

Penetrant / Lubricant

MATERIAL SAFETY DATA SHEET

94

MANUFACTURER'S NAME
SPRAYON PRODUCTS
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DATE OF PREPARATION
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Section I -- PRODUCT IDENTIFICATION

PRODUCT NUMBERS AND NAME:

00711 03711 Penetrant/Lubricant

Section II -- HAZARDOUS INGREDIENTS

CAS No	INGREDIENT	% by WEIGHT	ACGHI TLV	OSHA PEL	Unit	Vapor Pressure
64742-89-8	11. Aliphatic HC Solvent	71	Not Established			
64741-97-5	Naphthenic Oil	2	Not Established			
111-76-1	2-Butoxyethanol	5	25	25	PPM (Skin)	8.6
124-38-9	Carbon Dioxide	3	5000	10000	PPM	760.0
			<10000>	<30580>		

1 ingredient subject to the reporting requirements of the Superfund Amendments and Reauthorization Act (SARA) Section 311, 40 CFR 372.65C

Section III -- PHYSICAL DATA

PRODUCT WEIGHT	-- N.A.	EVAPORATION RATE	-- Faster than Ether
SPECIFIC GRAVITY	-- N.A.	VAPOR DENSITY	-- Heavier than Air
BOILING POINT	-- 40 °F	MELTING POINT	-- N.A.
VOLATILE WEIGHT	-- 91.1	SOLUBILITY IN WATER	-- N.A.

Section IV -- FIRE AND EXPLOSION HAZARD DATA

FLASH POINT	LEL	UEL
140 °F 100°	0.9	12.8
FLAMMABILITY CLASSIFICATION		
Combustible. Flash above 99 and below 200 °F		
EXTINGUISHING MEDIA		
Carbon Dioxide, Dry Chemical, Foam		
UNUSUAL FIRE AND EXPLOSION HAZARDS		
Keep containers tightly closed. Isolate from heat, electrical equipment, sparks, and open flame. Closed containers may explode when exposed to extreme heat. Application to hot surfaces requires special precautions. During emergency conditions overexposure to decomposition products may cause a health hazard. Symptoms may not be immediately apparent. Obtain medical attention.		
SPECIAL FIRE FIGHTING PROCEDURES		
Full protective equipment including self-contained breathing apparatus should be used. Water spray may be ineffective. If water is used, fog nozzles are preferable. Water may be used to cool closed containers to prevent pressure build-up and possible autoignition or explosion when exposed to extreme heat.		

Section V -- HEALTH HAZARD DATA

ROUTES OF EXPOSURE

Exposure may be by INHALATION or EYE contact, depending on conditions of use. To minimize exposure, follow recommendations for proper use, ventilation, and personal protective equipment.

ACUTE Health Hazards

EFFECTS OF OVEREXPOSURE

Irritation of eyes and respiratory system. May cause nervous system depression. Extreme overexposure may result in unconsciousness and possibly death.

SIGNS AND SYMPTOMS OF OVEREXPOSURE

Headache, dizziness, nausea, and loss of coordination are indications of excessive exposure to vapors or spray mists.

Redness and itching or burning sensation may indicate eye or excessive skin exposure.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE

None generally noted

EMERGENCY AND FIRST AID PROCEDURES

- If INHALED: If affected, remove from exposure. Restore breathing. Keep warm and quiet.
- If IN EYES: Flush eyes with large amounts of water for 15 minutes. Get medical attention if irritation persists.
- If SWALLOWED: Get medical attention.

CHRONIC Health Hazards

No ingredient in this product is an IARC, NTP or OSHA listed carcinogen. Prolonged overexposure to solvent ingredients in Section II may cause adverse effects to the liver and urinary systems. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Section VI — REACTIVITY DATA

STABILITY - Stable
CONDITIONS TO AVOID

None known.

INCOMPATIBILITY

None known.

HAZARDOUS DECOMPOSITION PRODUCTS

By fire: Carbon Dioxide, Carbon Monoxide

HAZARDOUS POLYMERIZATION

Will not occur

Section VII — SPILL OR LEAK PROCEDURES**STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED**

Remove all sources of ignition. Ventilate and remove with inert absorbent.

WASTE DISPOSAL METHOD

Waste from this product may be hazardous as defined under the Resource Conservation and Recovery Act (RCRA) of CFR 261. Waste must be tested for extractability to determine the applicable EPA hazardous waste numbers.

Do not puncture or incinerate. Depressurize container. Do not reuse empty container. Dispose of in accordance with Federal, State, and Local regulations regarding pollution.

Section VIII — PROTECTION INFORMATION**PRECAUTIONS TO BE TAKEN IN USE**

Use only with adequate ventilation. Avoid breathing vapor and spray mist. Avoid contact with skin and eyes. Wash hands after using.

VENTILATION

Local exhaust preferable. General exhaust acceptable if the exposure to materials in Section II is maintained below applicable exposure limits. Refer to OSHA Standards 1910.94, 1910.107, 1910.108.

RESPIRATORY PROTECTION

If personal exposure cannot be controlled below applicable limits by ventilation, wear a properly fitted organic vapor/particulate respirator approved by NIOSH/MSHA for protection against materials in Section II.

EYE PROTECTION

Wear safety spectacles with unperforated sideshields.

Section IX — PRECAUTIONS**DOX STORAGE CATEGORY - 2****PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING**

Keep away from heat, sparks, and open flame. Vapors will accumulate readily and may ignite explosively. During use and until all vapors are gone. Keep area ventilated - Do not smoke. Extinguish all flames, pilot lights, and heaters - Turn off stoves, electric tools and appliances, and any other sources of ignition. Consult NFPA Code. Use approved Bonding and Grounding procedures. Contents under pressure. Do not puncture, incinerate, or expose to temperatures above 130 °F. Heat from sunlight, radiators, stoves, hot water, and other heat sources could cause container to burst. Do not take internally. Keep out of the reach of children.

OTHER PRECAUTIONS

Intentional misuse by deliberately concentrating and inhaling the contents can be harmful or fatal.

The above information pertains to this product as currently formulated, and is based on the information available at this time. Addition of reducers or other additives to this product may substantially alter the composition and hazards of the product. Since conditions of use are outside our control, we make no warranties, express or implied, and assume no liability in connection with any use of this information.