

MATERIAL SAFETY DATA SHEET
POLYMER SAFE DEGREASER (PSD12)

SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: POLYMER SAFE DEGREASER (PSD12)

MANUF/DIST : VENTCO, INC. INFORMATION PHONE: 440-834-8888
15050 BERKSHIRE IND. PKWY. EMERGENCY CONTACT/CHEMTREC: 202-483-7616
MIDDLEFIELD, OH 44062 INTERNATIONAL CHEMTREC: 703-527-3887
Date of Preparation: October 22, 2003
Location: N/A

TRADE NAME/SYNONYMS.....: Gun Cleaner Spray
CHEMICAL NAME/SYNONYMS: NOT APPLICABLE
PRODUCT CODE: Item # PSD12

HAZARDOUS MATERIAL IDENTIFICATION SYSTEM

* HEALTH..... 2 *
* FLAMMABILITY.. 4 *
* REACTIVITY..... 0 *
* PROTECTION X *

SECTION 2 - HAZARDOUS INGREDIENTS

THIS PRODUCT CONTAINS HAZARDOUS INGREDIENTS : YES

CHEMICAL/COMMON NAME	CAS-NUMBER	%	PEL-OSHA	TLV-ACGIHCC
Carbon Dioxide (Propellant)	00124-38-9	1-10	1000ppm	1000ppm
Heptane (Hydrocarbon Solvent)	MIXTURE*	70-90	400ppm	400ppm
Isopropanol	00067-63-0	5-25	400ppm	400ppm

* Predominantly C7 isomers with the remaining constituents primarily C8 isomers.

THIS PRODUCT CONTAINS CARCINOGENS (NTP, IARC OR OSHA) : No

SECTION 3 - HEALTH HAZARD DATA

HEALTH EFFECTS (Acute And Chronic)-

ACUTE: Over exposure can result in:
Inhalation- Irritation of the respiratory track and possible CNS depression.
Skin- Irritation, defatting of skin and dermatitis can result from prolonged or repeated exposure.
Ingestion- If ingested, DO NOT induce vomiting. Get medical help at once! Aspiration of material into the respiratory system can result in severe pulmonary injury. Possibly progressing to death.
Eye- Irritation.

CHRONIC: We know of no chronic effects; however, many petroleum hydrocarbons have been shown to pose potential human health risks which may vary person to person. Therefore, as a precaution, exposure to liquid, vapor, mists or fumes should be minimized.

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PRIMARY ROUTES OF ENTRY-
Inhalation, Skin

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE-
None are known to us; however, exposure to vapor or mist may aggravate existing respiratory irritation and contact with existing dermatitis may aggravate the condition.

EMERGENCY FIRST AID PROCEDURES-

EYE CONTACT: Flush thoroughly with water, lifting both lower and upper lids. Irritation may result from contact. Consult a physician.
SKIN CONTACT: Do not apply directly to skin. If accidentally discharged onto skin wash with soap and water. Launder contaminated clothes before reuse.
INHALATION: Remove to fresh air. Keep patient warm and quiet. Apply artificial respiration if breathing has stopped. Get medical help at once.
INGESTION: An unlikely route of entry. However, if ingested, GET MEDICAL HELP AT ONCE! DO NOT induce vomiting. Aspiration of petroleum products into the lungs can result in chemical pneumonia with serious injury and even death.

SECTION 4 - CHEMICAL DATA

BOILING POINT (F)	: N/A	SPECIFIC GRAVITY (WATER=1)	: <1
VAPOR PRESSURE (PSIG)	: 90+/-10	PERCENT VOLATILE BY VOLUME (%)	: 100
VAPOR DENSITY (AIR=1)	: >1	EVAPORATION RATE (ether =1):	slower

SOLUBILITY IN WATER- approximately 10% wt.

APPEARANCE AND ODOR INFORMATION-

Clear mist (stream) with hydrocarbon solvent odor as dispensed from the aerosol package.

SECTION 5 - PHYSICAL HAZARD DATA

FLASH POINT (Method Used): Approx. 15° F FLAMMABLE LIMITS : Lel= 1 UEL= 11
(for Heptane component {approximate value})

EXTINGUISHING MEDIA-

Carbon dioxide, foam, dry chemical. Water to cool exposed containers may be helpful.

SPECIAL FIRE FIGHTING PROCEDURES-

At elevated temperatures (over 130°F) aerosol containers may burst, vent or rupture; use equipment or shielding to protect personnel. Cooling exposed containers with streams of water may be helpful.

UNUSUAL FIRE AND EXPLOSION HAZARDS-

Firefighters should wear self-contained, positive pressure breathing apparatus with full facepiece when fighting chemical fires. See section regarding Hazardous Decomposition Products (below)

INCOMPATIBILITY (Materials To Avoid)-

Strong oxidizers.

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HAZARDOUS DECOMPOSITION PRODUCTS-

Not determined; however, we would expect carbon dioxide, carbon monoxide and various incompletely burned hydrocarbon products.

WILL HAZARDOUS POLYMERIZATION OCCUR-

No

CONDITIONS TO AVOID FOR POLYMERIZATION-

N/A

IS THE PRODUCT STABLE-

Yes

CONDITIONS TO AVOID FOR STABILITY-

Avoid heat sufficient to burst can. Avoid spraying onto red hot surfaces, into flame and use near sources of sparks (including static electric) which can cause ignition or decomposition. Please see comments in Section 8.

SECTION 6 - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED-

Remove sources of ignition. Ventilate area. Use protective equipment consistent with the situation. Place residue into metal containers for proper disposal.

WASTE DISPOSAL METHODS-

Consult federal, state and local regulations. Do not puncture or incinerate containers. Give empty, leaking or full containers to a disposal service equipped to safely handle and dispose of pressurized containers

SECTION 7 - EXPOSURE CONTROL INFORMATION

VENTILATION-

LOCAL EXHAUST: To maintain <PEL/TLV MECHANICAL (General): To maintain <PEL/TLV
SPECIAL: To maintain <PEL/TLV OTHER: To maintain <PEL/TLV

RESPIRATORY PROTECTION-

Generally not required if sufficient ventilation is provided. If the TLV of the product or any of its components is exceeded an approved organic vapor mask should be used.

PROTECTIVE GLOVES-

Where prolonged or repeated contact with the spray mist or the deposited product is likely, neoprene or other impervious gloves should be used.

OTHER PROTECTIVE EQUIPMENT-

As required by your company. Eye protection is suggested. Goggles or safety glasses with side shields are recommended if contact with the spray is likely.

OTHER ENGINEERING CONTROLS-

To determine exposure levels, monitoring should be performed.

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WORK PRACTICES-

Do not use in confined or closed space. Ventilation should be sufficient to maintain concentration of the product or any of its components below the PEL/TLV value.

HYGIENIC PRACTICES-

Wash thoroughly before eating or smoking after using this or any chemical product.

SECTION 8 - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE-

Store in a cool, dry area, out of direct sunlight. Do not puncture, incinerate (burn) or heat above 130°F either full or empty containers.

MAINTENANCE PRECAUTIONS-

Do not remove or deface label.

OTHER PRECAUTIONS-

Please read and follow directions on the product label and any accompanying literature.

ADDITIONAL COMMENTS-

NE = not established, ND = not determined, N/A = not applicable

The flash point is based on hydrocarbon solvent/active portion..

Flammability limits are based on the min/max value of the LEL/UEL of the hydrocarbon component as known to us.

The LEL/UEL of this product have not been determined.

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The HMIS system may not be adequate to convey the necessary hazard information associated with this product. HMIS ratings can be used only when specific training on the information contained in this MSDS is also provided.

This product has been classified in accordance with the hazard criteria of the CPR and the MSDS contains all of the information required by the CPR.

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 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.