressure mode.
HAZCHEM CODE	2YE

Section 6. Accidental Release Measures

Evacuate spill area. Eliminate all ignition sources. Floor may be slippery. Ventilate the spill area. Avoid breathing vapor. Contain spill immediately with inert materials (sand, earth). Transfer liquids and solid diking material to separate suitable containers for recovery or disposal. CAUTION: Keep spills and cleaning runoff out of municipal sewers and open bodies of water. NOTE: Spills on porous surfaces can contaminate groundwater.

Section 7. Handling and Storage

Handling

Monomer vapors can be evolved when material is heated during processing operations. See Section 8 for types of ventilation required. Ground all containers when transferring material.

Storage

DANGER: CONTENTS UNDER PRESSURE. This product is packaged in pressurized aerosol cans. Do not puncture or incinerate container. Material can burn; limit indoor storage to approved areas equipped with automatic sprinklers. Store away from excessive heat (e.g. steampipes, radiators), from sources of ignition and from reactive materials. Ground all metal containers during storage and handling. The minimum recommended storage temperature for this material is -18°C. The maximum recommended storage temperature for this material is 49°C

Other

CONTAINERS HAZARDOUS WHEN EMPTY. Since emptied containers retain product residue (vapors and/or liquid) follow all MSDS and label warnings even after container is emptied. Residual vapors in empty containers may explode on ignition. DO NOT cut, drill, grind or weld on or near container.

Section 8 Exposure Controls / Personal Protection

WORKPLACE EXPOSURE STANDARDS (provided for guidance only)

Substance	CAS #	TWA		STEL	
		ppm	mg/m3	ppm	mg/m3
Toluene	108-88-3	50	188		
Benzene	71-43-2	5	16		

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

Use in a well ventilated area. Do not use in confined spaces. Local, mechanical exhaust may be necessary.

Personal Protection

Respiratory protection: A respiratory protection program meeting OSHA 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant a respirator's use. None required if airborne concentrations are maintained below the TWA/TLV's listed. Wear NIOSH/MSHA approved respirator where required. For New Zealand use a type A vapour cartridge.

Eye protection: Use chemical splash goggles and face shield (ANSI Z87.1 or approved equivalent).

Hand protection: Wear impervious protective gloves. Gloves made of polyvinyl alcohol or Viton are good suggestions. Check with the glove manufacturer for specific chemical resistance.

Other protection: Use chemically resistant apron or other impervious clothing to avoid prolonged or repeated skin contact.

Section 9 Physical and Chemical Properties

Appearance	Blue Liquid
Odour	Aromatic solvent odor.
Flash Point	7.2°C
Boiling Point	110°C
Auto-ignition Temperature	480°C
Vapour Pressure	22 mm Hg @ 20°C Toluene
Vapor density:	3.6 Toluene
Specific Gravity	0.9
Solubility in Water	Practically insoluble

Section 10. Stability and Reactivity

Stability of Substance	Stable
Conditions to Avoid	Ignition sources (sparks, open flame, heated surfaces).
Incompatible Materials	Oxidizing materials.
Hazardous Decomposition Products	Thermal decomposition may yield acrylic monomers.

Section 11 Toxicological Information

Acute data:

Toluene Cas No: 108-88-3	Oral LD50 – rat: >5000 mg/kg, Dermal LD50 rabbit: >3000 mg/kg, Eye Irritation – rabbit: severe irritation Skin Irritation – rabbit: moderate irritation Inhalation LCLo – rat: 4000 ppm for 4 hr.
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Reproductive/teratology data:

Toluene Cas No 108-88-3 has demonstrated to be embryofetotoxic and teratogenic in laboratory animals.

Primary Routes of Exposure:

Inhalation, Eye Contact, Skin Contact, Dermal Absorption

Potential Health Effects:

Eye contact:	Severe irritation; corneal clouding.
Skin contact:	Moderate skin irritation; defatting and drying of the skin which can lead to irritation and dermatitis.
Inhalation:	Irritation of the nose, throat, and lungs; headache, nausea, vomiting, dizziness, drowsiness, fatigue, loss of coordination, unconsciousness. Inhalation of high solvent vapor or mist concentrations can cause coma or death.
Ingestion:	Possibly harmful if swallowed. Can cause gastrointestinal irritation, nausea, vomiting, or diarrhea.

Delayed effects: Prolonged or repeated overexposure to solvents can cause irritation to the respiratory tract, enlarged liver, kidney effects, cardiac sensitization.

Section 12. Ecotoxicological Information

No information available.

Section 13. Disposal Considerations

Dispose of container and unused contents in accordance with Local Regulations. Do not puncture or burn container.

Section 14 Transport Information

Classified as a Dangerous Good for transport

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

UN No: 1950
Class-primary 2.1
Packing Group None allocated
Proper Shipping Name: AEROSOLS (FLAMMABLE)

Air Transport

UN No: 1950
Class-primary 2.1
Packing Group None allocated
Proper Shipping Name: AEROSOLS (FLAMMABLE)

Marine Transport

UN No: 1950
Class-primary 2.1
Packing Group None allocated
Proper Shipping Name: AEROSOLS (FLAMMABLE)

Section 15 Regulatory Information

EPA Approval Code: Aerosols (Flammable) Group Standard 2006 – HSR002515

HSNO Classification: 2.1.1A, 3.1B, 6.1D, 6.3A, 6.4A, 6.8B, 6.9A, 6.9B, 9.1D, 9.3C

HSNO Controls:
Trigger quantities for this substance:

	Trigger Quantity
Approved Handler	250 L if container \geq 5L 500 L if container \leq 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
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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.

Issue Date: 25 January 2012

Review Date: 25 January 2017