

MATERIAL SAFETY DATA SHEET

TWIN-KUT 462

Revision Date: 9/17/98

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1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: Twin-Kut 462

Chemical Name: Metalworking Fluid

Chemical Family: Petroleum Hydrocarbon

Manufacturer: Twin Specialties Corporation, 15 East Ridge Pike, Conshohocken, PA 19428
Emergency Telephone Numbers: (800) 255-3924
24HR EMERGENCY SERVICE
(610) 834-7900/FAX: (610) 834-7903

2. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Ingredient		CAS#
Hydrotreated light naphthenic distillate	>80	64742-53-6
Proprietary Mixture	<20	mixture
Fats, Animal, Esters		8016-28-2
Olefin, Sulfide Penta Sulfide, BIS(2,2,4-Tris Methyl Pentyl)		78718-06-6
Chlorinated Paraffin		61788-76-9

3. HAZARD IDENTIFICATION

Emergency Overview
Oil mist, if generated.

US OSHA HAZARD COMMUNICATION STANDARD: Product assessed in accordance with OSHA 29 CFR 1910.1200 and determined not to be hazardous.

Potential Health Effects:

INHALATION: Vapor pressure is very low. Vapor inhalation under ambient conditions is normally not a problem. Inhalation of oil mist or vapors at elevated temperature may cause respiratory irritation.

EYE CONTACT: Expected to be minor eye irritant.

SKIN CONTACT: Repeated or prolonged skin contact may cause dermatitis and defatting.

INGESTION: Not expected to be acutely toxic.

CHRONIC: None known.

MIS Hazard Ratings:

HEALTH: 1 **FLAMMABILITY:** 1 **REACTIVITY:** 0

Key	
4 - Severe	3 - Serious
2 - Moderate	1 - Slight
0 - Minimal	

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4. FIRST AID MEASURES

INHALATION: Remove to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. If breathing is difficult give oxygen. Get medical attention.

EYE CONTACT: Flush eyes with large amounts of water until irritation subsides. If irritation persists, get medical attention.

SKIN CONTACT: Flush with large amounts of water. Use soap if possible. Remove severely contaminated clothing and wash before reuse. If irritation persists seek medical attention.

INGESTION: If swallowed, DO NOT induce vomiting.

5. FIRE FIGHTING MEASURES

Flashpoint (method): 375°F COC

Flammable Limits: NE

Autolgnition Temp: ND

EXTINGUISHING MEDIA:

Water spray, dry chemical, carbon dioxide (CO₂), foam.

FIRE FIGHTING INSTRUCTIONS:

Avoid breathing smoke and vapor.

FIRE FIGHTING EQUIPMENT:

Wear self-contained breathing apparatus and protective clothing. Use water spray to keep fire-exposed containers cool.

HAZARDOUS COMBUSTION PRODUCTS:

Normal combustion forms carbon dioxide and water vapor; and may produce oxides of sulfur, nitrogen and phosphorous. Incomplete combustion can produce carbon monoxide.

6. ACCIDENTAL RELEASE MEASURES

SPILLS OR LEAKS: Remove sources of ignition. Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. Take up small spills with absorbent pads. Large spills may be taken up with pump or vacuum.

7. HANDLING AND STORAGE

STORAGE TEMPERATURE: Ambient

STORAGE PRESSURE: Atmospheric

GENERAL: Keep container closed. Store in a cool, well ventilated place. Keep away from heat, sparks and flame. Empty containers may contain residues.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

EXPOSURE LIMITS: Oil mist if generated: TLV (ACGIH) 5mg/m³ - 8 hr TWA, STEL (ACGIH) 10 mg/m³, PEL (OSHA) 5 mg/m³ - 8 hr TWA

VENTILATION: Good general ventilation at source of vapor.

PERSONAL PROTECTION: For open systems where contact is likely, wear safety glasses with side shields, long sleeves and chemical resistant gloves.

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9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance/Odor: Petroleum odor, dark liquid.
Vapor Pressure: <1 (air=1.0)
Solubility in Water: Insoluble
Evaporation Rate, n-Bu Acetate = 1: Nil
VOC: NA
Specific Gravity: 0.89

10. STABILITY AND REACTIVITY

STABILITY: Stable under normal temperatures and pressures.
CONDITIONS TO AVOID: None known.
MATERIALS TO AVOID: Strong oxidizing agents.
HAZARDOUS POLYMERIZATION: Will not occur.
HAZARDOUS DECOMPOSITION: None.

11. TOXICOLOGICAL INFORMATION

No components of this oil were found to be toxic.

12. ECOLOGICAL INFORMATION

Ecotoxicity: No data available.
Environmental Fate: This material is not expected to present any environmental problems other than those associated

13. DISPOSAL CONSIDERATIONS

This product is not regulated by CERCLA/RCRA as a hazardous waste or material. Therefore, it may be disposed of as an industrial waste in a manner acceptable to good waste management practice and in compliance with applicable local, state and federal regulations.

14. TRANSPORTATION INFORMATION

DOT		IMO	
DESCRIPTION	Not regulated	PROPER SHIPPING NAME:	Not regulated
PROPER SHIPPING NAME:		HAZARD CLASS:	Not regulated
HAZARD CLASS:	Not regulated	PACKING GROUP:	Not applicable
ID NUMBER:	Not regulated	SPECIAL INFORMATION:	Not applicable
PACKING GROUP:	Not applicable	IMO LABEL:	Not applicable
SPECIAL INFORMATION:	Not applicable	SHIPPING CONTAINERS:	Not applicable

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15. REGULATORY INFORMATION

TSCA: This material is in compliance with the TOXIC SUBSTANCES CONTROL ACT (15 USC 2601-2629) and is listed in the TSCA Inventory.

HAZARD CATEGORIES FOR SARA 311/312 REPORTING:

Health	Immediate (Acute)	No
Health	Delayed (Chronic)	No
Physical	Fire	No
Physical	Sudden Release of Pressure	No
Physical	Reactive	No
Physical	Nuisance Mist/Dust Only	No

01=SARA 313	11=NJ RTK	21=TSCA Sect 5(a)(2)
02=MASS RTK	12=CERCLA 302.4	22=TSCA Sect 6
03=NTP Carcinogen	13=MN RTK	23=TSCA Sect 12(b)
04=CA Prop 65-Carcin	14=ACGIM TWA	24=TSCA Sect 8(a)
05=CA Prop 65-Repro Tox	15=ACGIH STEL	25=TSCA Sect 8(d)
06=IARC Group 1	16=ACGIH Calc TLV	26=TSCA Sect 4(a)
07=IARC Group 2A	17=OSHA PEL	27=Canadian WHMIS
08=IARC Group 2B	18=DOT Marine Pollutant	28=OSHA CEILING
09=SARA 302/304	20=EPA Carcinogen	
10=PA RTK		

The following components of this material are found on the regulatory lists indicated.

DISTILLATES, HYDROTREATED LIGHT PARAFFINIC
is found on lists: 14, 15, 17

Phosphorodithioic Acid, O,O-DI-C1-14-Alkyl esters, Zinc Salts
is found on lists: 01, 10, 11

16. OTHER INFORMATION

TWIN SPECIALTIES CORPORATION
15 EAST RIDGE PIKE
CONSHOHOCKEN, PA 19428
TELEPHONE: (610) 834-7900/ FAX: (610) 834-7903

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