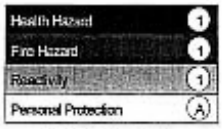
W. S. DODGE OIL Co., Inc.



HMIS RATING

MATERIAL SAFETY DATA SHEET

NFPA RATING

SECTION I - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

TRADE NAME: **Combo Base 1100** **MSDS NUMBER:** B

GENERIC NAME: **Petroleum based metalworking fluid** **DATE ISSUED:** Nov. 3, 1995

MANUFACTURER: W. S. Dodge Oil Co., Inc. **MANUFACTURER PHONE:** 213-583-3478

ADDRESS: 3710 Fruitland Ave. **MANUFACTURER FAX:** 213-583-0950

CITY, STATE, ZIP: Maywood, CA 90270-2196 **EMERGENCY ONLY (Chemtrec):** 800-424-9300

SECTION II - COMPOSITION/INFORMATION ON INGREDIENTS

CHEMICAL NAME	CAS NUMBER	%	TLV	PEL
Mineral Oil (Petroleum Hydrocarbon)	64741-97-5	variable	5 mg/m^3	5 mg/m^3

NOTE: TLV/PEL apply when in a mist form.

SECTION III - HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW: Petroleum derived mineral oil of generally low toxicity.

HMIS RATING: **Health: 1** **Fire: 1** **Reactivity: 1** **Personal Prot.: A**

POTENTIAL HEALTH EFFECTS:

ROUTES OF ENTRY: Inhalation (mist), skin, eyes, ingestion.

INHALATION: Inhalation of mists can cause upper respiratory irritation. Inhalation of vapors is not normally a problem due to the low volatility of this product.

SKIN CONTACT: May cause mild irritation. Repeated, prolonged skin contact may cause dermatitis. Also, the use of abrasive soaps or solvents to clean skin can promote dermatitis.

EYE CONTACT: Mild irritant.

INGESTION: Irritating to the GI tract. May cause nausea, vomiting and diarrhea.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: Chronic respiratory or skin diseases.

CARCINOGENICITY: This product is not classified by NTP, IARC or OSHA.

SECTION IV - FIRST AID MEASURES

INHALATION: Remove to fresh air. If coughing and irritation develop, call a physician.

EYE CONTACT: Flush with large amounts of water until irritation subsides. See a physician if irritation persists.

SKIN CONTACT: Wash with mild soap and warm water after each exposure. Remove grossly contaminated clothing and launder before re-use. If irritation or redness develops, see a physician.

INGESTION: If swallowed, CALL A PHYSICIAN IMMEDIATELY. Due to danger of aspiration, do not induce vomiting.

NOTE TO PHYSICIAN: In general, emesis is unnecessary in high viscosity, low volatility products, i.e., most oils and greases.

SECTION V - FIREFIGHTING MEASURES

NFPA RATING: **Health: 2** **Fire: 1** **Reactivity: 1** **Other: NA**

FLASH POINT AND METHOD: >350°F, 177°C **LEL:** ND **UEL:** ND

EXTINGUISHING METHOD: CO_2, Dry chemical, foam, water spray.

NFPA FIREFIGHTING PROCEDURES: Use water spray, dry chemical, foam or carbon dioxide. Water or foam may cause frothing. Use water to keep fire exposed containers cool. Water spray may be used to flush spills away from exposures.

FIRE OR EXPLOSION HAZARDS: Combustible material when exposed to sufficient heat and ignition. Isolate from oxidizers, heat, sparks, electrical equipment and open flame. Because of the potential for dense smoke and acid gases, such as hydrogen chloride and other associated chloride compounds, to be created in a fire situation, fire fighters should wear an approved self-contained breathing apparatus.

SECTION VI - ACCIDENTAL RELEASE MEASURES

SPILL OR LEAK PROCEDURES: Prevent entry to sewer or waterway. Mop up small spills with absorbent and discard in a tightly covered approved waste container. For large spills, dike area to prevent spread. Reclaim liquid by pumping into salvage tanks and clean up remainder with absorbent. Unless grossly contaminated, reclaimed material can be recycled.

SECTION VII - HANDLING AND STORAGE

STORAGE TEMPERATURE: Do not store at temperatures above 49°C (120°F).

SPECIAL SENSITIVITY: Do not store near oxidizers or sources of heat, sparks or flame.

HANDLING PRECAUTIONS: Maintain containers upright with caps and bungs tightly secured. To maintain product usefulness, keep tops of barrels free of water at all times. Do not store where container can be subject to rain or water.

SECTION VIII - EXPOSURE CONTROLS/PERSONAL PROTECTION

EYE PROTECTION: Wear safety goggles if splashing or spraying is expected.

SKIN PROTECTION: Wear coated gloves impervious to oils, wash clothing before reuse. Wear shoes with soles which are impervious to oils.

RESPIRATORY PROTECTION: Not normally required. However, when exposures over the PEL/TLV are encountered and engineering or other controls are not adequate to reduce airborne concentrations to below the PEL/TLV, use a half mask respirator with cartridges approved for use with organic vapors.

HYGIENIC PRACTICES: Wash thoroughly before meals, breaks, and at the end of work period. Remove contaminated clothing and launder before reuse. Do not use abrasive soaps or solvents.

SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL FORM: Oily liquid

BOILING POINT: > 350°F (177C)

EVAPORATION RATE (water = 1): <1

VAPOR DENSITY (air = 1): N/D

SOLUBILITY IN WATER: Negligible

SPECIFIC GRAVITY (water = 1): .95 to 1.05

SECTION X - REACTIVITY

STABILITY: Product is stable under normal conditions.

HAZARDOUS POLYMERIZATION: Cannot occur.

INCOMPATIBILITIES: Strong oxidizing and reducing agents, strong alkali. Sodium, potassium and potassium alloys form explosive mixtures with chlorinated hydrocarbons. Hot chlorinated hydrocarbon vapors in contact with powdered aluminum can explode.

DECOMPOSITION PRODUCTS: Carbon Monoxide, Carbon Dioxide from burning. When heated to decomposition, fumes can react with oxidizing materials forming NO_x, SO_x, H_2S, HCl

CONDITIONS TO AVOID: Exposure to strong oxidizers, heat, flame, sources of spark or ignition.

SECTION XI - TOXICOLOGICAL/ECOLOGICAL INFORMATION

ECOLOGICAL HAZARDS: Not determined.

SECTION XII - DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: Recycle when appropriate. If heavily contaminated or judged unsuitable for re-cycling, place waste in suitable approved container. Seal and properly label the waste container. Send the container to an approved Transportation, Storage and Disposal (TSD) facility via an approved waste hauler. Be sure manifests have been completed and an adequate "Paper trail" has been established.
This product does not meet the criteria of a RCRA Hazardous Waste if disposed of in its purchased form.

SECTION XIII - TRANSPORTATION INFORMATION

DOT SHIPPING NAME: Not regulated

DOT LABEL: None

DOT HAZARD CLASS: None

UN/NA NUMBER: None

PACKAGING GROUP: None

FLAMMABILITY CLASS: N/A

SECTION XIV - REGULATORY INFORMATION

OSHA STATUS: This product is considered hazardous under OSHA criteria (see Section II).

TSCA STATUS: Components of this product are included in the TSCA Chemical Inventory.

CERCLA REPORTABLE QUANTITY: NA

SARA TITLE III:

SECTION 302 EXTREMELY HAZARDOUS: This product contains no extremely hazardous substances as defined and listed in section #302

SECTION 311/312 HAZARD CATEGORIES: Reportable as a hazardous substance. Check with your Local Emergency Planning Committee for reportable quantities.

SECTION 313 TOXIC CHEMICALS: This product is not reportable under Section #313.

SECTION XV - APPROVALS

REASON FOR ISSUE: New form design, general update of information.

PREPARED BY: Anne Marie Downs

TITLE: Compliance Manager

APPROVAL DATE: November 3, 1995

SUPERSEDES DATE: All old style forms.

SECTION XVI - DISCLAIMER

AS OF THE DATE OF THIS DOCUMENT, THE FOREGOING INFORMATION IS BELIEVED TO BE ACCURATE AND IS PROVIDED IN GOOD FAITH TO COMPLY WITH APPLICABLE FEDERAL AND STATE LAWS. HOWEVER, NO WARRANTY OR REPRESENTATION OF LAW OR FACT, WITH RESPECT TO SUCH INFORMATION, IS INTENDED OR GIVEN.