

Material Safety Data Sheet

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name : PSC-1000 2K CLEARCOAT
Product Use Description : Solvent-borne coatings, Primers
Company : PRO-SPRAY
An Alco Industries Company
600 Nova Drive, S.E.
Massillon, Ohio 44646
Phone : 330-830-6000
Fax : 330-830-6005
For Chemical Emergency : CHEMTREC: 1-800-424-9300
CANUTEC: 1-613-996-6666 (For Canada Call Collect)

SECTION 2. HAZARDS IDENTIFICATION

Emergency Overview

Regulatory status : This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).
Signal Word : DANGER
Form : aerosol
Odour : characteristic
Odour - Control parameters : no data available
Hazard Summary : Sensitizer
May cause fire.
Flammable Aerosol
Pressurized container. Protect from sunlight and do not expose to temperatures exceeding 50°C / 122 °F.
Irritant

Potential Health Effects

Eyes : Causes eye irritation.
Skin : May cause skin irritation.
Inhalation : May cause allergic respiratory reaction. Causes respiratory tract irritation.
Target Organs: Skin, Central nervous system, Eyes
Carcinogenicity:
ACGIH: ethylbenzene (CAS-No.: 100-41-4)
NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.
IARC: ethylbenzene (CAS-No.: 100-41-4)
OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.
CA Prop 65: WARNING! This product contains a chemical known in the State of California to cause cancer.
ethylbenzene (CAS-No.: 100-41-4)

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS-No.	Weight %
dimethyl ether	115-10-6	>= 45 - < 50
acetone; propan-2-one; propanone	67-64-1	>= 25 - < 35
Hexane, 1,6-diisocyanato-, homopolymer	28182-81-2	>= 7 - < 10
n-butyl acetate	123-86-4	>= 5 - < 7
2-methoxy-1-methylethyl acetate	108-65-6	>= 2 - < 3
heptan-2-one; methyl amyl ketone	110-43-0	>= 1 - < 1.5
xylene	1330-20-7	>= 1 - < 1.5
ethylbenzene	100-41-4	>= 1 - < 1.5

SECTION 4. FIRST AID MEASURES

General advice:	Move out of dangerous area. Never give anything by mouth to an unconscious person. In the case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). When symptoms persist or in all cases of doubt seek medical advice. Take off all contaminated clothing immediately. Inhalation: Remove to fresh air. Keep patient warm and at rest. If breathing is irregular or stopped, administer artificial respiration. If symptoms persist, call a physician. Skin contact: Wash off immediately with soap and plenty of water. Do NOT use solvents or thinners. Eye contact: Remove contact lenses. In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Irrigate copiously with clean, fresh water for at least 10 minutes, holding the eyelids apart. Ingestion: If a person vomits when lying on his back, place him in the recovery position. Clean mouth with water and drink afterwards plenty of water. Ingest activated charcoal. If swallowed, seek medical advice immediately and show this container or label.
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SECTION 5. FIRE-FIGHTING MEASURES

Form	Aerosol
Flashpoint	<0°C (<32°F)
Ignition temperature	365°C (689°F)
Lower explosion limit	1.4% (V)
Upper explosion limit	8.5% (V)
Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide
Extinguishing media which must not be used for safety reasons	High volume water jet
Specific hazards during fire fighting	Fire will produce dense black smoke containing hazardous combustion products (see heading 10). Do not use a solid water stream as it may scatter and spread fire.
Special protective equipment for	Use personal protective equipment. Wear self-contained fire-fighters breathing apparatus for fire fighting if necessary.

Further information:

Use water spray to cool unopened containers. Exposure to decomposition products may be a hazard to health. Standard procedure for chemical fires. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions	Ventilate the area. Remove all sources of ignition. Avoid inhalation of vapour or mist. Refer to protective measures listed in sections 7 and 8.	
Environmental precautions	Should not be released into the environment. Avoid subsoil penetration. If the product contaminates rivers and lakes or drains, inform respective authorities.	
Methods for cleaning up	Contain and collect spillage with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local/national regulations.	
CERCLA Hazardous substances and corresponding RQs	115-10-6	100 lbs final RQ
	67-64-1	5,000 lbs final RQ
	123-86-4	5,000 lbs final RQ
	1330-20-7	100 lbs final RQ
	100-41-4	1000 lbs final RQ

SECTION 7. HANDLING AND STORAGE

Handling	Do not breathe vapours or spray mist. Avoid contact with skins and eyes. Take precautionary measures against static discharges. Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. Limit the stock at work place. Do not spray on a naked flame or any other incandescent material. Use only in well-ventilated areas. For personal protection see section 8.	
Advice on protection against fire and explosion	Keep away from heat and sources of ignition. Do not smoke. Vapours may form explosive mixtures with air. Vapours are heavier than air and may spread along floors. Electrical equipment should be protected to the appropriate standard.	
Dust explosion class	Not applicable.	
Storage		
Requirements for storage areas and containers	BEWARE: Aerosol is pressurized. Keep away from direct sun exposure and temperatures over 50°C/122°F. Do not open by force or throw into fire even after use. Do not spray on flames or red-hot objects. Please observe the storage instructions for aerosols.	
Advice on common storage	Keep away from food, drink, and animal feeding stuffs. Keep away from oxidising agents and strongly acid or alkaline materials.	
Storage period	24 months	
Storage temperature	5 – 30°C (41 – 86°F)	
Other data	No decomposition if stored and applied as directed.	

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines

Components	CAS-No.	List	Type:	Value	
dimethyl ether acetone; propan-2-one; propanone	115-10-6	WEEL	TWA	1,000 ppm	1,880 mg/m3
		ACGIH	TWA	500 ppm	
	67-64-1	ACGIH	STEL	750 ppm	
		NIOSH	REL	250 ppm	590 mg/m3
		OSHA Z1	PEL	1,000 ppm	2,400 mg/m3
		OSHA Z1A	TWA	750 ppm	1,800 mg/m3
		OSHA Z1A	STEL	1,000 ppm	2,400 mg/m3
		US CA OEL	TWA PEL		750 ppm1,780 mg/m3
		US CA OEL	Ceiling	3,000 ppm	
		US CA OEL	STEL	1,000 ppm	2,400 mg/m3
n-butyl acetate	123-86-4	ACGIH	TWA	150 ppm	
		ACGIH	STEL	200 ppm	
		NIOSH	REL	150 ppm	710 mg/m3
		NIOSH	STEL	200 ppm	950 mg/m3
		OSHA Z1	PEL	150 ppm	710 mg/m3
		OSHA Z1A	TWA	150 ppm	710 mg/m3
		OSHA Z1A	STEL	200 ppm	950 mg/m3
		US CA OEL	TWA PEL	150 ppm	710 mg/m3
		US CA OEL	STEL	200 ppm	950 mg/m3
		2-methoxy-1-methylethyl acetate	108-65-6	WEEL	TWA
US CA OEL	TWA PEL			100 ppm	541 mg/m3
US CA OEL	STEL			150 ppm	811 mg/m3
heptan-2-one; methyl amyl ketone	110-43-0	ACGIH	TWA	50 ppm	
		NIOSH	REL	100 ppm	465 mg/m3
		OSHA Z1	PEL	100 ppm	465 mg/m3
		OSHA Z1A	TWA	100 ppm	465 mg/m3
		US CA OEL	TWA PEL	50 ppm	235 mg/m3
		ACGIH	TWA	100 ppm	
		ACGIH	STEL	150 ppm	
		OSHA Z1	PEL	100 ppm	435 mg/m3
		OSHA Z1A	TWA	100 ppm	435 mg/m3
		OSHA Z1A	STEL	150 ppm	655 mg/m3
xylene	1330-20-7	US CA OEL	TWA PEL	100 ppm	435 mg/m3
		US CA OEL	Ceiling	300 ppm	
		US CA OEL	STEL	150 ppm	655 mg/m3
		ACGIH	TWA	100 ppm	
		ACGIH	STEL	125 ppm	
		NIOSH	REL	100 ppm	435 mg/m3
		NIOSH	STEL	125 ppm	545 mg/m3
		OSHA Z1	PEL	100 ppm	435 mg/m3
		OSHA Z1A	TWA	100 ppm	435 mg/m3
		OSHA Z1A	STEL	125 ppm	545 mg/m3
ethylbenzene	100-41-4	US CA OEL	TWA PEL	100 ppm	435 mg/m3
		US CA OEL	STEL	125 ppm	545 mg/m3
		ACGIH	TWA	100 ppm	
		ACGIH	STEL	125 ppm	
		NIOSH	REL	100 ppm	435 mg/m3
		NIOSH	STEL	125 ppm	545 mg/m3
		OSHA Z1	PEL	100 ppm	435 mg/m3
		OSHA Z1A	TWA	100 ppm	435 mg/m3
		OSHA Z1A	STEL	125 ppm	545 mg/m3
		US CA OEL	TWA PEL	100 ppm	435 mg/m3
US CA OEL	STEL	125 ppm	545 mg/m3		

Engineering measures : Provide adequate ventilation.

Eye protection : Safety glasses

Hand protection : Choose gloves to protect hands against chemicals depending on the concentration and quantity of the hazardous substance and specific to place of work. For special applications, we recommend clarifying the resistance to chemicals of the aforementioned protective gloves with the glove manufacturer.

Skin and body protection	: impervious clothing
Respiratory protection	: In case of insufficient ventilation wear suitable respiratory equipment. respirator with ABEK filter
Hygiene measures contact with skin, Wash industrial hygiene	: Do not inhale aerosol. When using, do not eat, drink or smoke. Avoid eyes and clothing. Wash hands before breaks and at the end of workday. contaminated clothing before re-use. Handle in accordance with good and safety practice. General industrial hygiene practice.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Form	: aerosol
Odour	: characteristic
Flash point	: < 0 °C (< 32 °F)
Ignition temperature	: 365 °C (689 °F)
Thermal decomposition	: Heating can release hazardous gases. Fire or intense heat may cause violent rupture of packages.
Lower explosion limit	: 1.4 %(V)
Upper explosion limit	: 8.5 %(V)
Vapour pressure	: 3.6 hPa at 20 °C (68 °F)
Density	: 0.85 g/cm ³ at ca.20 °C (68 °F)
Volatile organic compounds (VOC) content	: 61.83 %

SECTION 10. STABILITY AND REACTIVITY

Conditions to avoid	: Heat, flames and sparks.
Materials to avoid	: Strong acids and strong bases Oxidizing agents
Hazardous decomposition	: Carbon dioxide (CO ₂), carbon monoxide (CO), oxides of products nitrogen (NO _x), dense black smoke.
Thermal decomposition	: Heating can release hazardous gases. Fire or intense heat may cause violent rupture of packages.
Hazardous reactions	: Vapours may form explosive mixture with air. Note: No decomposition if used as directed.

SECTION 11. TOXICOLOGICAL INFORMATION

Acute inhalation toxicity:	Irritating to respiratory system.
Skin irritation:	Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in desiccation of the skin.
Eye irritation:	The liquid splashed in the eyes may cause irritation and reversible damage. Strong lachrymation can make it difficult to escape

Carcinogenicity : No data is available on the product itself.
 Toxicity to reproduction : No data is available on the product itself.
 Teratogenicity : No data is available on the product itself.
 Further information : Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhoea.
 Liver and kidney injuries may occur.
 Even the smallest quantities that enter into the lung due to swallowing or subsequent vomiting can lead to a pulmonary oedema or pneumonia.

Component acetone; propan-2-one; 67-64-1 propanone		Acute oral toxicity: LD50 rat
Hexane, 1,6- diisocyanato-, homopolymer	28182-81-2	Acute oral toxicity: LD50 rat Dose: 5,800 mg/kg Acute dermal toxicity: LD50 rabbit Dose: 20,000 mg/kg Acute inhalation toxicity: LC50 rat Dose: 70 mg/l Exposure time: 4 h Skin irritation: Classification: Irritating to skin. Result: Mild skin irritation Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in desiccation of the skin. Eye irritation: Classification: Irritating to eyes. Result: Moderate eye irritation Acute oral toxicity: LD50 rat Dose: > 10,000 mg/kg Acute inhalation toxicity: LD50 rat Dose: 137 - 1,150 mg/m ³ Exposure time: 4 h Isocyanates may cause acute irritation and/or sensitisation of the respiratory system leading to tightness of the chest, wheeziness and an asthmatic condition. Sensitization: May cause sensitization by inhalation.
n-butyl acetate	123-86-4	Acute oral toxicity: LD50 rat Dose: 13,100 mg/kg Acute dermal toxicity: LD50 rabbit Dose: > 14,100 mg/kg Acute inhalation toxicity: LC50 rat Dose: 21 mg/l Exposure time: 4 h Skin irritation: Result: Mild skin irritation Eye irritation: Result: Mild eye irritation
2-methoxy-1-methylethyl acetate	108-65-6	Acute oral toxicity: LD50 mouse Dose: 8,532 mg/kg Acute dermal toxicity: LD50 rabbit Dose: 7,500 mg/kg Eye irritation: Classification: Irritating to eyes. Result: Mild eye irritation
heptan-2-one; methyl amyl ketone	110-43-0	Acute dermal toxicity: LD50 rabbit Dose: 12,600 mg/kg
xylene	1330-20-7	Acute oral toxicity: LD50 rat Dose: 2,840 mg/kg

		<p>Acute dermal toxicity: LD50 rabbit Dose: ca. 4,500 mg/kg Acute inhalation toxicity: LC50 rat Dose: 6,350 mg/l Exposure time: 4 h Skin irritation: Classification: Irritating to skin. Result: Mild skin irritation Repeated or prolonged exposure may cause skin irritation and dermatitis, due to degreasing properties of the product. Eye irritation: Classification: Irritating to eyes. Result: Mild eye irritation</p>
ethylbenzene	100-41-4	<p>Acute oral toxicity: LD50 rat Dose: 3,500 mg/kg Acute dermal toxicity: LD50 rabbit Dose: 15,500 mg/kg Acute inhalation toxicity: LC50 rat Dose: 18 mg/l Exposure time: 4 h Skin irritation: Classification: Irritating to skin. Result: Mild skin irritation Eye irritation: Classification: Irritating to eyes. Result: Risk of serious damage to eyes.</p>

SECTION 12. ECOLOGICAL INFORMATION

Adsorbed organic bound halogens (AOX)	not included
Volatile organic compounds (VOC) content	61.83 %
Additional ecological information	The product should not be allowed to enter drains, water courses or the soil.

SECTION 13. DISPOSAL CONSIDERATIONS

Adequate disposal	:	In accordance with local and national regulations. Please ensure aerosol cans are sprayed completely empty (including propellant) Containers that have not been emptied in compliance with regulations are regarded as hazardous waste.
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SECTION 14. TRANSPORT INFORMATION

DOT 49 CFR

Proper shipping name : AEROSOLS
UN-No. : 1950
Class : 2.1
Packing group :
Emergency Response : 126
Guidebook Number

TDGR

Proper shipping name : AEROSOLS
UN-No. : 1950
Class : 2.1
Packing group :
Emergency Response : 126
Guidebook Number

ICAO / IATA-DGR

UN UN-No. : 1950
Description of the goods : AEROSOLS
Class : 2.1
ICAO-Labels : 2.1
Packing instruction (cargo aircraft) : 203
Packing instruction (passenger aircraft) : 203
Packing instruction (passenger aircraft) : Y203

IMDG-Code

UN-No. : UN 1950
Description of the goods : AEROSOLS
Class : 2.1
IMDG-Labels : 2.1
EmS Number : F-D S-U
Marine pollutant : no

SECTION 15. REGULATORY INFORMATION

OSHA Hazards : Flammable Aerosol

Moderate respiratory irritant
Respiratory sensitizer
Moderate skin irritant
Severe eye irritant
Possible carcinogen.

TSCA Status : On TSCA Inventory

DSL Status : All components of this product are on the Canadian DSL list.

SARA 311/312 Hazards : Fire Hazard/Acute Health Hazard/Chronic Health Hazard

SARA III US. EPA Emergency Planning and Community Right-To-Know Act (EPCRA) SARA Title III Section 313 Toxic Chemicals (40 CFR 372.65) - Supplier Notification Required

<u>Components</u>	<u>CAS-No.</u>
xylene	1330-20-7
ethylbenzene	100-41-4

PENN RTK US. Pennsylvania Worker and Community Right-to-Know Law (34 Pa. Code Chap. 301-323)

<u>Components</u>	<u>CAS-No.</u>
ethylbenzene	100-41-4
xylene	1330-20-7
heptan-2-one; methyl amyl ketone	110-43-0
n-butyl acetate	123-86-4
Hexane, 1,6-diisocyanato-, homopolymer	28182-81-2
acetone; propan-2-one; propanone	67-64-1
dimethyl ether	115-10-6

MASS RTK US. Massachusetts Commonwealth's Right-to-Know Law (Appendix A to 105 Code of Massachusetts Regulations Section 670.000)

<u>Components</u>	<u>CAS-No.</u>
ethylbenzene	100-41-4
xylene	1330-20-7
heptan-2-one; methyl amyl ketone	110-43-0
n-butyl acetate	123-86-4
acetone; propan-2-one; propanone	67-64-1
dimethyl ether	115-10-6

NJ RTK US. New Jersey Worker and Community Right-to-Know Act (New Jersey Statute Annotated Section 34:5A-5)

<u>Components</u>	<u>CAS-No.</u>
ethylbenzene	100-41-4
xylene	1330-20-7
heptan-2-one; methyl amyl ketone	110-43-0
2-methoxy-1-methylethyl acetate	108-65-6
n-butyl acetate	123-86-4
Hexane, 1,6-diisocyanato-, homopolymer	28182-81-2
acetone; propan-2-one; propanone	67-64-1
dimethyl ether	115-10-6

California Prop. 65: WARNING! This product contains a chemical known in the State of California to cause cancer: ethylbenzene 100-41-4

SECTION 16. OTHER INFORMATION

Further information

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information, and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

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