

SAFETY DATA SHEET

Item Code: N0060

Section 1.	Identification of the material and the supplier
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Item Code:	N0060
Product:	A/Coat – Aerosol
Product Use:	aerosol acrylic surface 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:	A-1 Components Corp, 625 West 18 th Street, Hialeah, Florida, USA
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*

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
6.1E (oral)	H303	May be harmful if swallowed.	R22
6.3A	H315	Causes skin irritation.	R38
6.4Ag (mild irritant)	H320	Causes eye irritation.	R36
6.7B	H351	Suspected of causing cancer	R40

6.8B	H361	Suspected of damaging fertility or the unborn child	R62/R63
6.9B (Repeated exposure)	H373	May cause nervous system damage through prolonged or repeated exposure	R48
9.1D	H402	Harmful to aquatic life	R53
9.3C	H433	Harmful to terrestrial vertebrates.	Not available

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.
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 in fumes, gas or vapours.
P264	Wash hands thoroughly after handling.
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.
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.
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 CO ₂ , 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.
P410 + P412	Protect from sunlight. Do not expose to temperatures exceeding 50 °C.

Disposal Code Disposal Statement

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

Ingredients	Wt%	CAS NUMBER.
Ethyl Benzene	5%	100-41-4
Toluene	15%	108-88-3
Xylene	26%	1330-20-7

Acetone	20%	67-64-1
Propane	15%	74-98-6
Isobutane	10%	75-28-5

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. Get medical assistance if symptoms occur
If Swallowed	If swallowed, call a physician immediately. Do not induce vomiting. Give victim one or two glasses of water or milk. 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	Carbon monoxide, carbon dioxide
Suitable Extinguishing media	CO2, dry chemical, foam, 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	2YE

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 vapours or spray mists. Do not handle until all safety precautions have been read and
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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 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

WORKPLACE EXPOSURE STANDARDS (provided for guidance only)

Substance	CAS #	TWA		STEL	
		ppm	mg/m ³	ppm	mg/m ³
Ethyl benzene	[100-41-4]	100	434	125	543
Xylene	[1330-20-7]	50	217		
Acetone	[67-64-1]	500	1,185	1,000	2,375

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 vapours are heavier than air and collect in lower levels of the work area Sufficient ventilation (Using explosion-proof equipment) should be provided to prevent flammable vapour/air mixtures from accumulating.

Personal Protection

Respiratory : Use an organic vapour A type filter in a filter cartridge mask. Regularly check number of hours and replace as directed.

See NZ Dept of Labour Guideline on respiratory protection

Skin: Use neoprene, nitrile, or rubber gloves to prevent skin contact.

Eyes: 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 practices: 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 hands thoroughly after handling.

Section 9 Physical and Chemical Properties

Appearance	Clear Liquid
Odour	Solvent
Flash Point	<6.6°C

Product Name: A/Coat
Date of MSDS: 31 January 2012

Item No:N0060

Issued by: Realcold Ltd
Tel: 64 9 526 5700

Boiling Point	111 – 138°C
Vapour Density	Is heavier than air
Evaporation Rate	Is slower than ether
Density, :	950 g / L
Percent Volatile by weight	93.8%
Specific Gravity	0.96
Solubility in Water	Insoluble
Volatility by volume	95%

Section 10. Stability and Reactivity

Stability of Substance	Stable under normal conditions
Conditions to Avoid	High temperatures and 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
Propane	[Cas No 67-64-1]	oral:	LD50(mouse)	=	3000 mg/kg

Emergency overview: 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: headaches, 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

Do not puncture or burn container. Dispose as hazardous waste

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 Group Standard (Flammable) – HSR002515

HSNO Classification: 2.1.2A, 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-

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Issued by: Realcold Ltd

Date of MSDS: 31 January 2012

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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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