

MATERIAL SAFETY DATA SHEET



Date Issued: 07/21/2000
 MSDS No: 210180
 Date-Revised: 07/23/2007
 Revision No: 5

Mineral Spirits

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Mineral Spirits
PRODUCT DESCRIPTION: Mineral Spirits
PRODUCT CODE: 210180
PRODUCT FORMULATION NAME: Mineral Spirits
CHEMICAL FAMILY: Petroleum Hydrocarbons
MOLECULAR FORMULA: Mixture
GENERIC NAME: Stoddard Solvent, NAPHTHA SOLVENT

MANUFACTURER

Americhem Sales Corporation
 340 North Street
 Mason MI 48854
Emergency Contact: CHEMTREC or CANUTEC
Transportation: 517-676-9363
Service Number: 517-676-9363

24 HR. EMERGENCY TELEPHONE NUMBERS

CHEMTREC (U.S.): (800) 424-9300
CANUTEC (613) 996-6666

COMMENTS: To the best of our knowledge, this Material Safety Data Sheet conforms to the requirements of US OSHA 29 CFR 1910.1200, 91/155/EEC and Canadian Hazardous Products Act.

2. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

PHYSICAL APPEARANCE: Clear, Colorless liquid.
IMMEDIATE CONCERNS: CAUTION! May cause eye and skin irritation.

POTENTIAL HEALTH EFFECTS

EYES: Moderate Irritation and Discomfort.
SKIN: Moderate irritation and discomfort possible. Defatting of skin, redness and chemical dermatitis possible. Toxic systemic effects from absorption are possible.
INGESTION: Gastrointestinal tract irritation and/or discomfort is possible.
INHALATION: Moderate respiratory discomfort and/or headaches. Toxic systemic effects from inhalation are expected to be minor.

SIGNS AND SYMPTOMS OF OVEREXPOSURE

CHRONIC EFFECTS: Chronic effects of ingestion and subsequent aspiration into the lungs may cause pneumatocele (lung tumor) formation and chronic lung dysfunction.

ROUTES OF ENTRY: Absorption, Inhalation, Ingestion

TARGET ORGAN STATEMENT: This substance is toxic to lungs, CNS, brain, mucous membranes, skin, eyes, and possibly the blood, liver, kidneys, and reproductive systems.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Wt.%	CAS	EINECS
Stoddard solvent	100	8052-41-3	232-489-3

4. FIRST AID MEASURES

EYES: Immediately flush eyes with plenty of water for 15 minutes. If irritation persists, seek medical attention.

SKIN: Remove contaminated clothing, wash contaminated area thoroughly with soap and water. If redness or irritation occurs, seek medical attention.

INGESTION: Do not induce vomiting due to aspiration hazard. If vomiting occurs lower head below knees to avoid aspiration. Seek immediate medical attention.

INHALATION: Remove victim from area of exposure. If unconscious, give oxygen. Give artificial respiration if not breathing. Get immediate medical attention.

5. FIRE FIGHTING MEASURES

FLASHPOINT AND METHOD: (105°F) to (110°F) ASTM D56

FLAMMABLE LIMITS: 0.5 to 6.0

AUTOIGNITION TEMPERATURE: (446°F)

EXTINGUISHING MEDIA: Use dry chemical, foam, or carbon dioxide.

HAZARDOUS COMBUSTION PRODUCTS: Oxides of carbon and noxious fumes.

EXPLOSION HAZARDS: Vapor accumulations may flash and/or explode if ignited. Keep ignition sources, open flames, ect., away from these fumes.

FIRE FIGHTING PROCEDURES: Proper respiratory equipment to protect against the hazardous effects of combustion products is recommended. Water in a straight hose stream may cause fire to spread and should be used as a cooling medium only.

6. ACCIDENTAL RELEASE MEASURES

SMALL SPILL: Extinguish possible sources of ignition. Evacuate all unprotected personnel and ventilate area. Only personnel equipped with proper respiratory, skin/eye protection should enter spill area. Dike area to contain spill and clean up by absorbing on an inert absorbant or other means. Don't flush into sewers or natural waterways.

LARGE SPILL: Contain material as described above and call the local fire or police department for immediate emergency assistance.

7. HANDLING AND STORAGE

HANDLING: Store in a cool, dry, ventilated area away from excessive heat, sparks and open flames. Avoid prolonged or repeated contact with skin and/or breathing of vapors when handling. Keep containers closed when not in use.

STORAGE: Store unopened containers under cool, dry and ventilated conditions. Keep away from heat, sparks and flame.

STORAGE TEMPERATURE: Ambient

SHELF LIFE: THE SHELF LIFE OF THIS PRODUCT IS UNDETERMINED, BUT MAY BECOME SUSPECT ONE YEAR FROM THE DATE OF PURCHASE.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE GUIDELINES

OSHA HAZARDOUS COMPONENTS (29 CFR1910.1200)							
		EXPOSURE LIMITS					
		OSHA PEL		ACGIH TLV		SupplierOEL	
Chemical Name		ppm	mg/m ³	ppm	mg/m ³	ppm	mg/m ³
Stoddard solvent	TWA	100 ppm	525 mg/m ³	100 ppm	525 mg/m ³	NL	NL
	STEL	NL ppm	NL mg/m ³	NL ppm	NL mg/m ³	NL	NL

ENGINEERING CONTROLS: If current ventilation practices are not adequate to maintain airborne concentrations below the established exposure guidelines, additional ventilation or exhaust systems may be required. Where explosive mixtures may be present, electrical systems safe for such locations must be used.

PERSONAL PROTECTIVE EQUIPMENT

EYES AND FACE: Wear safety glasses with side shields or goggles when handling this material.

SKIN: To prevent any contact, wear impervious protective clothing such as neoprene or butyl rubber gloves, apron, boots or whole bodysuit, as appropriate.

RESPIRATORY: Use NIOSH/MSHA approved respirators when vapors or mist concentrations exceed permissible exposure limits.

PROTECTIVE CLOTHING: Chemical resistant boots, apron, etc. as necessary to prevent contamination of clothing and skin contact.

WORK HYGIENIC PRACTICES: Good personal hygiene practices should always be followed.

9. PHYSICAL AND CHEMICAL PROPERTIES

Chemical Name	Flash Point	Specific Gravity
Stoddard solvent	106	0.79

PHYSICAL STATE: Liquid

ODOR: Mild Hydrocarbon Odor

APPEARANCE: Clear

COLOR: Colorless

pH: Not Applicable

PERCENT VOLATILE: 100

VAPOR PRESSURE: 2.1 mmHg at (68°F)

VAPOR DENSITY: 4.7 (Air=1)

BOILING POINT: (300°F) to (400°F) ASTM D-2887

FREEZING POINT: (-85°F) to (-13°F)

FLASHPOINT AND METHOD: (105°F) to (110°F) ASTM D56

SOLUBILITY IN WATER: Negligible

EVAPORATION RATE: Not Available

SPECIFIC GRAVITY: 0.780 to 0.79 (water=1)

10. STABILITY AND REACTIVITY

STABLE: Yes

HAZARDOUS POLYMERIZATION: No

STABILITY: Stable

POLYMERIZATION: Will not occur

CONDITIONS TO AVOID: Exposure to excessive heat, open flames and sparks. Avoid conditions that favor the formation of excessive mists and/or fumes.

HAZARDOUS DECOMPOSITION PRODUCTS: Oxides of Carbon when burned.

INCOMPATIBLE MATERIALS: Strong oxidizing agents.

11. TOXICOLOGICAL INFORMATION

GENERAL COMMENTS: Studies on laboratory animals have associated similar materials with eye and respiratory tract irritation. Studies on laboratory animals have shown similar materials to cause skin irritation after repeated or prolonged contact.

12. ECOLOGICAL INFORMATION

ENVIRONMENTAL DATA: This naphtha is potentially toxic to freshwater and saltwater ecosystems. It will normally float on water with its lighter components evaporating rapidly.

ECOTOXICOLOGICAL INFORMATION: Ecological effects testing has not been conducted on this material. If spilled, this naphtha, its storage tank water bottoms and sludge, and any contaminated soil or water may be hazardous to human, animal, and aquatic life. If released from its container, this material will probably contribute to the creation of atmospheric smog. n-Heptane, heptane isomers, and octane isomers all have estimated half-lives, of between 2.4 and 4.4 days in air when photochemical hydroxyl and/or nitrate radicals are present.

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: Conditions of use may cause this material to become a hazardous waste as defined by state or federal law. Use approved treatment, transporters and disposal sites.

FOR LARGE SPILLS: Extinguish possible sources of ignition. Evacuate all unprotected personnel and ventilate area. Only personnel equipped with proper respiratory, skin/eye protection should enter spill area. Dike area to contain spill and clean up by absorbing on an inert absorbent or other means. Don't flush into sewers or natural waterways.

PRODUCT DISPOSAL: Dispose of at a supervised incineration facility or an appropriate waste disposal facility according to current applicable laws and regulations and product characteristics at time of disposal.

EMPTY CONTAINER: Vapor accumulations may flash and/or explode if ignited. Keep ignition sources, open flames, etc. away from these fumes.

14. TRANSPORT INFORMATION

DOT (DEPARTMENT OF TRANSPORTATION)

PRIMARY HAZARD CLASS/DIVISION: 3

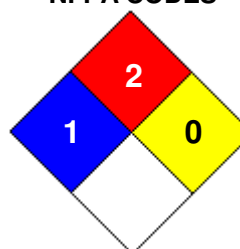
UN/NA NUMBER: 1268

PACKING GROUP: III**LABEL:** Flammable Liquid**15. REGULATORY INFORMATION****UNITED STATES****SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)****311/312 HAZARD CATEGORIES:** Fire Hazard, Acute (Immediate) Health Hazard.**FIRE:** Yes **PRESSURE GENERATING:** No **REACTIVITY:** No **ACUTE:** Yes **CHRONIC:** Yes**313 REPORTABLE INGREDIENTS:** 1,2,4-Trimethylbenzene (Pseudocumene) [CAS No. 95-63-6] conc.: 1 to 4%**CERCLA (COMPREHENSIVE RESPONSE, COMPENSATION, AND LIABILITY ACT)****CERCLA RQ:** Xylenes (RQ = 100 lbs.) conc.: 0.001 to 0.36% Ethylbenzene (RQ = 1000 lbs.) conc.: 0 to 0.072%
Cumene (RQ = 5000 lbs.) conc.: 0.43 to 0.72%**TSCA (TOXIC SUBSTANCE CONTROL ACT)**

Chemical Name	CAS
Stoddard solvent	8052-41-3

TSCA REGULATORY: This material or its components are listed in the TSCA inventory.**CALIFORNIA PROPOSITION 65:** None known**16. OTHER INFORMATION****REVISION SUMMARY:** Revision #: 5 This MSDS replaces the July 20, 2006 MSDS. Any changes in information are as follows: In Section 11 Toxicological**HMIS RATING**

HEALTH:	*	2
FLAMMABILITY:		2
PHYSICAL HAZARD:		0
PERSONAL PROTECTION:	X	

NFPA CODES**ADDITIONAL MSDS INFORMATION:** Caution! Combustible. Treat as an NFPA/OSHA Class II Combustible Liquid.

Excessive exposure to vapors or mists may cause irritation to eyes, nose, and throat, and result in CNS effects such as dizziness, loss of balance/coordination, unconsciousness, coma, respiratory failure and death. Prolonged or repeated skin contact removes natural oils and fats and may cause chemical dermatitis. Pre-existing medical conditions aggravated by exposure to this product include diseases/disorders of the skin, eye, liver, kidney, nervous system, lung and respiratory systems.

MANUFACTURER DISCLAIMER: The information in this MSDS was obtained from sources which we believe are reliable. However, the above information is provided without warranty, expressed or implied, regarding its correctness. The conditions or methods of handling, storage, use and disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product.