### SAFETY DATA SHEET

### 1. Identification

**Product identifier** 

05-007 RS PENETRANT w/TEFLON

Other means of identification

**Product code** 

1000022381

Recommended use

Cleaner

Recommended restrictions

None known.

Manufacturer/Importer/Supplier/Distributor information

Manufacturer

Company name

RED STALLION INC.

Address

395 PASSMORE AVE. TORONTO, ON M1V 4B3

Canada

Telephone

General Assistance

Wehsite E-mail

www.redstallion.ca

john@redstallion.ca

**Emergency phone number** 

Emergency - US Emergency - Outside US

1-866-836-8855 1-952-852-4646

1-416-321-9980

Not available.

Supplier

### 2. Hazard(s) identification

Physical hazards

Flammable aerosols

Category 1

Health hazards

Carcinogenicity

Category 2

Label elements



Signal word

Hazard statement

Extremely flammable aerosol. Suspected of causing cancer.

Precautionary statement

Prevention

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not spray on an open flame or other ignition source. Do not pierce or burn, even after use. Wear protective gloves/protective clothing/eye protection/face protection.

Response

IF exposed or concerned: Get medical advice/attention.

Storage Disposal Store locked up. Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.

Dispose of contents/container in accordance with local/regional/national/international regulations. Refer to manufacturer or supplier for information on recovery or recycling.

Environmental hazards

Hazardous to the aquatic environment, acute Category 2

hazard

Hazardous to the aquatic environment,

Category 2

long-term hazard

Hazardous to the ozone layer

Category 1

Other hazards

None known.

Supplemental information

None.

3. Composition/information on ingredients

**Mixtures** 

Product name: 05-007 RS PENETRANT w/TEFLON

Product #: 1000022381 Version #: 01 Issue date: 02-23-2017

SDS CANADA

Chemical name	Common name and synonyms	CAS number	%
Perchloroethylene		127-18-4	73.169
Distillates, Petroleum, Hydrotreated Middle		64742-46-7	5.984
Kerosene		8008-20-6	5.164
Acetone		67-64-1	4,9
Carbon Dioxide		124-38-9	2
Mineral Spirits		8052-41-3	0.698
Carbon Tetrachloride		56-23-5	0.331
Other components below reportable le	evels		7.753

All concentrations are in percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

### 4. First-aid measures

Inhalation If symptoms develop move victim to fresh air. Get medical attention if symptoms persist. Skin contact Wash off with soap and water. Get medical attention if irritation develops and persists.

Eve contact Rinse with water. Get medical attention if irritation develops and persists. Ingestion In the unlikely event of swallowing contact a physician or poison control center.

**Most Important** Headache. Dizziness. Nausea. symptoms/effects, acute and

delayed Indication of immediate

medical attention and special treatment needed

Provide general supportive measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed.

General information IF exposed or concerned: Get medical advice/attention. Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

#### 5. Fire-fighting measures

Suitable extinguishing media Water fog. Foam. Dry chemical powder. Carbon dioxide (CO2). Unsuitable extinguishing Do not use water jet as an extinguisher, as this will spread the fire. media

Specific hazards arising from the chemical

Special protective equipment and precautions for firefighters

Fire fighting equipment/instructions

Specific methods

During fire, gases hazardous to health may be formed. Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA.

Move containers from fire area if you can do so without risk. Containers should be cooled with water to prevent vapor pressure build up. For massive fire in cargo area, use unmanned hose holder or monitor nozzles, if possible. If not, withdraw and let fire burn out.

Contents under pressure. Pressurized container may explode when exposed to heat or flame.

Use standard firefighting procedures and consider the hazards of other involved materials. Move containers from fire area if you can do so without risk. In the event of fire and/or explosion do not breathe fumes.

General fire hazards Extremely flammable aerosol.

### 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Wear appropriate protective equipment and clothing during clean-up. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering them. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.

Methods and materials for containment and cleaning up Refer to attached safety data sheets and/or instructions for use. Stop leak if you can do so without risk. Move the cylinder to a safe and open area if the leak is irreparable. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Keep combustibles (wood, paper, oil, etc.) away from spilled material. Prevent entry into waterways, sewer, basements or confined areas. Cover with plastic sheet to prevent spreading. Absorb in vermiculite, dry sand or earth and place into containers. Following product recovery, flush area with water.

Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination. For waste disposal, see section 13 of the SDS.

#### **Environmental precautions**

Avoid release to the environment. Inform appropriate managerial or supervisory personnel of all environmental releases. Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground.

### 7. Handling and storage

### Precautions for safe handling

Obtain special Instructions before use. Do not handle until all safety precautions have been read and understood. Pressurized container: Do not pierce or burn, even after use. Do not use if spray button is missing or defective. Do not spray on a naked flame or any other incandescent material. Do not smoke while using or until sprayed surface is thoroughly dry. Do not cut, weld, solder, drill, grind, or expose containers to heat, flame, sparks, or other sources of ignition. All equipment used when handling the product must be grounded. Do not re-use empty containers. Should be handled in closed systems, if possible. Use only in well-ventilated areas. Wear appropriate personal protective equipment. Avoid release to the environment. Observe good industrial hygiene practices.

# Conditions for safe storage, including any incompatibilities

Level 1 Aerosol.

Store locked up. Pressurized container. Protect from sunlight and do not expose to temperatures exceeding 50°C/122 °F. Do not puncture, incinerate or crush. Do not handle or store near an open flame, heat or other sources of ignition. This material can accumulate static charge which may cause spark and become an ignition source. Store away from incompatible materials (see Section 10 of the SDS).

### 8. Exposure controls/personal protection

### Occupational exposure limits

US. ACGIH Threshold Limit Value:	8		
Components	Туре	Value	Form
Acetone (CAS 67-64-1)	STEL	500 ppm	
	TWA	250 ppm	
Carbon Dioxide (CAS 124-38-9)	STEL	30000 ppm	
	TWA	5000 ppm	
Carbon Tetrachloride (CAS 56-23-5)	STEL	10 ppm	
	TWA	5 ppm	
Kerosene (CAS 8008-20-6)	TWA	200 mg/m3	Non-aerosol.
Mineral Spirits (CAS 8052-41-3)	TWA	100 ppm	
Perchloroethylene (CAS 127-18-4)	STEL	100 ppm	
•	TWA	25 ppm	
Canada. Alberta OELs (Occupatio	nal Health & Safety Code. Sch	nedule 1. Table 2)	
Components	Туре	Value	Form
Acetone (CAS 67-64-1)	STEL	1800 mg/m3	
		750 ppm	
	TWA	1200 mg/m3	
		500 ppm	
Carbon Dioxide (CAS 124-38-9)	STEL	54000 mg/m3	
-		30000 ppm	
	TWA	9000 mg/m3	
		5000 ppm	
Carbon Tetrachloride (CAS 56-23-5)	STEL	63 mg/m3	
		10 ppm	
	TWA	31 mg/m3	
		5 ppm	
(erosene (CAS 8008-20-6)	TWA	200 mg/m3	Vapor.
Mineral Spirits (CAS 8052-41-3)	TWA	572 mg/m3	- 5,0011
•		100 ppm	
Perchloroethylene (CAS 127-18-4)	STEL	678 mg/m3	
		100 ppm	

Product name: 05-007 RS PENETRANT w/TEFLON

Canada. Alberta OELs (Occupation Components	Туре	Value	Form
	TWA	170 mg/m3 25 ppm	
Canada. British Columbia OELs. ( Safety Regulation 296/97, as ame	Occupational Exposure Limit	• •	ccupational Health and
Components	Туре	Value	Form
Acetone (CAS 67-64-1)	STEL	500 ppm	
,	TWA	250 ppm	
Carbon Dioxide (CAS	STEL	15000 ppm	
124-38-9)			
0 .	TWA	5000 ppm	
Carbon Tetrachloride (CAS 56-23-5)	TWA	2 ppm	
Kerosene (CAS 8008-20-6)	TWA	200	Nes seesal
Mineral Spirits (CAS	STEL	200 mg/m3 580 mg/m3	Non-aerosol.
8052-41-3)	OILL	560 mg/ms	
-	TWA	290 mg/m3	
Perchloroethylene (CAS	STEL	100 ppm	
127-18-4)			
	TWA	25 ppm	
Canada. Manitoba OELs (Reg. 217		And Health Act)	
Components	Туре	Value	Form
Acetone (CAS 67-64-1)	STEL	500 ppm	
	TWA	250 ppm	
Carbon Dioxide (CAS	STEL	30000 ppm	
124-38-9)			
Onther Televille (0.10	TWA	5000 ppm	
Carbon Tetrachloride (CAS 56-23-5)	STEL	10 ppm	
30-23-3)	TWA	E	
Kerosene (CAS 8008-20-6)	TWA	5 ppm 200 mg/m3	Non-aerosol.
Mineral Spirits (CAS	TWA	100 ppm	Non-aerosol.
B052-41-3) `		тоо рртт	
Perchloroethylene (CAS	STEL	100 ppm	
127-18-4)			
	TWA	25 ppm	
Canada. Ontario OELs. (Control of		nemical Agents)	
Components	Туре	Value	Form
Acetone (CAS 67-64-1)	STEL	750 ppm	
	TWA	500 ppm	
Carbon Dioxide (CAS	STEL	30000 ppm	
124-38-9)			
5 L 7 L LL (6.6	TWA	5000 ppm	
Carbon Tetrachloride (CAS	STEL	3 ppm	
56-23-5)	TWA	3 mm	
Kerosene (CAS 8008-20-6)	TWA	2 ppm 200 mg/m3	Non-aerosol.
Mineral Spirits (CAS	TWA	200 mg/ms 100 ppm	14011-8610501.
3052-41-3)		тоо ррш	
Perchloroethylene (CAS	STEL	100 ppm	
l27-18-4)			
	TWA	25 ppm	
Сапаda. Quebec OELs. (Ministry o			vironment)
Components	Туре	Value	•
Acetone (CAS 67-64-1)	STEL	2380 mg/m3	
,		1000 ppm	
	TWA	1190 mg/m3	

Canada. Quebec OELs. ( Components	minany of Eagor	Туре			alue
Carbon Dioxide (CAS 124-38-9)		STEL		54	4000 mg/m3
				30	0000 ppm
		TWA		90	000 mg/m3
	_			50	000 ppm
Carbon Tetrachloride (CA: 56-23-5)	S	STEL	•	63	3 mg/m3
		TWA			) ppm
		IVVA			l mg/m3
Mineral Spirits (CAS		TWA			ppm 25 mg/m3
8052-41-3)		1777			_
Porchloroethylone (CAC		OTE:			00 ppm
Perchloroethylene (CAS 127-18-4)		STEL		68	35 mg/m3
				10	00 ppm
		TWA		17	'0 mg/m3
				25	ppm
ologicał limit values ACGIH Biological Expos	ure Indices				
Components	Value		Determinant	Specimen	Sampling Time
Acetone (CAS 67-64-1)	25 mg/l		Acetone	Urine	*
Perchloroethylene (CAS	0.5 mg/l		Tetrachloroethy	Blood	*
127-18-4)	0		lene		
	3 ppm		Tetrachloroethy lene	End-exhaled air	*
posure guidelines			ment.		
posure guidelines  Canada - Alberta OELs: \$  Carbon Tetrachloride	_			absorbed throu	igh the skin
Canada - Alberta OELs: \$ Carbon Tetrachloride Kerosene (CAS 8008-	(CAS 56-23-5) 20-6)	ignatic	Can be	absorbed throu	
Canada - Alberta OELs: \$ Carbon Tetrachloride Kerosene (CAS 8008- Canada - British Columb	(CAS 56-23-5) 20-6) ia OELs: Skin des	ignatio	Can be Can be	absorbed throu	igh the skin.
Canada - Alberta OELs: \$ Carbon Tetrachloride Kerosene (CAS 8008- Canada - British Columb Carbon Tetrachloride Kerosene (CAS 8008-	(CAS 56-23-5) 20-6) <b>ia OELs: Skin des</b> (CAS 56-23-5) 20-6)		Can be Can be on Can be		igh the skin. Igh the skin.
Canada - Alberta OELs: \$ Carbon Tetrachloride Kerosene (CAS 8008- Canada - British Columb Carbon Tetrachloride Kerosene (CAS 8008- Canada - Manitoba OELs	(CAS 56-23-5) 20-6) ia OELs: Skin des (CAS 56-23-5) 20-6) : Skin designatior		Can be Can be on Can be	absorbed throu absorbed throu absorbed throu	igh the skin. Igh the skin. Igh the skin.
Canada - Alberta OELs: \$ Carbon Tetrachloride Kerosene (CAS 8008- Canada - British Columb Carbon Tetrachloride Kerosene (CAS 8008- Canada - Manitoba OELs Carbon Tetrachloride Kerosene (CAS 8008-	(CAS 56-23-5) 20-6) ia OELs: Skin des (CAS 56-23-5) 20-6) : Skin designatior (CAS 56-23-5) 20-6)		Can be Can be Can be Can be	absorbed throu absorbed throu	igh the skin. Igh the skin. Igh the skin. Igh the skin.
Canada - Alberta OELs: \$ Carbon Tetrachloride Kerosene (CAS 8008- Canada - British Columbi Carbon Tetrachloride Kerosene (CAS 8008- Canada - Manitoba OELs Carbon Tetrachloride Kerosene (CAS 8008- Canada - Ontario OELs: \$	(CAS 56-23-5) 20-6) ia OELs: Skin des (CAS 56-23-5) 20-6) : Skin designatior (CAS 56-23-5) 20-6) \$\$\text{20-6}\$\$ Skin designation		Can be Ca	absorbed throu absorbed throu absorbed throu absorbed throu absorbed throu	igh the skin.
Canada - Alberta OELs: \$ Carbon Tetrachloride Kerosene (CAS 8008- Canada - British Columb Carbon Tetrachloride Kerosene (CAS 8008- Canada - Manitoba OELs Carbon Tetrachloride Kerosene (CAS 8008- Canada - Ontario OELs: \$ Carbon Tetrachloride Kerosene (CAS 8008-	(CAS 56-23-5) 20-6) ia OELs: Skin des (CAS 56-23-5) 20-6) : Skin designation (CAS 56-23-5) 20-6) Skin designation (CAS 56-23-5) 20-6) (CAS 56-23-5) 20-6)		Can be Ca	absorbed throu absorbed throu absorbed throu absorbed throu	igh the skin.
Canada - Alberta OELs: \$ Carbon Tetrachloride Kerosene (CAS 8008- Canada - British Columb Carbon Tetrachloride Kerosene (CAS 8008- Canada - Manitoba OELs Carbon Tetrachloride Kerosene (CAS 8008- Canada - Ontario OELs: \$ Carbon Tetrachloride Kerosene (CAS 8008- Canada - Quebec OELs: \$	(CAS 56-23-5) 20-6) ia OELs: Skin des (CAS 56-23-5) 20-6) : Skin designation (CAS 56-23-5) 20-6) Skin designation (CAS 56-23-5) 20-6) Skin designation		Can be Ca	absorbed throu absorbed throu absorbed throu absorbed throu absorbed throu absorbed throu absorbed throu	igh the skin.
Canada - Alberta OELs: \$ Carbon Tetrachloride Kerosene (CAS 8008- Canada - British Columb Carbon Tetrachloride Kerosene (CAS 8008- Canada - Manitoba OELs Carbon Tetrachloride Kerosene (CAS 8008- Canada - Ontario OELs: \$ Carbon Tetrachloride Kerosene (CAS 8008- Canada - Quebec OELs: \$ Carbon Tetrachloride Kerosene (CAS 8008-	(CAS 56-23-5) 20-6) ia OELs: Skin des (CAS 56-23-5) 20-6) : Skin designation (CAS 56-23-5) 8kin designation (CAS 56-23-5) 20-6) Skin designation (CAS 56-23-5) (CAS 56-23-5)	1	Can be Ca	absorbed throu absorbed throu absorbed throu absorbed throu absorbed throu absorbed throu	igh the skin.
Canada - Alberta OELs: S Carbon Tetrachloride Kerosene (CAS 8008- Canada - British Columb Carbon Tetrachloride Kerosene (CAS 8008- Canada - Manitoba OELs Carbon Tetrachloride Kerosene (CAS 8008- Canada - Ontario OELs: S Carbon Tetrachloride Kerosene (CAS 8008- Canada - Quebec OELs: S Carbon Tetrachloride Kerosene (CAS 8008- Canada - Saskatchewane Kerosene (CAS 8008-	(CAS 56-23-5) 20-6) ia OELs: Skin des (CAS 56-23-5) 20-6) : Skin designation (CAS 56-23-5) 20-6) Skin designation (CAS 56-23-5) 20-6) Skin designation (CAS 56-23-5) 20-6) Skin designation (CAS 56-23-5) OELs: Skin design	nation	Can be Ca	absorbed throu absorbed throu absorbed throu absorbed throu absorbed throu absorbed throu absorbed throu	igh the skin.
Canada - Alberta OELs: S Carbon Tetrachloride Kerosene (CAS 8008- Canada - British Columb Carbon Tetrachloride Kerosene (CAS 8008- Canada - Manitoba OELs Carbon Tetrachloride Kerosene (CAS 8008- Canada - Ontario OELs: S Carbon Tetrachloride Kerosene (CAS 8008- Canada - Quebec OELs: S Carbon Tetrachloride Kerosene (CAS 8008- Canada - Saskatchewan (CAS 8008- US ACGIH Threshold Lim	(CAS 56-23-5) 20-6) ia OELs: Skin des (CAS 56-23-5) 20-6) : Skin designation (CAS 56-23-5) 20-6) Skin designation (CAS 56-23-5) 20-6) Skin designation (CAS 56-23-5) 0CLs: Skin designation (CAS 56-23-5) OELs: Skin design	nation	Can be Ca	absorbed throu absorbed throu absorbed throu absorbed throu absorbed throu absorbed throu absorbed throu absorbed throu	igh the skin.
Canada - Alberta OELs: S Carbon Tetrachloride Kerosene (CAS 8008- Canada - British Columb Carbon Tetrachloride Kerosene (CAS 8008- Canada - Manitoba OELs Carbon Tetrachloride Kerosene (CAS 8008- Canada - Ontario OELs: S Carbon Tetrachloride Kerosene (CAS 8008- Canada - Quebec OELs: S Carbon Tetrachloride Kerosene (CAS 8008- Canada - Saskatchewane Kerosene (CAS 8008-	(CAS 56-23-5) 20-6) ia OELs: Skin des (CAS 56-23-5) 20-6) : Skin designation (CAS 56-23-5) 20-6) Skin designation (CAS 56-23-5) 20-6) Skin designation (CAS 56-23-5) OELs: Skin designation (CAS 56-23-5) OELs: Skin design	nation	Can be ca	absorbed throus absorbed throu	igh the skin.
Canada - Alberta OELs: 3 Carbon Tetrachloride Kerosene (CAS 8008- Canada - British Columb Carbon Tetrachloride Kerosene (CAS 8008- Canada - Manitoba OELs Carbon Tetrachloride Kerosene (CAS 8008- Canada - Ontario OELs: 3 Carbon Tetrachloride Kerosene (CAS 8008- Canada - Quebec OELs: 3 Carbon Tetrachloride Kerosene (CAS 8008- Canada - Saskatchewan (CAS 8008- US ACGIH Threshold Lim Carbon Tetrachloride (Carbon Tetrachloride)	(CAS 56-23-5) 20-6) ia OELs: Skin des (CAS 56-23-5) 20-6) : Skin designation (CAS 56-23-5) 20-6) Skin designation (CAS 56-23-5) 20-6) Skin designation (CAS 56-23-5) OELs: Skin design 20-6) oit Values: Skin de (CAS 56-23-5) 20-6)	n nation esignat	Can be Ca	absorbed throu absorbed throu	igh the skin.
Canada - Alberta OELs: S Carbon Tetrachloride Kerosene (CAS 8008- Canada - British Columb Carbon Tetrachloride Kerosene (CAS 8008- Canada - Manitoba OELs Carbon Tetrachloride Kerosene (CAS 8008- Canada - Ontario OELs: S Carbon Tetrachloride Kerosene (CAS 8008- Canada - Quebec OELs: S Carbon Tetrachloride Kerosene (CAS 8008- Canada - Saskatchewan Kerosene (CAS 8008- US ACGIH Threshold Lim Carbon Tetrachloride Kerosene (CAS 8008-	(CAS 56-23-5) 20-6) ia OELs: Skin des (CAS 56-23-5) 20-6) : Skin designation (CAS 56-23-5) 20-6) Skin designation (CAS 56-23-5) 20-6) Skin designation (CAS 56-23-5) OELs: Skin designation (CAS 56-23-5) COGO General should be mator other engin	nation esignat ventila	Can be Ca	absorbed throus absorbed throu	igh the skin. Ig
Canada - Alberta OELs: S Carbon Tetrachloride Kerosene (CAS 8008- Canada - British Columb Carbon Tetrachloride Kerosene (CAS 8008- Canada - Manitoba OELs: S Carbon Tetrachloride Kerosene (CAS 8008- Canada - Ontario OELs: S Carbon Tetrachloride Kerosene (CAS 8008- Canada - Quebec OELs: S Carbon Tetrachloride (Canada - Saskatchewan (CAS 8008- US ACGIH Threshold Lime Carbon Tetrachloride (Kerosene (CAS 8008- US ACGIH Threshold Lime Carbon Tetrachloride (Kerosene (CAS 8008- propriate engineering itvidual protection measure	(CAS 56-23-5) 20-6) ia OELs: Skin des (CAS 56-23-5) 20-6) : Skin designation (CAS 56-23-5) 20-6) Skin designation (CAS 56-23-5) 20-6) Skin designation (CAS 56-23-5) 20-6) Skin designation (CAS 56-23-5) OELs: Skin design 20-6) iit Values: Skin de (CAS 56-23-5) 20-6) Good general should be mat or other engin exposure limites, such as persoi	nation esignat ventila ched to eering s have	Can be Ca	absorbed throu absorbed throu	igh the skin.  Igh th
Canada - Alberta OELs: \$ Carbon Tetrachloride Kerosene (CAS 8008- Canada - British Columb Carbon Tetrachloride Kerosene (CAS 8008- Canada - Manitoba OELs Carbon Tetrachloride Kerosene (CAS 8008- Canada - Ontario OELs: \$ Carbon Tetrachloride Kerosene (CAS 8008- Canada - Quebec OELs: \$ Carbon Tetrachloride Canada - Saskatchewan (CAS 8008- Kerosene (CAS 8008- Carbon Tetrachloride (Canada - Saskatchewan (CAS 8008- Carbon Tetrachloride (Canada - Garbon Tetrachloride) Carbon Tetrachloride (CAS 8008- US ACGIH Threshold Lim Carbon Tetrachloride (CAS 8008- propriate engineering itvidual protection measure Eye/face protection	(CAS 56-23-5) 20-6) ia OELs: Skin des (CAS 56-23-5) 20-6) : Skin designation (CAS 56-23-5) 20-6) Skin designation (CAS 56-23-5) 20-6) Skin designation (CAS 56-23-5) 20-6) Skin designation (CAS 56-23-5) OELs: Skin design 20-6) iit Values: Skin de (CAS 56-23-5) 20-6) Good general should be mat or other engin exposure limites, such as persoi	nation esignat ventila ched to eering s have	Can be Ca	absorbed throu absorbed throu	igh the skin.  Igh th
Canada - Alberta OELs: \$ Carbon Tetrachloride Kerosene (CAS 8008- Canada - British Columb Carbon Tetrachloride Kerosene (CAS 8008- Canada - Manitoba OELs Carbon Tetrachloride Kerosene (CAS 8008- Canada - Ontario OELs: \$ Carbon Tetrachloride Kerosene (CAS 8008- Canada - Quebec OELs: \$ Carbon Tetrachloride Kerosene (CAS 8008- Canada - Saskatchewan (CAS 8008- Canada - Cana	(CAS 56-23-5) 20-6) ia OELs: Skin des (CAS 56-23-5) 20-6) : Skin designation (CAS 56-23-5) 20-6) Skin designation (CAS 56-23-5) 20-6) Skin designation (CAS 56-23-5) 20-6) GCAS 56-23-5) it Values: Skin design 20-6) GCAS 56-23-5) GOOD general should be mat or other enginexposure limites, such as person Chemical resp	ventila ventila ched to eering s have nal pro	Can be Ca	absorbed throus	igh the skin.  Igh th
Canada - Alberta OELs: \$ Carbon Tetrachloride Kerosene (CAS 8008- Canada - British Columb Carbon Tetrachloride Kerosene (CAS 8008- Canada - Manitoba OELs Carbon Tetrachloride Kerosene (CAS 8008- Canada - Ontario OELs: \$ Carbon Tetrachloride Kerosene (CAS 8008- Canada - Quebec OELs: \$ Carbon Tetrachloride Canada - Saskatchewan (CAS 8008- Kerosene (CAS 8008- Carbon Tetrachloride (Canada - Saskatchewan (CAS 8008- Carbon Tetrachloride (Canada - Garbon Tetrachloride) Carbon Tetrachloride (CAS 8008- US ACGIH Threshold Lim Carbon Tetrachloride (CAS 8008- propriate engineering itvidual protection measure Eye/face protection	(CAS 56-23-5) 20-6) ia OELs: Skin des (CAS 56-23-5) 20-6) : Skin designation (CAS 56-23-5) 20-6) Skin designation (CAS 56-23-5) 20-6) Skin designation (CAS 56-23-5) 20-6) GCAS 56-23-5) it Values: Skin design 20-6) GCAS 56-23-5) GOOD general should be mat or other enginexposure limites, such as person Chemical resp	ventila ventila ched to eering s have nal pro	Can be Ca	absorbed throus	igh the skin.  Igh th

Respiratory protection Chemical respirator with organic vapor cartridge and full facepiece.

Wear appropriate thermal protective clothing, when necessary. Thermal hazards

Observe any medical surveillance requirements. When using do not smoke. Always observe good General hygiene considerations personal hygiene measures, such as washing after handling the material and before eating,

drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove

contaminants.

Not available.

### 9. Physical and chemical properties

**Appearance** 

Physical state Liquid. **Form** Aerosol. Color Not available. Odor Not available. **Odor threshold** Not available. pΗ Not available.

Melting point/freezing point initial boiling point and boiling

range

243 °F (117.22 °C) estimated

Flash point 192.3 °F (89.1 °C) estimated

**Evaporation rate** Not available. Flammability (solid, gas) Not applicable. Upper/lower flammability or explosive limits 1.6 % estimated

Flammability limit - lower

Flammability limit - upper

8.8 % estimated

Explosive limit - lower (%) Not available. Explosive limit - upper (%) Not available.

Vapor pressure 51.08 psig @70F estimated

Vapor density Not available. Relative density Not available.

Solubility(ies)

Solubility (water) Not available **Partition coefficient** Not available.

(n-octanol/water)

Auto-ignition temperature 1148.24 °F (620.13 °C) estimated

Decomposition temperature Not available. Viscosity Not available.

Other information

**Explosive** properties Not explosive.

Combustible IIIA estimated Flammability class

Heat of combustion (NFPA

4.69 kJ/g estimated

Oxidizing properties Not oxidizing. Percent volatile 79.77 % estimated Specific gravity 1.288 estimated VOC (Weight %) 77.25 % estimated

10. Stability and reactivity

Reactivity The product is stable and non-reactive under normal conditions of use, storage and transport.

**Chemical stability** Material is stable under normal conditions. Possibility of hazardous Hazardous polymerization does not occur.

reactions

Product name: 05-007 RS PENETRANT w/TEFLON

SDS CANADA

Conditions to avoid

Avoid temperatures exceeding the flash point. Contact with incompatible materials.

Incompatible materials

Strong oxidizing agents. Hydrogen chloride.

Hazardous decomposition products

# 11. Toxicological information

Information on likely routes of exposure

Inhalation Skin contact

No adverse effects due to inhalation are expected. No adverse effects due to skin contact are expected.

Direct contact with eyes may cause temporary irritation.

Eye contact

Ingestion

Expected to be a low ingestion hazard.

Symptoms related to the physical, chemical and toxicological characteristics Headache. Dizziness. Nausea.

Acute toxicity

Information on toxicological effects

4C	ute	tox	ICITY

Components	Species	Test Results
Acetone (CAS 67-64-1)		
<u>Acute</u>		
Dermal		
LD50	Guinea pig	> 7426 mg/kg, 24 Hours
		> 9.4 ml/kg, 24 Hours
	Rabbit	> 7426 mg/kg, 24 Hours
		> 9.4 ml/kg, 24 Hours
Inhalation		
LC50	Rat	55700 ppm, 3 Hours
		132 mg/l, 3 Hours
		50.1 mg/l
Oral		
LD50	Rat	5800 mg/kg
		2.2 ml/kg
Distillates, Petroleum, Hydro	streated Middle (CAS 64742-46-7)	
<u>Acute</u>		
Dermal		
LD50	Rabbit	> 2000 mg/kg, 24 Hours
Inhalation		
LC50	Rat	7640 mg/m3, 4 Hours
Mist		
LC50	Rat	1.72 mg/l, 4 Hours
Oral		
LD50	Rat	> 5000 mg/kg
Kerosene (CAS 8008-20-6)		
Acute Domest		
<b>Dermal</b> LD50	Rabbit	> 2000
LD30	Rabbit	> 2000 mg/kg
Inhalatian		> 2000 mg/kg, 24 Hours
Inhalation LC50	Cat	> 6.4 mg/l 6.1/5
LOGO		> 6.4 mg/l, 6 Hours
	Rat	> 7.5 mg/l, 6 Hours
		> 4.3 mg/l, 4 Hours

Components	Species	Test Results	
		> 0.1 mg/l, 8 Hours	
Oral			
LD50	Rat	> 5000 mg/kg	
Perchloroethylene (CAS 127-18-	4)		
Acute			
Inhalation			
LC50	Dog; Mouse; Rabbit; Rat	3000 ppm	
Oral			
LD50	Cat; Dog; Mouse; Rabbit; R	at > 1500 mg/kg	
	Rat	3005 mg/kg	
* Estimates for product may I	be based on additional compone	nt data not shown.	
Skin corrosion/irritation	Prolonged skin contact may o		
Serious eye damage/eye irritation	Direct contact with eyes may		
Respiratory or skin sensitizatio	n		
Respiratory sensitization	Not a respiratory sensitizer.		
Skin sensitization	This product is not expected t	o cause skin sensitization.	
Germ cell mutagenicity	No data available to indicate produced mutagenic or genotoxic.	product or any components present at greater than 0.1% are	
Carcinogenicity	Suspected of causing cancer.		
ACGIH Carcinogens			
Acetone (CAS 67-64-1) Carbon Tetrachloride (C Kerosene (CAS 8008-20	AS 56-23-5) -6)	A4 Not classifiable as a human carcinogen. A2 Suspected human carcinogen. A3 Confirmed animal carcinogen with unknown relevance to humans.	
Perchloroethylene (CAS	127-18-4)	A3 Confirmed animal carcinogen with unknown relevance to humans.	
Canada - Alberta OELs: Ca	rcinogen category		
Carbon Tetrachloride (Carbon Tetrachloride (		Suspected human carcinogen.	
Canada - Manitoba OELs: c	•		
ACETONE (CAS 67-64-' CARBON TETRACHLOF KEROSENE (NON-AER' HYDROCARBON VAPO	RIDE (CAS 56-23-5) OSOL), AS TOTAL	Not classifiable as a human carcinogen. Suspected human carcinogen. Confirmed animal carcinogen with unknown relevance to humans.	
TETRACHLOROETHYLI Canada - Quebec OELs: Ca	ENE (CAS 127-18-4)	Confirmed animal carcinogen with unknown relevance to humans.	
Carbon Tetrachloride (C/ Perchloroethylene (CAS	127-18-4) <sup>*</sup>	Suspected carcinogenic effect in humans.  Detected carcinogenic effect in animals.	
	Evaluation of Carcinogenicity		
Carbon Tetrachloride (C/ Perchloroethylene (CAS	127-18-4)	2B Possibly carcinogenic to humans. 2A Probably carcinogenic to humans.	
Reproductive toxicity	This product is not expected to	cause reproductive or developmental effects.	
Specific target organ toxicity - single exposure	Not classified.		
Specific target organ toxicity - repeated exposure	Not classified.		
Aspiration hazard	Not an aspiration hazard.		
Chronic effects	Prolonged exposure may caus	se chronic effects.	
12. Ecological Information	1		
Ecotoxicity	Toxic to aquatic life with long ladestroying ozone in the upper	asting effects. Harms public health and the environment by atmosphere.	

Components		Species	Test Results
Acetone (CAS 67-64-1	)		
Aquatic			
Crustacea	EC50	Water flea (Daphnia magna)	21.6 - 23.9 mg/l, 48 hours
Fish	LC50	Rainbow trout, donaidson trout (Oncorhynchus mykiss)	4740 - 6330 mg/l, 96 hours
Carbon Tetrachloride (	CAS 56-23-5)		
Aquatic			
Fish	LC50	Fathead minnow (Pimephales promelas)	9.68 - 11.3 mg/l, 96 hours
Perchloroethylene (CA	S 127-18-4)		
Aquatic			
Crustacea	EC50	Daphnia	7.55 mg/L, 48 Hours
		Water flea (Daphnia magna)	6.1 - 9 mg/l, 48 hours
Fish	LC50	Rainbow trout,donaldson trout (Oncorhynchus mykiss)	4.82 mg/l, 96 hours

<sup>\*</sup> Estimates for product may be based on additional component data not shown.

Persistence and degradability

No data is available on the degradability of this product.

**Bioaccumulative potential** 

Partition coefficient n-octanol / water (log Kow)

Acetone -0.24Carbon Tetrachloride 2.83 Mineral Spirits 3.16 - 7.15 Perchloroethylene 3.4

Mobility in soll No data available.

Other adverse effects Dangerous for the environment: May damage the ozone layer,

### 13. Disposal considerations

**Disposal instructions** Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Contents

under pressure. Do not puncture, incinerate or crush. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of contents/container in accordance with local/regional/national/international

regulations.

Local disposal regulations

Dispose in accordance with all applicable regulations. Hazardous waste code

The waste code should be assigned in discussion between the user, the producer and the waste disposal company.

Waste from residues / unused

products

Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see:

Disposal instructions).

Contaminated packaging Since emptied containers may retain product residue, follow label warnings even after container is

emptied. Empty containers should be taken to an approved waste handling site for recycling or

disposal. Do not re-use empty containers.

### 14. Transport information

TDG

**UN number** 

UN1950

UN proper shipping name

AEROSOLS, flammable

Transport hazard class(es)

Class

2.1

Subsidiary risk

Packing group

Not applicable.

**Environmental hazards** 

Yes

Special precautions for user Read safety instructions, SDS and emergency procedures before handling.

This product meets the exception requirements of section 173.306 as a limited quantity and may be shipped as a limited quantity.

IATA

**UN number** 

UN1950

UN proper shipping name

Aerosols, flammable

Transport hazard class(es)

Class Subsidlary risk

2.1

Label(s)

2.1

Packing group

Not applicable.

**Environmental hazards ERG Code** 

Yes 10L

Special precautions for user Read safety instructions, SDS and emergency procedures before handling. Read safety instructions, SDS and emergency procedures before handling.

Other information

Passenger and cargo

Allowed with restrictions.

aircraft

Cargo aircraft only

Allowed with restrictions.

IMDG

**UN number** 

UN1950

UN proper shipping name

**AEROSOLS** 

Transport hazard class(es) Class

2.1

Subsidiary risk

None

Label(s) Packing group

**Environmental hazards** 

Not applicable.

**Marine pollutant** 

Yes

F-D, S-U

Special precautions for user Read safety instructions, SDS and emergency procedures before handling. Read safety

instructions, SDS and emergency procedures before handling.

Not applicable.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

IATA; IMDG: TDG



### **Marine pollutant**



**General information** 

IMDG Regulated Marine Pollutant.

# 15. Regulatory information

Canadian regulations

**Controlled Drugs and Substances Act** 

Not regulated.

Export Control List (CEPA 1999, Schedule 3)

Carbon Tetrachloride (CAS 56-23-5)

Restricted substance.

Product name: 05-007 RS PENETRANT w/TEFLON Product #: 1000022381 Version #: 01 Issue date: 02-23-2017

### **Greenhouse Gases**

Carbon Dioxide (CAS 124-38-9)
Precursor Control Regulations

Acetone (CAS 67-64-1)

Class B

### International regulations

### Stockholm Convention

Not applicable.
Rotterdam Convention

Not applicable.

Kyoto protocol

Carbon Dioxide (CAS 124-38-9)

Listed.

**Montreal Protocol** 

Carbon Tetrachloride (CAS 56-23-5)

Group II Annex B 1.1

Basel Convention Not applicable.

#### International Inventories

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	No
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	No
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	No
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	No
Korea	Existing Chemicals List (ECL)	No
New Zealand	New Zealand Inventory	No
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	No
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes
A A 10 A		100

<sup>\*</sup>A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

### 16. Other Information

issue date

02-23-2017

Version #

01

Disclaimer

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.

Product name: 05-007 RS PENETRANT w/TEFLON
Product #: 1000022381 Version #: 01 Issue date: 02-23-2017