

MATERIAL SAFETY DATA SHEET

SECTION I - PRODUCT IDENTIFICATION AND USE

PRODUCT IDENTIFIER: WRS MINERAL SPIRITS

PRODUCT USE: INDUSTRIAL SOLVENT

SUPPLIER: WRS ENVIRONMENTAL

ADDRESS: 67 ORKNEY PLACE, EAST ST. PAUL, MB, R2E 0G9

TELEPHONE NUMBER: (204) 661-3683

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EMPIRE'S
SOLVENT
TANK

SECTION II - HAZARDOUS INGREDIENTS

Ingredient	CAS Number	Weight %	ACGIH TLV
STODDART SOLVENT	8052-41-3	100 %	100 ppm

LD50 (dermal, rabbit): greater than 3000 mg/kg

LC50 (rat): greater than 5500 mg/m³ (880 ppm) (4 hours)

LC50 (rat): greater than 1300 ppm (4-hour exposure)

LD50 (oral, rat): greater than 5000 mg/kg

SECTION III - PHYSICAL DATA

PHYSICAL STATE: Liquid SPECIFIC GRAVITY: .789
ODOUR AND APPEARANCE: Clear to light yellow liquid. Kerosene or hydrocarbon odour.
pH: Not available. ODOUR THRESHOLD: Not available.
VAPOUR PRESSURE @25 °C (mm): 0.53-0.6 kPa (4-4.5 mm Hg)
VAPOUR DENSITY (air = 1): 5 EVAPORATION RATE (Butyl Acetate = 1): .01
% VOLATILE BY VOLUME: Not available. SOLUBILITY IN WATER: Negligible
BOILING POINT (C °): 222 °C. (400 °F) FREEZING POINT (C °): Not available.
COEFFICIENT OF WATER/OIL DISTRIBUTION: Log P oct - 3.16-7.06 Partition coefficient.

SECTION IV - FIRE AND EXPLOSION DATA

FLAMMABLE OR COMBUSTIBLE: Combustible
FLASH POINT (C °) AND METHOD: 56.6 °C. Closed Cup
UPPER FLAMMABLE LIMIT: 6.00 LOWER FLAMMABLE LIMIT: 0.70
AUTOIGNITION TEMPERATURE: Not available.
FLAMMABILITY CLASSIFICATION: Combustible liquid.
CONDITIONS OF FLAMMABILITY: Excess heat and open flame.
MEANS OF EXTINCTION: Water fog, carbon dioxide, dry chemical for small fires. AFFF foam for large fires. SPECIAL FIRE FIGHTING PROCEDURES: Fire fighters should be equipped with NIOSH approved positive pressure self-contained breathing apparatus. Cool fire-exposed containers with water to prevent build up of pressure. UNUSUAL FIRE OR EXPLOSION HAZARDS: Flammable vapours may travel along the ground and spread fire or be ignited by sparks or other sources of ignition. HAZARDOUS COMBUSTION PRODUCTS: Thermal decomposition may produce carbon monoxide and/or carbon dioxide.
SENSITIVITY TO MECHANICAL IMPACT: Not sensitive.
SENSITIVITY TO STATIC DISCHARGE: Not sensitive.

SECTION V - REACTIVITY DATA

IS THE PRODUCT STABLE: Stable CONDITIONS OF REACTIVITY: None
INCOMPATIBLE SUBSTANCES: Strong oxidizing agents (e.g. chlorine, chromium trioxide, nitric acid, peroxides, permanganates) - may react violently or explosively. Increased risk of fire.
HAZARDOUS DECOMPOSITION PRODUCTS: Thermal decomposition may produce carbon monoxide and carbon.

PRODUCT IDENTIFIER: WRS MINERAL SPIRITS**SECTION VI - TOXICOLOGICAL PROPERTIES**

PRIMARY ROUTES OF EXPOSURE: Inhalation, skin and eye contact and ingestion.

EXPOSURE LIMITS: Stoddard solvent - 100 ppm ACGIH TLV - TWA.

WHMIS CLASSIFICATION: B3 - Flammable and combustible material - Combustible liquid
D2B - Poisonous and infectious material - D2B - Other Toxic Effects. Skin and eye irritant.

INGREDIENTS SUSPECTED TO BE CARCINOGENIC: None - IARC / OSHA / NTP

MUTAGEN: Not a mutagen. **REPRODUCTIVE EFFECTS:** None known.

SYNERGISTIC PRODUCTS: None known.

EFFECTS OF ACUTE EXPOSURE: **EYES:** Can cause severe irritation, redness tearing and blurred vision. **SKIN:** Moderate irritation, defatting and dermatitis on prolonged or repeated exposure.

INGESTION: Can cause nausea, vomiting and diarrhea. Aspiration of material into the lungs can cause chemical pneumonitis which can be fatal. **INHALATION:** Can cause irritation of the nose and throat, dizziness, possible unconsciousness and asphyxiation.

SECTION VII - PREVENTION MEASURES

RESPIRATORY PROTECTION: Breathing vapours may be harmful. Use with adequate ventilation. If the TLV is exceeded, use a NIOSH approved organic cartridge respirator, supplied air respirator, or positive pressure self-contained breathing apparatus. Use with adequate ventilation.

PROTECTIVE GLOVES: PVC, Polyethylene or PVA. **EYE PROTECTION:** Goggles or face shield.

OTHER PROTECTIVE CLOTHING: Rubber suit and boots.

ENGINEERING CONTROLS: Maintain airborne concentration below the TLV. Use only with adequate ventilation. Provide local exhaust where necessary.

LEAK OR SPILL PROCEDURES: Contact authorities. Ventilate area. Use proper equipment.

Small spills: Mop, wipe or soak up with absorbent material. Place recovered materials in a drum.

Large spills: Stop the leak at source, prevent spreading, pump to a good drum. Absorb remaining liquid with sawdust or vermiculite absorbent and sweep into a closed container for disposal.

WASTE DISPOSAL: Dispose of in accordance with federal, provincial and municipal waste regulations. WRS Environmental can provide reclamation or incineration services as well as transportation. Call WRS Environmental for information.

HANDLING AND STORAGE REQUIREMENTS: Keep away from heat, sparks and open flame. Use non-sparking tools. Provide electrical grounding for containers and equipment when handling this product. Store in a dry, ventilated area, out of direct sunlight. Keep container tightly closed when not in use. Never use pressure to empty container. Empty container may contain hazardous vapour and residues. Do not cut, drill or weld on or near containers.

SPECIAL SHIPPING INFORMATION: Exempt from T.D.G. in containers less than 450 litres. (Sec. 1.33)

SECTION VIII - FIRST AID MEASURES

EYES: Flush eyes with water for 15 minutes. Obtain medical attention.

SKIN: Wash with soap and water. If irritation persists, obtain medical attention.

INHALATION: Remove to fresh air and call a physician. Give oxygen or artificial respiration if necessary.

INGESTION: Contact physician or poison control centre immediately. Have list of ingredients ready.

SECTION IX - PREPARATION DATA

Information Sources: Supplier's Material Safety Data Sheet, CCOHS CHEMINFO

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