

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 THE

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:N  
TP: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 F ATAL. 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.  
Unusu

al 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.

===== 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 Water: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 Considerations =====

tions =====

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

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