



MATERIAL SAFETY DATA SHEET

Dad's Easy Spray® Paint, Stain & Varnish Remover Professional Strength

SECTION 1 IDENTIFICATION

Product Name: Dad's Easy Spray® Paint, Stain & Varnish Remover

Manufacturer: Sansher Corporation
8005 North Clinton Street
Fort Wayne, IN 46825
(260) 484-2000
Email: info@dadseasyspray.com

Emergency Phone: 800-535-5053
1-352-323-3500 (Outside the US)

MSDS Date of Preparation: 1/10/13
MSDS Number SAN 004

SECTION 2: HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

FLAMMABLE VAPORS DANGEROUS VAPORS POISON

Flammable Vapor. Due to the unique chemical composition of this product, the liquid portion is nonflammable, however, due to methanol; vapors in a closely confined, non-ventilated area could flash. Causes eye and skin irritation. Inhalation of vapors or mist may cause respiratory irritation and central nervous system effects such as headache, dizziness, drowsiness, nausea and unconsciousness. Harmful or fatal and may cause blindness if swallowed. Overexposure may cause heart, liver, kidney, blood system and nervous system damage. Methylene chloride is converted to carbon monoxide in the body which may worsen heart disease. May cause cancer based on animal data. This product contains methylene chloride which is suspected of causing cancer. The risk of cancer depends on the level and duration of exposure.

SECTION 3 PRODUCT COMPONENTS

INGREDIENTS	CAS#	WT.%
Methylene Chloride (Dichloromethane)	75-09-2	70-80
Methanol	67-56-1	5-10
2-Butoxyethanol	111-76-2	5-10

Note: 29 CFR 1910.1052 is the OSHA regulation on Occupational Exposure to Methylene Chloride. Assure compliance with these regulations.

SECTION 4 EMERGENCY and FIRST AID PROCEDURES

EYE CONTACT: Immediately flush eye with water for at least 15 minutes, holding eyelids open to assure the eye is thoroughly flushed. Get immediate medical attention.

SKIN CONTACT: Immediately wash with soap and water for several minutes. Remove contaminated clothing and shoes. Wash contaminated clothing before reuse. Discard or thoroughly clean contaminated shoes. Get medical attention if irritation persists.

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INHALATION: Remove victim to fresh air. If breathing has stopped give artificial respiration. If breathing is difficult have qualified personnel administer oxygen. Get immediate medical attention.

INGESTION: Immediately call a physician or poison control center for assistance. . Do not induce vomiting unless directed to by medical personnel. Never give anything by mouth to a person who is unconscious or convulsing. Get immediate medical attention.

SECTION 5 FIRE and EXPLOSION HAZARD DATA

EXTINGUISHING MEDIA: Use dry chemical, carbon dioxide, alcohol foam to extinguish fire.

SPECIAL FIREFIGHTING PROCEDURES: Firefighters should wear full emergency equipment and NIOSH approved positive pressure self-contained breathing apparatus. Cool fire exposed containers with water.

UNUSUAL FIRE AND EXPLOSION HAZARDS: This product is flammable and may form explosive mixtures with air in confined or poorly ventilated areas. Vapors are heavier than air and will travel along surfaces to remote ignition sources and flash back. Closed containers may explode if exposed to extreme heat. Decomposition products are toxic.

SECTION 6 ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Evacuate spill area and keep unprotected personnel away. Remove all sources of ignition. Ventilate area with explosion proof equipment. Wear appropriate protective clothing as described in Section 8. Absorb with inert absorbent. Place in a suitable container for disposal. Avoid contamination of soil, surface water and ground water. Do not flush to sewer! Report releases as required by local, state and federal authorities.

SECTION 7 HANDLING and STORAGE

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: Protect containers from physical damage. Store in a cool, well ventilated area away from ignition sources and incompatible materials.

Avoid contact with eyes, skin and clothing. Avoid breathing vapors. Use only with appropriate protective equipment and adequate ventilation. Immediately remove and launder contaminated clothing before re-use. Wash thoroughly after handling and before eating, drinking, smoking or using toilet facilities. Avoid use where carbon monoxide may be present (i.e. garages, loading docks). Keep away from heat, direct sunlight and all sources of ignition.

Refer to OSHA 1910.1052 for requirements for handling and use of methylene chloride.

OTHER PRECAUTIONS: Empty containers retain product residues. Follow all MSDS precautions in handling empty containers.

SECTION 8 EXPOSURE CONTROLS and PERSONAL PROTECTION

Exposure Guidelines:

INGREDIENTS

Methylene Chloride
(Dichloromethane)

CAS#

75-09-2

EXPOSURE LIMITS

25 ppm TWA OSHA PEL
125 ppm STEL OSHA PEL
50 ppm TWA ACGIH LTV

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Methanol	67-56-1	200 ppm TWA OSHA PEL 200 ppm TWA ACGIH TLV 250 ppm STEL ACGIH TLV
2-Butoxyethanol	111-76-2	50 ppm , skin TWA OSHA PEL 20 ppm TWA ACGIH TLV

RESPIRATORY PROTECTION: If the exposure limits are exceeded a NIOSH approved full facepiece supplied air respirator or self-contained breathing apparatus should be used. Selection and use of respiratory equipment must be in accordance with OSHA 1910.134, 1910.1052 and good industrial hygiene practice.

VENTILATION: Use with adequate ventilation (equivalent to outdoors) to maintain exposures below the occupational exposure limits. Use explosion proof equipment where required. Open doors and use fans to achieve good air movement. If possible, use local exhaust to remove vapors.

GLOVES: Wear impervious gloves. Contact glove supplier to determine correct glove for this product.

PROTECTIVE CLOTHING: Impervious apron, boots and other clothing are recommended if needed to prevent contact or if splashing is possible.

EYE PROTECTION: Chemical safety goggles recommended.

OTHER PROTECTIVE EQUIPMENT: For operations where contact can occur, eye washing facilities should be available.

SECTION 9 PHYSICAL and CHEMICAL PROPERTIES

APPEARANCE AND ODOR: Opaque liquid, low characteristic odor.

BOILING POINT (@ 760 mmHg): 104°F (methylene chloride)

SPECIFIC GRAVITY (H₂O=1): 1.16

VAPOR PRESSURE (@ 20°C mm Hg): 350

EVAPORATION RATE (Butyl alcohol = 1): 14.5

COEFFICIENT OF WATER/OIL: Not determined

FLASH POINT: 75.7°F (24.3°C) *

FLAMMABLE LIMITS: (vol % in air) LEL 1.1% (2-butoxyethanol)

AUTOIGNITION TEMPERATURE: Not available

MELTING POINT: Not determined

VAPOR DENSITY (AIR=1): 2.93

SOLUBILITY IN WATER: Rinseable

pH: N/A

METHOD: ASTM D-3278-96 Method B

UEL: 36% (methanol)

SECTION 10 STABILITY and REACTIVITY

STABILITY: This material is stable.

CONDITIONS TO AVOID: Avoid contact with open flames, electric arc and other hot surfaces which can cause thermal decomposition. Contact with moisture may yield trichloroacetic acid and hydrochloric acid.

INCOMPATIBILITY: Strong oxidizing agents, caustics, nitric acid, chemically active metals, including aluminum, magnesium, potassium and sodium.

HAZARDOUS DECOMPOSITION PRODUCTS: Thermal decomposition may yield carbon monoxide, carbon dioxide, hydrogen chloride and phosgene.

HAZARDOUS POLYMERIZATION: Will not occur.

SECTION 11 TOXICOLOGICAL INFORMATION

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INHALATION: Inhalation of vapors or mists may cause mucous membrane and respiratory irritation and central nervous system depression with symptoms of headache, dizziness, giddiness, intoxication, tingling, numbness and shooting pains in the hands and arms, nausea, incoordination, drunkenness, stupor, irregular heartbeat. Overexposure may cause cardiac sensitization and increased risk of cardiac arrest, blurred vision, blindness, adverse effects on the lungs, liver, kidney, nervous system and other internal organs, coma or death. Carboxyhemoglobin levels can be elevated in persons exposed to methylene chloride causing stress on the cardiovascular system. Alcohol consumption may increase adverse effects.

SKIN CONTACT: Prolonged or repeated contact may cause severe irritation or burns, drying, defatting of the skin and dermatitis. The liquid may be absorbed through the skin causing effects similar to those described under inhalation and ingestion.

EYE CONTACT: Vapors or mists may cause irritation, redness, tearing and swelling. Direct contact may cause corneal damage.

INGESTION: Ingestion may cause mucous membrane and gastrointestinal irritation, visual disturbances and nervous system depression with symptoms of headache, dizziness, nausea, vomiting, weakness, fatigue, leg cramps, restlessness, confusion, drunken behavior, narcosis, and unconsciousness. Alcohol consumed before or after exposure may increase adverse effects. Aspiration into the lungs during ingestion or vomiting may cause serious lung damage which may be fatal. Methanol is very slowly eliminated from the body. Ingestion of methanol may cause nervous system effects, blurred vision, changes in color perception, blindness, coma and death.

CHRONIC EFFECTS OF OVEREXPOSURE: Prolonged occupational overexposure may cause effects on vision and damage to the kidneys, liver, lungs and cardiovascular system. Prolonged intentional abuse may damage many organ systems including central and peripheral nervous systems, vision, liver, kidneys, lymphoid system, heart and blood. Methylene chloride has been shown to cause reproductive toxicity and/or birth defects only at doses that produce significant toxicity in the parent animal.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: Individuals with chronic respiratory, heart or skin diseases may be at increased risk from exposure to this material.

CARCINOGEN STATUS: Methylene chloride has been listed as "possibly carcinogenic to humans" (Group 2B) by IARC, "reasonably anticipated to be a human carcinogen" (R) by NTP, "confirmed animal carcinogen with unknown relevance to humans" (A3) by ACGIH and as a carcinogen by OSHA.

MUTAGENICITY: Methylene chloride and methanol have been shown to cause mutagenicity in some test systems.

SENSITIZATION: None of the components are known to cause sensitization in animals or humans.

REPRODUCTIVE EFFECTS: Methylene chloride and methanol have been shown to cause reproductive toxicity and/or birth defects only at doses that produce significant toxicity in the parent animal.

ACUTE TOXICITY DATA:

Methylene Chloride: Oral rat LD50 1600 mg/kg; Inhalation mouse LC50 86 mg/L/4 hr; Skin rat LD50>2000 mg/kg.

Methanol: Oral rat LD50 5628 mg/kg; Inhalation rat LC50 64,000 ppm/4 hr; Skin rabbit 15,800 mg/kg

2-Butoxyethanol: Oral rat LD50 1.48 g/kg; Skin rabbit LD50 400 mg/kg; Inhalation rat LC50 450 pp/4 hr

SECTION 12: ECOLOGICAL INFORMATION

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Methylene Chloride: 96 hr LC50 Pimephales promelas (fathead minnows) 196 mg/l; LC50 daphnia magna 480 mg/L

Methanol: 96 hr LC50 Lepomis macrochirus (Bluegill) 15,400 mg/L; 48 hr LC50 Ceriodaphnia dubia 11 mg/L

2-Butoxyethanol: 96 hr LC50 Cyprinodon variegatus (Sheepshead minnow) 116 mg/L; 96 hr LC50 grass shrimp 5.4 mg/L

SECTION 13: DISPOSAL INFORMATION

WASTE DISPOSAL METHOD: Dispose in accordance with all local, state and federal regulations.

SECTION 14: TRANSPORTATION INFORMATION

DOT SHIPPING NAME: UN1992, Flammable liquid, toxic n.o.s. (Methanol, Dichloromethane) 3 (6.1), PGIII

DOT HAZARD CLASSIFICATION: Class 3 (6.1)

DOT LABELS REQUIRED (49CFR172.101): Flammable Liquid, Toxic

UN NUMBER: UN 1992

For packages less than 5 liter or smaller, gross mass 30 kg or less may be re-classed as ORM-D and can be shipped by ground until 1/1/2014. After that date, this product can be shipped as Limited Quantity.

SECTION 15: REGULATORY INFORMATION

OSHA HAZARD CLASSIFICATION: Irritant, toxic, flammable, carcinogen, target organ effects

EPA SARA 302: This product does not contain chemicals regulated under SARA Section 302.

EPA SARA 311 HAZARD CLASSIFICATION: Acute health, Chronic Health, Fire Hazard

EPA SARA 313: This product contains the following chemicals regulated under SARA Title III, section 313:

Methylene Chloride	75-09-2	70-80%
Methanol	67-56-1	5-10%
2-Butoxyethanol (glycol ethers)	111-76-2	5-10%

CERCLA: This product has a Reportable Quantity (RQ) of 1250 lbs. based on the RQ for methylene chloride of 1000 lbs. Releases above the RQ must be reported to the National Response Center. Many states have more stringent release reporting requirements. Report spills required under federal, state and local regulations.

WHMIS CLASSIFICATION: Class B - Division 2 (Flammable liquid); Class D - Division 1B (Toxic material causing immediate and serious toxic effects); Class D - Division 2A (Very toxic material causing other toxic effects)

TOXIC SUBSTANCES CONTROL ACT: All of the components of this product are listed on the TSCA inventory.

CALIFORNIA PROPOSITION 65: This product contains methylene chloride which is known to the State of California to cause cancer.

SECTION 16: OTHER INFORMATION

NFPA Rating: Health: 3 Fire: 3 Instability: 0

* Due to the unique chemical composition of this product, the liquid portion is nonflammable, however, due to methanol; vapors in a closely confined, non-ventilated area could flash.

NOTICE: Sansher Corporation warrants that the information given within to be true and makes no other warranties. The suitability of this product to the project shall solely up to the user.