

BARDAHL MANUFACTURING CORP -- BARDAHL OIL ADDITIVE 30 (BOA 30) -- 9150-01-130-3688
===== Product Identification =====

Product ID:BARDAHL OIL ADDITIVE 30 (BOA 30)
MSDS Date:11/07/1988
FSC:9150
NIIN:01-130-3688
MSDS Number: BKBZQ
=== Responsible Party ===
Company Name:BARDAHL MANUFACTURING CORP
Address:1400 N W 52ND ST
Box:70607
City:SEATTLE
State:WA
ZIP:98107-5131
Country:US
Info Phone Num:206-783
-4851
Emergency Phone Num:206-526-2121
Preparer's Name:A. J. KIEHN
CAGE:99147
=== Contractor Identification ===
Company Name:BARDAHL MANUFACTURING CORP
Address:1400 N W 52ND ST
Box:City:SEATTLE
State:WA
ZIP:98107-5131
Country:US
Phone:206-783-4851
CAGE:99147
Company Name:MANNESMANN TALLY CORP
Address:8301 S 180TH ST
Box:City:KENT
State:WA
ZIP:98032-1013
Country:US
CAGE:12344

===== Composition/Information on Ingredients =====

Ingred Name:NAPHTHENIC ACID; LEAD SALT (LEAD, IN TH

E FORM OF AN
ORGANO-METALLIC NAPHTHENATE)

CAS:61790-14-5

RTECS #:QK9150000

Fraction by Wt: 0.5-2.0%

ACGIH TLV:0.05 MG/M3 (MFR)

Ingred Name:LUBRICATING OIL. CONTAINS CHLORINATED PARAFFIN.

Fraction by Wt: 60%

Other REC Limits:10 MG/M3 STEL

OSHA PEL:5 MG/M3 (OIL MIST)

ACGIH TLV:5 MG/M3 (OIL MIST)

===== Hazards Identification =====

LD50 LC50 Mixture:LD50:(ORAL, RAT) > 5000 MG/KG

Routes of Entry: Inhalation:YES Skin:NO Ingestion:NO

Reports of Carcinogenicity:

NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:RECENT STUDIES INDICATE CHLORINATED PARAFFIN CMPD SIMILAR TO THAT USED IN BARDAHL OIL ADDITIVE 30 INCREASED INCIDENCE OF TUMORS IN LAB ANIMALS WHEN FORCE FED IN COMBINATION W/CORN OIL AT HIGH DOSES FO R LONG PERIODS. INDUSTRY HLTH RECORDS SHOW NO EVID OF HUMAN HLTH HAZ W/MANUFACTURE & HNDLG OF CHLORINATED PARAFFIN.(MFR)

Explanation of Carcinogenicity:NOT RELEVANT

Effects of Overexposure:EYE:MAY CAUSE IRRIT. INHAL:EXPOS TO VAPS/MIST

MAY CAUSE PULMONARY IRRIT, DIZZINESS, NAUSEA. INGEST:CAN CAUSE GI IRRIT, NAUSEA, VOMITING. ASPIRATION INTO LUNGS CAN CAUSE CHEM PNEUMONITIS WHICH CAN BE FATAL. LG QTYS MAY RESULT IN LEAD POISONING NOTED BY LOSS OF APPETITE, WEIGHT LOSS, FATIGUE, HDCH, DIARRHEA.

Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

===== First Aid Measures =====

First Aid:EYES:FLUSH W/WATER FOR AT LEAST 15 MINUTES. GET MD IF

IRRITATION SYMPTOMS PERSIST AFTER WATER FLUSH. SKIN:WASH W/SOAP AND WATER. INGEST:GET MD IMMEDIATELY. INHAL:REMOVE TO FRESH AIR AND VENTILATE AREA .

===== Fire Fighting Measures =====

Flash Point Method:COC

Flash Point:345F,174C

Extinguishing Media:DRY CHEMICAL, CARBON DIOXIDE, FOAM, WATER FOG.

Fire Fighting Procedures:USE NIOSH/MSHA APPROVED PRESSURE DEMAND SCBA AND FULL PROTECTIVE EQUIPMENT . COOL FIRE EXPOSED CONTAINERS WITH WATER.

Unus

ual Fire/Explosion Hazard:THERMAL DECOMPOSITION PRODUCTS MAY
INCLUDE HCL AND PHOSGENE .

===== Accidental Release Measures =====

Spill Release Procedures:TRANSFER BULK OF MATERIAL INTO ANOTHER
CONTAINER. ABSORB REMAINING RESIDUE WITH PROPER ABSORBENTS SUCH AS
SAND AND EARTH VERMICULITE. SWEEP UP AND DISPOSE AS SOLID WASTE IN
ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS.

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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= Handling and Storage =====

Handling and Storage Precautions:PETROLEUM PRODUCTS PRESENT, KEEP CLEAN
AND DRY; DO NOT STORE NEAR SOURCES OF IGNITION. DO NOT LEAVE
PARTIAL DRUMS OR CONTAINERS OPEN.

===== Exposure Controls/Personal Protection =====

Respiratory Protection:NOT REQUIRED NORMALLY. USE NIOSH/MSHA APPROVED
RESPIRATOR APPROPRIATE FOR EXPOSURE OF CONCERN .

Ventilation:MECHANICAL VENTILATION NOT NORMALLY REQUIRED.

Protective Gloves:NEOPRENE
GLOVES.

Eye Protection:CHEMICAL WORKERS GOGGLES .

Other Protective Equipment:NONE SPECIFIED BY MANUFACTURER.

Work Hygienic Practices:WASH HANDS THOROUGHLY AFTER USE AND BEFORE
EATING, SMOKING OR USING SANITARY FACILITIES .

Supplemental Safety and Health
NONE SPECIFIED BY MANUFACTURER.

===== Physical/Chemical Properties =====

Boiling Pt:B.P. Text:>500F,>260C

Vapor Pres: AIR

Spec Gravity:0.9

Evaporation Rate & Reference:< 1 (BUTYL ACETATE = 1)

Solubility in W

ater:NEGLIGIBLE

Appearance and Odor:LIQUID, AMBER COLOR, MINERAL OIL ODOR.

Percent Volatiles by Volume:< 1%

===== Stability and Reactivity Data =====

Stability Indicator/Materials to Avoid:YES

STRONG OXIDIZING AGENTS SUCH AS HYDROGEN PEROXIDE, CHROMIC ACID AND
BROMINE.

Stability Condition to Avoid:NONE SPECIFIED BY MANUFACTURER.

Hazardous Decomposition Products:INCOMPLETE COMBUSTION CAN PRODUCE CO,
CO*2. HCL, PHOSGENE .

===== Disposal Consider

ations =====

Waste Disposal Methods: NORMAL PROCEDURES OF PETROLEUM PRODUCTS WHICH ARE IN ACCORD WITH LOCAL, REGIONAL AND FEDERAL REGULATIONS.

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