

Material Safety Data Sheet

May be used to comply with
OSHA's Hazard Communication Standard
29 CFR 1910.1200. Standard must be
consulted for specific requirements

U.S. Department of Labor

Occupation Safety and Health Administration
(Non-Mandatory Form)
Form Approved
OMB No. 1218-0072

IDENTITY

FANTASTIC II SAFETY SOLVENT (120150)

Note: Blank spaces are not permitted. If any item is not applicable, or no information is available, the space must be marked to indicate that.

Section I

Manufactured For: Beaver Research Company		Emergency Telephone Number 1-800-255-3924 (Chem-Tel)
Address (Number, Street, City, State, and ZIP Code) 3700 E. Kilgore Rd., Portage, MI 49002		Telephone Number For Information 1-800-544-0133
HMIS Ratings: 4=Extreme 1=Slight 3=Serious 0=Minimal 2= Moderate	Health: 2 Flammability: 1 Reactivity: 0 Protective Equipment: B	Date Prepared 04/09/08 Signature of Preparer (optional)

Section II - Hazardous Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity; Common Name(s))	CAS#	SARA Title III SEC 313	ACGIH TLV-TWA/STEL	OSHA PEL-TWA/STEL	% By WT.
Trichloroethylene	79-01-6	Yes	50ppm/100ppm	50ppm/200ppm	> 90
Carbon Dioxide	124-38-9	No	5000ppm/30,000ppm	5000ppm/NE	3 - 5

Section III - Physical/Chemical Characteristics

Boiling Point	186.8 °F (86.1°C) estimated	Specific Gravity	1.5 estimated
Vapor Pressure	75 – 85 psig @70F	Melting Point	N/A
Vapor Density (AIR = 1)	ND	Evaporation Rate	ND
Solubility in Water	Negligible		
Appearance and Odor	Colorless, compressed liquified gas with characteristic odor in aerosol form.		

Section IV - Fire and Explosion Hazard Data

Flash Point	Flash Back	Flammability (HOC)		
0	No	0.1 kJ/g estimated		

Extinguishing Media

Carbon dioxide, water spray or dry chemical.

Special Fire Fighting Procedures

Containers should be cooled with water to prevent vapor pressure build up. Cool containers with flooding quantities of water until well after fire is out.

Unusual Fire and Explosion Hazards

CONTENTS UNDER PRESSURE. Aerosol. Pressurized container may explode when exposed to heat or flame. May be ignited by heat, sparks or flame.

Section V - Reactivity Data

Stability	Unstable	Conditions to Avoid	Heat, flames and sparks.
	Stable		

Incompatibility (Materials to Avoid)

Oxidizing agents.

Hazardous Decomposition or Byproducts

Irritants, toxic gas, may include oxides of sulphur.

Hazardous Polymerization	May Occur	Conditions to Avoid	
	N/A		

Section VI - Health Hazard Data

Route(s) of Entry:	Inhalation?	Eyes?	Skin?	Ingestion?
	Yes	Yes	Yes	Yes

Health Hazards (Acute and Chronic)

Eyes: Cause irritation. **Skin:** Prolonged or repeated contact can result in defatting and drying of the skin which may result in skin irritation and dermatitis (rash). **Inhalation:** Intentional misuse by concentrating and inhaling the product can be harmful or fatal. Irritating to respiratory system. Prolonged inhalation may be harmful. **Ingestion:** Exposure by ingestion of an aerosol is unlikely. May cause delayed lung damage. Components of the product may be absorbed into the body by ingestion.

Target organs: Kidney, Central nervous system, liver, lungs. **Signs and symptoms of exposure:** Discomfort in the chest. Narcosis. Liver enlargement. Jaundice. Defatting of the skin. Irritation.

Carcinogenicity:	NTP?	ACGIH?	IARC Monographs?	OSHA Regulated?
	No	No	2A	No

Toxicological Information

Sensitization: Not expected to be hazardous by OSHS criteria. **Local effects:** Liver toxicity. Irritating to eyes. Irritating to skin. Irritating to respiratory system. Components of the product may be absorbed into the body through the skin. **Chronic effects:** Hazardous by OSHA criteria. Repeated absorption may cause disorder of central nervous system, liver, kidneys and blood. Prolonged or repeated exposure may cause lung injury.

Medical Conditions Generally Aggravated by Exposure

May aggravate pre-existing liver and kidney conditions.

Emergency and First Aid Procedure

Eye Contact: Immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention if irritation persists. **Skin Contact:** Remove and isolate contaminated clothing and shoes. Wash off with warm water and soap. Get medical attention if irritation develops or persists. For minor skin contact, avoid spreading material on unaffected skin. **Inhalation:** Move to fresh air. Give oxygen or artificial respiration if needed. Do not use mouth-to-mouth method if victim inhaled the substance. Call a physician if symptoms develop or persist. **Ingestion:** Immediately contact a poison control center. Have victim rinse mouth thoroughly with water. Do not induce vomiting without advice from poison control center. If vomiting occurs naturally, have victim lean forward to reduce risk of aspiration. Do not use mouth-to-mouth method if victim ingested the substance. **Notes to physician:** In case of shortness of breath, give oxygen. Keep victim warm. Keep victim under observation. Symptoms may be delayed.

Section VII - Precautions for Safe Handling and Use

Steps to be Taken in Case Material is Released or Spilled

Ensure adequate ventilation. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Keep unnecessary personnel away. Eliminate all ignition sources (no smoking, flares, sparks or flames in immediate area). Stop leak if you can do so without risk. Move the cylinder to a safe open area if the leak is irreparable. Stop the flow of material if this is without risk. Prevent entry into waterways, sewers, basements or confined areas. Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal. Small spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean contaminated surface thoroughly. After removal flush contaminated area thoroughly with water.

Waste Disposal Method

Waste codes D040: Waste Trichloroethylene

Contents under pressure. Do not puncture, incinerate or crush. Dispose of this material and its container at hazardous or special waste collection point. Incinerate the material under controlled conditions in an approved incinerator. Do not allow this material to drain into sewers/water supplies. Dispose in accordance with all applicable regulations. Do not re-use empty containers.

Precautions to be Taken in Handling and Storage

Contents under pressure. Do not puncture, incinerate or crush containers. Keep away from heat, sparks and flame. Do not expose to heat or store at temperatures above 120°F (49°C) as can may burst. Avoid exposure to long periods of sunlight. Store as Level 1 Aerosol (NFPA 30B). Refrigeration recommended.

Other Precautions

Keep out of reach of children. Do not use if spray button is missing or defective. Use only with adequate ventilation.

Section VIII - Control Measures

Respiratory Protection (Specify Type)

When workers are facing concentrations above the exposure limit, they must use appropriate certified respirators. If permissible levels are exceeded, use NIOSH mechanical filter/organic vapor cartridge or an air-supplied respirator.

Ventilation	Local Exhaust	Adequate/Normal Conditions	Special	N/A
	Mechanical(General)	Optional	Other	N/A

Protective Gloves	Eye Protection
Chemical resistant gloves.	Wear chemical goggles

Other Protective Clothing or Equipment

Wear chemical resistant clothing to prevent skin contact.

Work/Hygienic Practices

Do not get this material in contact with skin. Avoid contact with eyes. When using, do not eat, drink or smoke. Handle in accordance with good industrial hygiene and safety practice.

Regulatory Information

US federal regulations: This product is a “Hazardous Chemical” as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200. All components are listed on the EPA/TSCA Inventory list.

US – CERCLA/SARA-Section 313-Emission Reporting

Trichloroethylene 79-01-6 0.1% de minimis concentration

CERCLA (Superfund) reportable quantity

Trichloroethylene: 100.0000

State regulations: WARNING: This product contains a chemical known to the State of California to cause cancer.

US – Pennsylvania – RTK (Right to Know) List

Carbon Dioxide 124-38-9 Present

Trichloroethylene 79-01-6 Environmental hazard

TRANSPORTATION (D.O.T. Classification):**Shipping Name:** Consumer Commodity**Hazard Class:** ORM-D

NG--Negligible NA--Not Applicable NE--Not Established UN--Unavailable ND--Not Determined

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