

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

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Product Identification  
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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

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Composition/Information on Ingredients  
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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)

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===== 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.

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===== 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 .

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===== 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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