

M A T E R I A L S A F E T Y D A T A S H E E T

SECTION 1 -PRODUCT IDENTIFICATION

TRADE NAME(as labeled)BIBO CUTTING OIL

MSDS NUMBER:

PRODUCT NUMBER:744

Manufactured by:

FLUID TECH-STERN INC.

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Oakland CA 94603

(EMERGENCY ASSISTANCE)
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DATE PREPARED OR REVISED:3/1/92

PREPARED BY:*

NFPA RATING SYSTEM

0=LEAST HEALTH 3
1=SLIGHT FIRE 3
2=MODERATE REACTIVITY 2
3=HIGH SPECIFIC HAZARD X
4=EXTREME CARCINOGEN _____
NOT LISTED BY NFPA

SECTION 2-HAZARDOUS INGREDIENTS

CHEMICAL NAMES	CAS#	*	EXPOSURE LIMITS AIR
KEROSENE	8008-20-6		NIOSH TWA:100mg/m3
PALE OIL 50	N/A		TWA 500ppm

TOXICITY OF KEROSENE:intratracheal;man;TDLo 3750mg/kg;LUNGS, THORAX, OR RESPIRATION(cough).

TOXICITY OF PALE OIL 50:inhalation cat:LCLo:1700 ppm/7H
eye;human: 470ppm/15M

SECTION 3-PHYSICAL DATA

BOILING POINT:UNKNOWN VAPOR PRESSURE(mmHg):N/A
MELTING POINT:N/A VAPOR DENSITY(air=1):N/A
SPECIFIC GRAVITY:.84 EVAPORATION RATE:N/A
SOLUBILITY(H2O):INSOLUBLE
APPEARANCE AND ODOR:STRAW COLORED ,OILY,LIQUID. PETROLEUM TYPE ODOR.
HOW TO DETECT THIS SUBSTANCE(warning properties of substance as a gas,vapor,dust,or mist):VAPOR IRRITATING TO NOSE AND EYES.

*Not a required category.

NOTE:All required categories must be addressed. If any item is not applicable, or no information is available, the space must be marked to indicate that.

SECTION 4 - FIRE AND EXPLOSION

Flash Point . F (give method):

Auto ignition temperature, F:

Flammable limits in air:

% by volume:	lower(LEL):	upper(UEL):
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Fire extinguishing materials:

<input type="checkbox"/> N/A	water spray	<input checked="" type="checkbox"/> carbon dioxide	other: _____
<input checked="" type="checkbox"/>	foam	<input checked="" type="checkbox"/> dry chemical	

Special firefighting procedures: FIRE-FIGHTERS MUST HAVE SUPPLIED AIR OR OXYGEN AVAILABLE.

Unusual fire and explosion hazards: WILL REACT VIOLENTLY WITH OXIDIZERS.

SECTION 5-HEALTH HAZARD INFORMATION

SYMPTOMS OF OVEREXPOSURE (for each potential route of exposure)

Inhaled: TOXIC EFFECT ON LUNGS , CHANGE IN TRACHAE OR BRONCHI, ACUTE PULMONARY EDEMA.

Contact with skin or eyes: DATA N/A

Absorbed through skin: N/A

Swallowed: CHANGE IN TRACHAE OR BRONCHI.

HEALTH EFFECTS OR RISKS FROM EXPOSURE.

Acute: TRACHEAL AND BRONCHIAL EFFECTS

Chronic: PULMONARY EDEMA/HYDROCARBON PNEUMONIA.

Reproductive: N/A

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE PRE-EXISTING LUNG CONDITIONS.

POTENTIAL OR SUSPECTED CANCER AGENT?

 N/A NO. This product's ingredients are not found in the lists below. YES The ingredients below are regulated or listed as potential cancer agents by the indicated agency.Ingredient: KEROSENE N/A Federal OSHA NTP IARCPALE OIL 50 N/A Federal OSHA NTP IARC

NOTE: California employers using Cal/OSHA-regulated carcinogens must register with Cal/OSHA.

FIRST AID-EMERGENCY PROCEDURES:

EYE: LAVAGE FOR 15 MINUTES . CALL PHYSICIAN IMMEDIATELY!

Skin Contact: REMOVE CONTAMINATED CLOTHING AND FLUSH AFFECTED AREA(S) WITH LARGE AMOUNTS OF WATER. IF SKIN SURFACE IS DAMAGED, APPLY A CLEAN DRESSING, AND SEEK MEDICAL ATTENTION !

Inhaled: IF RESPIRATORY SYMPTOMS OR OTHER SYMPTOMS DEVELOP , MOVE VICTIM AWAY FROM SOURCE OF EXPOSURE AND INTO FRESH AIR. IF SYMPTOMS PERSIST, SEEK IMMEDIATE MEDICAL ATTENTION. IF VICTIM IS NOT BREATHING, IMMEDIATELY BEGIN ARTIFICIAL RESPIRATION. IF BREATHING DIFFICULTIES DEVELOP, OXYGEN SHOULD BE ADMINISTERED BY QUALIFIED PERSONNEL. CALL PHYSICIAN!

Swallowed: IF SWALLOWED, SEEK EMERGENCY MEDICAL ATTENTION. IF VICTIM IS DROWSY OR UNCONSCIOUS, PLACE ON THE LEFT SIDE WITH THE HEAD DOWN AND DO NOT GIVE ANYTHING BY MOUTH. BECAUSE OF POTENTIAL TOXICITY, IF VICTIM IS CONSCIOUS AND ALERT, VOMITING SHOULD BE INDUCED FOR INGESTION OF LARGE AMOUNTS (MORE THAN 5 OUNCES IN AN ADULT) PREFERABLY UNDER THE DIRECTION OF A PHYSICIAN OR POISON CENTER. DO NOT LEAVE VICTIM UNATTENDED !

SECTION 6-REACTIVITY DATA

STABILITY: Stable N/A Unstable
 Incompatibility(materials to avoid): OXIDIZERS.
 Hazardous polymerization: N/A May occur Will not occur
 Hazardous decomposition products(including combustion products):
 MAY LIBERATE TOXIC FUMES OF CO AND CO2.

SECTION 7-SPILL, LEAK, AND DISPOSAL PROCEDURES

Spill response procedures : COMBUSTIBLE, KEEP ALL SOURCES OF IGNITION AWAY FROM SPILL. STAY UPWIND AND AWAY FROM SPILL. ISOLATE HAZARD AREA AND LIMIT ENTRY TO AUTHORIZED PERSONNEL. STOP SPILL IF IT CAN BE DONE WITHOUT RISK. WEAR APPROPRIATE PROTECTIVE EQUIPMENT INCLUDING RESPIRATORY PROTECTION AS CONDITIONS WARRANT. WEAR RESPIRATOR WITH ORGANIC VAPOR CANNISTERS. PREVENT SPILLED MATERIAL FROM ENTERING SEWERS, STORM DRAINS, OTHER UNAUTHORIZED TREATMENT DRAINAGE SYSTEMS AND NATURAL WATERWAYS. DIKE FAR AHEAD OF SPILL FOR LATER RECOVERY OR DISPOSAL. SPILLED MATERIAL MAY BE ABSORBED INTO AN APPROPRIATE ABSORBENT MATERIAL. NOTIFY FIRE AUTHORITIES AND APPROPRIATE FEDERAL, STATE AND LOCAL AGENCIES . CLEAN UP IMMEDIATELY.

Preparing wastes for disposal (container types, neutralization, etc.):
 RESIN LINED STEEL CONTAINERS ARE RECOMMENDED.

NOTE: Dispose of all wastes in accordance with federal, state and local regulations.

SECTION 8-SPECIAL HANDLING INFORMATION

Ventilation and Engineering controls: MUST BE CALIBRATED FOR AIR FLOW AND REMOVAL OF STANDARD CONTAMINANT FROM WORKPLACE AIR.

Respiratory protection (type): ORGANIC VAPOR PROTECTION RESPIRATORS.
 NIOSH/MSHA TC-23C-738

Eye protection (type): EYEWEAR IN COMPLIANCE WITH ANSI Z87.1-1989

Gloves (specify material): SUGGEST FLUOROELASTOMER GLOVES (VITON).

Other clothing and equipment: DISPOSABLE LAMINATED COVERALLS OR RUBBER APRONS. SHOE COVERS.

Work practices, hygienic practices: DO NOT EAT IN STORAGE OR MANUFACTURING AREAS. WEAR RESPIRATORY PROTECTION AND OTHER PROTECTION WHEN IN VICINITY OF MATERIAL.

Other handling and storage requirements: STORE PRODUCT IN TIGHTLY SEALED CONTAINERS IN COOL AND DRY PLACE.

Protective measures during maintenance of contaminated equipment:
 ALL CONTAMINATED EQUIPMENT MUST BE THOROUGHLY WASHED WITH SOAP AND WATER AND RINSED .

N/A=NOT APPLICABLE OR NOT AVAILABLE

THE INFORMATION PUBLISHED IN THIS MATERIAL SAFETY DATA SHEET HAS BEEN COMPILED FROM OUR EXPERIENCE AND DATA PRESENTED IN VARIOUS TECHNICAL PUBLICATIONS. IT IS THE USER'S RESPONSIBILITY TO DETERMINE THE SUITABILITY OF THIS INFORMATION FOR THE ADOPTION OF NECESSARY SAFETY PRECAUTIONS. WE RESERVE THE RIGHT TO REVISE MATERIAL SAFETY DATA