SAFETY DATA SHEET

SECTION 1: Company Identification

Kinkelder USA
4929 Marlin Drive
Machesney Park, IL 61115
(800) 435-7297 Phone
(205) 338-3386 Fax

SECTION 1b: Physical Data

PRODUCT NAME: **K 6000**

PRODUCT DESCRIPTION: Metalworking Fluid

INFORMATION PHONE: 1-631-261-5920
INFORMATION FAX: 1-631-261-5934
EMERGENCY PHONE: 1-800-424-9300 (ChemTrec – 24hr)

SECTION 2: Hazards Identification

GHS CLASSIFICATION: Classification of this substance/mixture is based on 29 CFR 1910.1200

GHS LABEL ELEMENTS:
Hazard pictogram: **None**

Signal Word: None

Hazard Statements: None

Precautionary Statements

Prevention:	Not applicable
Response:	Not applicable
Storage:	Store locked up.
Disposal:	Dispose of contents and container in accordance with all local,

regional, national and international regulations.

Hazards Not Otherwise Classified

(HNOC) None known.

Supplemental Information None known.

SECTION 3: Composition / Information on Ingredients

Substance / Mixture:

Components/Ingredients	CAS No.	%
Distillates (petroleum), hydrotreated light paraffinic	64742-55-8	80 - 90

This is not intended to be a complete compositional disclosure. Information provided pursuant to the OSHA Hazard Communication Standard (29 CFR 1910.1200). See Section 8 for Exposure Limits, if any.

SECTION 4: First Aid Measures

EYE CONTACT: Irrigate with flowing water immediately and continuously for a minimum of 15 minutes. Remove contact lenses, if present and easy to do so. Seek medical assistance immediately if irritation occurs.

SKIN CONTACT: Take off all contaminated clothing and wash before re-use. Rinse skin with soap and water. If skin irritation occurs, get medical attention.

INGESTION: Rinse mouth. Do NOT induce vomiting. Get medical attention immediately if symptoms occur.

INHALATION: If inhaled, move person to fresh air. If breathing becomes difficult, the exposed person may need to be kept under medical attention. Seek medical advice.

Most important symptoms/effects, acute and delayed
See Section 11 for more detailed information on health effects and symptoms.

Description of necessary first aid measures / specific treatments
Treat symptomatically.

Notes to physician: In case of inhalation of decomposition products in a fire, symptoms may be delayed.

SECTION 5: Fire Fighting Measures

EXTINGUISHING

MEDIA: Use extinguishing agents appropriate for the surrounding fire.

HAZARDOUS COMBUSTION PRODUCTS: Combustion products may include the following:
During fire, gases hazardous to health may be formed, such as oxides of carbon, oxides of nitrogen. Smoke. See section 10 for more information.

SPECIAL FIRE FIGHTING PROCEDURES: Keep people away and evacuate the area. Firefighters should use standard protective equipment and in enclosed spaces, self – contained breathing apparatus (SCBA). Use water spray to cool fire exposed surfaces and to protect personnel. Prevent runoff from fire control or dilution from entering streams, sewers, or drinking water supply.

UNUSUAL FIRE AND EXPLOSIVE HAZARDS: No unusual fire or explosion hazards known.
Do not use welding or cutting torch on or near drum even when empty. If improperly reused for other product, it could ignite. In case of fire, containers may explode from internal pressure.

SECTION 6: Accidental Release Measures

Personal Precautions: Keep unnecessary personnel away. Spilled material may make surfaces slippery. Keep people away from and upwind of spill/leak. Wear appropriate protective equipment and clothing during clean-up. Do not breathe mist or vapor. For personal protection, see section 8 of the SDS.

Environmental Precautions: Avoid release to the environment. Limit leakage with earth, sand, oil-dri.
Do not discharge into the drains, surface water, or groundwater.

Methods for Containment and Cleanup: Dike far ahead of larger spill for later recovery and disposal. Pick up free liquid for recycle and/or disposal. Residual liquid can be absorbed on inert material. Stop the flow of material, if this is without risk. Prevent entry into waterways, sewer, basements or confined areas. Use non-sparking tools. Ensure adequate ventilation.

SECTION 7: Handling and Storage

Handling: Do not get in eyes. Observe good industrial hygiene practices. Provide adequate ventilation. Wear appropriate personal protective equipment. Wash hands thoroughly after handling.

Storage: Store away from incompatible materials (see Section 10 of the SDS). Keep in a cool, dry place. Store in original container. Containers which are opened must be carefully resealed and kept upright to prevent leakage. To maintain product quality, do not store in heat or direct sunlight.

Special Packing Requirements: None known.

SECTION 8: Exposure Controls / Personal Protection

Personal Protective Equipment:

General: Personal handling, or whom may potentially encounter this material, should have easy access to an eye wash station. Measures should be taken to ensure proper ventilation to maintain airborne levels are below recommended and / or acceptable exposure limits.

Hand Protection: Wear proper gloves. Suitable gloves can be recommended by the glove supplier.

Eye Protection: Safety glasses. If potential for splash or mist exists, wear chemical goggles or face shield.

Skin Protection: Wear protective clothing. Coveralls, apron, chemical resistant boots may be necessary to minimize contact.

Respiratory Protection: Recommended if ventilation is limited and the potential airborne concentration may exceed the recommended and / or acceptable exposure limits. Organic vapor filter.

Hygiene Measures: Practice good industrial hygiene. Do not get in eyes, on skin, or ingest this material. Wash hands immediately after handling material.

Engineering Measures/Controls:

Ventilation: No special requirements under ordinary conditions of use and with adequate ventilation.

Other Measures: Eye-wash station

Environmental Measures/Controls:

No biological exposure limits noted for the ingredient(s). Comply with applicable environmental regulations limiting discharge to air, water and soil. Protect the environment by applying appropriate control measures to prevent or limit emissions.

Exposure Limits / Guidelines

Material	CAS #	Basis	Type	Value
Mineral oil	64742-52-5	OSHA-Z1	PEL	5 mg/m^3
		ACGIH	TLV	5 mg/m^3
		NIOSH	REL	5 mg/m^3

		NIOSH	STEL	10 mg/m^3

Personal Protective Equipment

Personal protective equipment selections vary based on potential exposure conditions such as applications, handling practices, concentration and ventilation. Information on the selection of protective equipment for use with this material, as provided below, is based upon intended, normal usage. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. Discard contaminated clothing and footwear that cannot be cleaned. Practice good housekeeping.

SECTION 9: Physical and Chemical Properties

Appearance	Clear, colorless, Liquid
Odor	Slight petroleum oil
Odor Threshold	Not Determined
pH	Not Applicable
Melting Point / Freezing Point	Not Determined
Initial Boiling Point and Boiling Range	No data available.
Flash Point	>428°F (220°C)
Evaporation Rate (Butyl Acetate @ 25°C = 1)	No data available.
Flammability (solid, gas)	Not Applicable
Upper Explosive Limit / Lower Explosive Limit	Not Applicable
Vapor Pressure (Water @ 20°C = 17.5 mmHg)	Not Determined
Vapor Density	Not Determined
Specific Gravity (20°C)	0.868
Solubility	Insoluble
Partition Coefficient (n-octanol / water)	Not Determined
Auto-ignition Temperature	Not Determined
Decomposition Temperature	Not Determined
Viscosity	60 cSt (40°C)

SECTION 10: Stability and Reactivity

Chemical Stability: Stable under recommended storage conditions.

Conditions to Avoid: Contact with incompatible materials. UV Light, high heat, flames, and ignition sources.

Incompatibility with other materials: Strong oxidizing agents. Contact with acids and bases.

Hazardous Decomposition

Products: Carbon dioxide, carbon monoxide, oxides of nitrogen and other unknown incomplete products of combustion.

Hazardous Polymerization: Will not occur.

SECTION 11: Toxicology Information

Acute Toxicity

Principle Routes of Exposure: Eye contact, skin contact.

Inhalation: Not determined. Inhalation of products of decomposition may cause health hazard. Serious effects may be delayed after exposure. Repeated or prolonged exposure to mist may produce respiratory tract irritation.

Skin Contact: Causes skin irritation.

Eye Contact: Causes serious eye irritation.

Ingestion May be harmful if swallowed.

Symptoms related to the physical, chemical and toxicological characteristics.

Inhalation: Not determined. May cause respiratory tract irritation.

Skin Contact: Irritation, redness, defatting, drying, and cracking. Sensitive individuals or persons with open wounds may experience higher degrees of irritation.

Eye Contact: Irritation, dryness, stinging, tearing.

Ingestion: May be harmful if swallowed.

Target Organ	Species	Results	Comments
Acute Oral Toxicity	Not determined	Not determined	
Acute Inhalation toxicity	Not determined	Not determined	
Cute dermal toxicity	Not determined	Not determined	
Chronic Toxicity and Carcinogenicity	Not determined	Not determined	
Developmental Toxicity	Not determined	Not determined	
Reproductive Toxicity	Not determined	Not determined	
Genetic Toxicity	Not determined	Not determined	

Specific Target Organ Toxicity – Single Exposure

Target Organ	Species	Results	Comments
Not determined			

Aspiration Hazard: Not expected to be a hazard.
Chronic Toxicity

Carcinogenicity

IARC	NTP	ACGIH	OSHA	
Not Known	Not Known	Not Known	Not Known	

Mutagenicity No effects known.
Reproductive Effects No effects known.
Target Organ Effects

No data available.

SECTION 12: Ecological Information

Acute Aquatic Toxicity – Do not release into waterways, water systems, or land. May cause adverse physical affects to aquatic organisms. Not expected to be toxic to aquatic organisms. Not determined for classification under 1910.1200.

Component	Species	Test Type	Exposure Time	Results	Comments
No data available.	-	-	-	-	-

Environmental Fate No data available.

Indirect Photo degradation with OH Radicals:

Rate Constant	Atmospheric Half life	Method	
Not determined	Not determined	Not determined	

Biological Oxygen Demand (BOD): Not Determined
Chemical Oxygen Demand (COD): Not determined
Theoretical Oxygen Demand: Not determined
Bioaccumulation Potential Not determined
Bioaccumulation: Not determined
Other Adverse Effects None known.

SECTION 13: Disposal Considerations

Disposal recommendations based on material as supplied. Disposal must be in accordance with all current applicable federal, state, and local laws and regulations, and material characteristics at time of disposal. Empty containers may contain residue and can be dangerous. Do not attempt to refill or clean containers without proper instructions. Empty containers should be completely drained and

safely stored until appropriately reconditioned or disposed. Empty containers should be taken for recycling, recovery, or disposal through suitably qualified or licensed contractor and in accordance with governmental regulations. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose such containers to heat, flame, sparks, static electricity, or other sources of ignition. They may explode and cause injury or death.

The unused product, in our opinion, is not specifically listed by the EPA as a hazardous waste, nor is it formulated to contain materials which are listed as hazardous wastes. It does not exhibit the hazardous characteristics of ignitability, corrosivity, toxicity, or reactivity and is not formulated with contaminants as determined by the Toxicity Characteristic Leaching Procedure (TCLP). However, used product may be regulated.

SECTION 14: Transport Information

US DOT Regulations Non-Bulk (Land Transport)	Not Regulated
US DOT Regulations Bulk (Land Transport)	Not Regulated
IATA/ICAO Regulations (Air Transport)	Not Regulated
IMDG/IMO Regulations Non-Bulk (Maritime Transport)	Not Regulated
IMDG/IMO Regulations Bulk (Maritime Transport)	Not Regulated

It is the responsibility of the handlers and transportation organization who is transporting this material to follow all applicable laws, regulations and rules relating to the transportation of this material. The information provided above is not intended to convey all specific regulatory or operational information and requirements which may pertain to this product.

SECTION 15: Regulatory Information

OSHA Hazard Communication Standard 29 CFR 1910.1200

Components of this product are defined as; Hazardous Chemical, by the OSHA Hazardous Communication Standard.

Components Requiring Notifications:

SARA 302 (TPQ	SARA 304 (RQ)	SARA 313	CERCLA (RQ)	CAA 112(b) HAPS	CAA 112(r)
None	None	None	None	None	None

SARA 311/312 (Emergency Planning and Community Right-to-Know Act of 1986)

Acute Health Hazard	Yes
Aspiration hazard	
Chronic Health Hazard	No
Fire Hazard	No
Reactive Hazard	No
Sudden Release or Pressure Hazard	No

Hazard Not Otherwise Classified (HNOC) No

California Proposition 65 (Safe Drinking Water and Toxic Enforcement Act of 1986).

This product does not contain any substances known to the State of California to cause cancer and/or reproductive harm.

State Right to Know / Hazardous Substance List Information

The following chemicals are present on one or more Right to Know / Hazardous Substance Lists for the states of MA, MN, NJ, PA and RI.

Component	CAS #	Amount
See section 3		

SECTION 16: Additional Information

Hazard Rating System	Health	Fire	Reactivity
HMIS Hazard ID	**2**	**1**	**0**
NFPA Hazard ID	**2**	**1**	**0**

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