

SC0681

MATERIAL SAFETY DATA SHEET

SECTION 1: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

COMPANY INFORMATION

H.B. Fuller Company
3530 Lexington Avenue N.
St. Paul, MN 55126-8076
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MSDS INFORMATION

Preparation Date: 04/12/95
Supersedes: None
Prepared By: Industrial Hygiene
Phone Number: 651-236-5842

Medical Emergency Phone Number: 1-888-853-1758
Transport Emergency Phone Number (CHEMTREC): 1-800-424-9300

PRODUCT INFORMATION

Product Name/Number: SC-0681
Product Description (product use): Solvent based adhesive

SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

This Material Safety Data Sheet is prepared to comply with the United States Occupational Safety and Health Administration (OSHA) Hazard Communication Standard (29 CFR 1910.1200) and the Canadian Workplace Hazardous Materials Information System (WHMIS). Unlisted ingredients are not 'hazardous' per the OSHA standard and/or are not found on the WHMIS ingredient disclosure list.

Chemical/CAS Number	Percent	OSHA PEL	ACGIH TLV
Stoddard solvent (8052-41-3) (Mineral spirits)	10-30%	100 ppm	100 ppm
LD50: No data found LC50: No data found			
Vapor pressure, in mm Hg @ 20 C: 2			
Castor oil (8001-79-4)	1-5%	5 mg/M3*	5 mg/M3*
LD50: No data found LC50: No data found			
*Theses exposure limits are for mineral oil mist, a material similar to castor oil mist			
ACGIH STEL: 10 mg/M3			

See Section 16 for additional information.

SECTION 3: HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

Combustible
Eye irritant
Contact will dry and defat the skin
Vapors harmful
Harmful if swallowed
Possible cancer hazard. Contains a material which may cause cancer.

POTENTIAL HEALTH EFFECTS

Eyes: Contact with the product or high vapor levels will cause irritation.

Skin: Liquid contact will dry and defat the skin. Prolonged or repeated contact may cause irritation and sensitization.

Inhalation: Overexposure to vapors in poorly ventilated areas will cause irritation of the nose, throat and respiratory tract and may cause dizziness, headaches, nausea or unconsciousness.

Ingestion: Harmful if swallowed.

Chronic: When the product is in its final form and is abraded or disturbed, dusting may occur and crystalline silica may be released into the air. Long-term overexposure to crystalline silica may cause permanent lung damage and reduced pulmonary function.

Long-term overexposure to solvents may cause liver and kidney damage.

REGULATED CARCINOGEN STATUS:

Crystalline silica is listed as a potential carcinogen by NTP and IARC.

Existing Health Conditions Affected by Exposure: No known effects on other illnesses.

SECTION 4: FIRST AID MEASURES

If in eye: Flush immediately with large amounts of water for at least 15 minutes. Call a physician.

If on skin: Wash affected area with soap and water. Launder contaminated clothing before reuse.

If vapors inhaled: Remove from exposure. Restore breathing if necessary. Keep warm and quiet. Call a physician.

If ingested: If person can swallow, give one glass of water or milk. Do not induce vomiting. Get immediate medical attention. Never give anything by mouth to an unconscious person.

SECTION 5: FIRE FIGHTING MEASURES

Flash Point/Method: 105 degrees F TCC, 41 degrees C

Upper Explosive Limit/Lower Explosive Limit: Not established

Autoignition Temperature: Not established

Appropriate Extinguishers: Use water spray, foam, dry chemical or carbon dioxide.

Special Fire Fighting Procedures: Persons exposed to products of combustion should wear self-contained breathing apparatus and full protective equipment.

Unusual Fire and Explosion Hazards: There is the possibility of pressure buildup in closed containers when heated. Water spray may be used to cool the containers.

Hazardous Combustion Product: Incomplete combustion can yield low

molecular weight hydrocarbons, carbon monoxide

SECTION 6: ACCIDENTAL RELEASE MEASURES

Spill or Leak Procedures: Remove all sources of ignition. Ventilate area. Avoid breathing vapors. Dike and contain spill with inert absorbent and transfer to container for disposal. Use non-sparking tools. Keep spill out of sewers.

SECTION 7: HANDLING AND STORAGE

HANDLING INFORMATION

Keep away from heat, sparks and flame
Avoid breathing vapors
Use only with adequate ventilation
Avoid contact with eyes, skin and clothing
Wash thoroughly after handling
Keep container closed
Emptied container retains vapor and product residue
Observe all labeled precautions until container is cleaned
DO NOT CUT OR WELD ON OR NEAR THIS CONTAINER

STORAGE INFORMATION

Consult the Technical Data Sheet for specific storage instructions.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Eye Protection: Wear safety glasses to reduce the potential for eye contact; chemical safety goggles are appropriate if splashing is likely. Have eye washes available where eye contact can occur.

Skin Protection: Prevent contact by using rubber gloves and appropriate protective clothing. Launder contaminated clothing before reuse.

Respiratory Protection: Use NIOSH/MSHA approved equipment - organic vapor respirators when airborne exposure limits are exceeded.

Ventilation: Local exhaust ventilation preferred. Provide ventilation to control contaminant levels below airborne exposure limits.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Liquid
Color:	Characteristic color
Odor:	Pungent, solvent
Odor Threshold:	Not established
Weight per Gallon:	10.51 lbs.
Specific Gravity:	1.26
% Solids by Weight:	78
pH:	Not applicable
Boiling Range:	Greater than 200 F (93 C)
Freezing/Melting Point:	Not applicable
Vapor Pressure:	Not established
Vapor Density:	Not established
Evaporation Rate:	Not established
Water/Oil Partition Coefficient:	Not established

VOC: 277 g VOC/liter of material
(VOC theoretically determined using EPA
Publication 450/3-84-019)

VOC, less water: 277 g VOC/liter of material, less water and
exempt solvents
(VOC theoretically determined using EPA
Publication 450/3-84-019.)

SECTION 10: STABILITY AND REACTIVITY DATA

Stability: Stable

Incompatibility: Not established

Hazardous Decomposition: Not established

Hazardous Polymerization: Will not occur

SECTION 11: TOXICOLOGICAL INFORMATION

No data available

SECTION 12: ECOLOGICAL INFORMATION

No data available

SECTION 13: DISPOSAL CONSIDERATIONS

This product meets the definition of hazardous waste under the U.S. EPA Hazardous Waste Regulations 40 CFR 261. It is ignitable waste class D001. Disposal via incineration is recommended. Consult your state, local, or provincial authorities for more restrictive requirements.

SECTION 14: TRANSPORTATION INFORMATION

UNITED STATES DEPARTMENT OF TRANSPORTATION (DOT)

DOT Proper Shipping Name: Adhesives
DOT Hazard Class/I.D. Code: 3, UN-1133
DOT Label: Flammable Liquid
DOT Packaging Group: III

It is our opinion that the information provided here may be used to transport this product in compliance with Canadian Transportation of Dangerous Goods.

SECTION 15: REGULATORY INFORMATION

FEDERAL

Toxic Substances Control Act (TSCA)

Section 8(b) - Inventory Status

All components of this product are registered under the regulations of the Toxic Substances Control Act.

Section 12(b) - Export Notice Requirements

This product contains a chemical substance that is currently on the EPA's Section 12(b) Export List. Within seven days of entering into a contract to export and certainly no later than the day of export, the agent of export must notify the EPA of their intent.

Contact the H.B. Fuller TSCA Compliance Manager at 651/415-5858 for the identity of the Section 12(b) chemical(s).

SARA TITLE III

Section 313: This product does not contain regulated levels of any toxic chemical subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA) and 40 CFR part 372.

STATE REGULATIONS

California Proposition 65: Proposition 65, The Safe Drinking Water and Toxic Enforcement Act of 1986:

This product contains chemical(s) known to the state of California to cause cancer (c) or reproductive (r) damage.
0.1-1.0% Crystalline silica (c) 14808-60-7
listed October 1, 1988

WHMIS IDENTIFICATION/OTHER INTERNATIONAL REGULATIONS

B3, D2B

SECTION 16: ADDITIONAL INFORMATION

Drums of this material should be grounded when pouring.
This product contains the following substance(s) identified by OSHA, WHMIS, or the ACGIH as hazardous. During normal use, the material will not present an exposure risk. Once the product has reached its final state and is abraded or disturbed, dusting and exposure may occur.

30-50% Calcium carbonate (1317-65-3)
Exposure limit total dust 15 mg/M3 (OSHA) 10 mg/M3 (ACGIH)
Exposure limit respirable dust 5 mg/M3 (OSHA)
LD50: No data found LC50: No data found

0.1-1.0% Silica-crystalline (14808-60-7)
Exposure limit respirable dust 0.1 mg/M3 (OSHA) 0.1 mg/M3 (ACGIH)
LD50: No data found LC50: No data found

5-10% Talc-containing no asbestos fibers (14807-96-6)
Exposure limit total dust 15 mg/M3 (OSHA) 10 mg/M3 (ACGIH)
Exposure limit respirable dust 2 mg/M3 (OSHA) 2 mg/M3 (ACGIH)
LD50: No data found LC50: No data found

1-5% Titanium dioxide (13463-67-7)
Exposure limit total dust 10 mg/M3 (OSHA) 10 mg/M3 (ACGIH)
Exposure limit respirable dust 5 mg/M3 (OSHA)
LD50: No data found LC50: No data found

HMIS RATING

Health-2 Flammability-2 Reactivity-0

See SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION for personal protective equipment recommendations.

The information and recommendations set forth herein are believed to be accurate. Because some of the information is derived from information provided to the H.B. Fuller Company from its suppliers, and because the H.B. Fuller Company has no control over the conditions of handling and use, the H.B. Fuller Company makes no warranty, express or implied, regarding the accuracy of the data or the results to be obtained from the use thereof. The information is supplied solely for your information and consideration, and the H.B. Fuller Company assumes no responsibility from use or reliance thereon. It is the responsibility of the user of H.B. Fuller Company products to comply with all applicable federal, state and local laws and regulations.