

# MATERIAL SAFETY DATA SHEET

C.D. PRODUCTS, INC.  
918 N. Union St..  
Appleton, WI 54911

emergency telephone #  
(920)-739-8685  
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## SECTION I: PRODUCT IDENTIFICATION

PRODUCT NAME- SAFETY SOLVENT

PRODUCT #- SS-201

PRODUCT CLASS- COMBUSTABLE LIQUID

HMIS CODE HEALTH-1, FIRE-1, REACTIVITY-0

HAZARD RATING: 0=LEAST, 1=SLIGHT, 2=MODERATE, 3=HIGH, 4=EXTREME

## SECTION II: HAZARDOUS INGREDIENTS

	CAS #	%	PEL	TLV
perchloroethylene	000127-18-4	<30	100	50PPM (1)
aliphatic hydrocarbon	8052-41-3	>60	500	100 (2)
methelene chloride	000075-09-2	<30	500	100 (3)

1. NIOSH recommends a limit of 50ppm-8hr time weighted average.

2. NIOSH recommends a limit of 350ppm-8hr time weighted average. 1800 mg/cu M as determined by a 15 minute sample

3. NIOSH recommends a limit of 75ppm-8hr time weighted average.

## SECTION III: PHYSICAL DATA

BOILING RANGE: > component a 103F

EVAPORATION RATE VS BUTYL ACETATE: slower

VAPOR DENSITY VS AIR: heavier

SOLUBILITY IN WATER: not soluble

APPEARANCE AND ODOR: clear liquid

PERCENT VOLATILE BY VOLUME: 100%

WEIGHT PER GALLON: less than water

## SECTION IV: FIRE AND EXPLOSION HAZARD DATA

FLASH POINT ( F ): 100-200F

LEL: 1%

EXTINGUISHING MEDIA: foam, carbon dioxide or dry chemical

HAZARDOUS DECOMPOSITION PRODUCTS: carbon dioxide, carbon monoxide, hydrogen cloroide

SPECIAL FIRE FIGHTING PROCEDURES: water spray to keep containers cool, and to protect persons attempting to stop leaks. Wear self contained breathing apparatus with a full face piece operated in the positive pressure demand mode, goggles and full protective clothing. Water or foam may cause frothing which can be violent and possibly endanger the life of the firefighter, especially is sprayed into containers of hot, burning liquid.

UNUSUAL FIRE AND EXPLOSION HAZARDS: closed containers may explode due to build up of pressure from excessive heat. vapors are heavier than air and may travel along the ground or may be moved by ventilation and ignited by pilot lights or other ignition sources at locations distant from the material handling point. Never weld on or near drum. Liquids or residues may ignite explosively.

#### SECTION V: HEALTH HAZARD DATA - EFFECTS OF OVER EXPOSURE

**INGESTION:** can cause gastrointestinal irritation, nausea, vomiting and diarrhea. Aspiration of material into the lungs can cause chemical pneumonitis which can be fatal.

**INHALATION:** excessive inhalation of vapors can cause nasal and respiratory irritation, central nervous system effects including dizziness, weakness, fatigue, nausea, headache and possible unconsciousness, and even death.

**SKIN ABSORPTION:** prolonged or repeated contact can cause moderate irritation, defatting, dermatitis.

**SKIN CONTACT:** above

**EYE CONTACT:** can cause severe irritation, redness, tearing, blurred vision.

**EFFECTS OF CHRONIC OVER EXPOSURE:** NA

#### EMERGENCY FIRST AID PROCEDURES

**EYE CONTACT:** flush with water for 15 minutes and seek medical attention

**SKIN CONTACT:** wash immediately with soap and water, remove contaminated clothing and launder before reuse.

**INGESTION:** do not induce vomiting, keep person warm and quiet and seek medical attention

**INHALATION:** remove to fresh air. If breathing is difficult administer oxygen. If breathing has stopped administer artificial respiration. Keep person warm and quiet and seek medical attention.

#### SECTION VI: REACTIVITY DATA

**STABILITY:** stable

**HAZARDOUS POLYMERIZATION:** does not occur.

**CONDITIONS TO AVOIDS** excessive heat

#### SECTION VII: SPILL OR LEAK PROCEDURE

**STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:** eliminate ignition sources, absorb with inert material, eg- sand, scoop up and put into disposal container. flush area with water, prevent washdowns from entering the sewers and water ways. Uncontrolled spills which exceed one gallon may be reportable to the National Response Center. For small spills, the styrene may be allowed to evaporate and the dry resin then disposed of.

**WASTE DISPOSAL METHOD:** Incinerate in furnace or dispose of in accordance with applicable local, state, and federal regulations.

#### SECTION VIII: SPECIAL PROTECTION INFORMATION

**RESPIRATORY:** use with adequate ventilation. NIOSH/MSA approved respirators if used in confined areas or should be used where ventilation is not adequate. Niosh approved air-line respirators with auxiliary escape air tanks or self contained breathing apparatus should be used in confined spaces.

**VENTILATION:** local exhaust recommended when appropriate to control employee exposure.

**PROTECTIVE GLOVES:** Neoprene, nitrile rubber -should be worn

**EYE PROTECTION:** chemical splash goggles

**OTHER PROTECTIVE EQUIPMENT:** normal work clothing covering arms and legs

#### SECTION IX: SPECIAL PRECAUTIONS

**PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING:** avoid skin contact, remove and launder contaminated clothing. Empty containers may contain residual flammable vapors so all hazard precautions should be observed.

**NOTE:** To the best of our knowledge, the information contained herein is accurate. However C.D. Products. Inc assumes no liability whatsoever for the accuracy or completeness of the information contained herein. The final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown health hazards and should be used with

caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards which exist.**SPECIAL FIRE FIGHTING PROCEDURES:** none  
**UNUSUAL FIRE AND EXPLOSION HAZARDS:** none