

BREAK-FREE DIV OF SAN/BAR CORP -- BRAKE-FREE CLP NC, MIL-L-63460D, AMENDMENT 5 --  
9150-01-327-9631

===== Product Identification =====

Product ID: BRAKE-FREE CLP NC, MIL-L-63460D, AMENDMENT 5

MSDS Date: 04/05/1999

FSC: 9150

NIIN: 01-327-9631

Status Code: A

MSDS Number: CJLSW

=== Responsible Party ===

Company Name: BREAK-FREE DIV OF SAN/BAR CORP

Address: 1035 S LINWOOD AVE

Box: 25020

City: SANTA ANA

State: C

A

ZIP: 92799-5020

Country: US

Info Phone Num: 714-953-1900

Emergency Phone Num: 714-953-1900

Preparer's Name: DONALD E. YODER

CAGE: 65983

=== Contractor Identification ===

Company Name: BREAK-FREE INC

Address: 13386 INTERNATIONAL PARKWAY

Box: City: JACKSONVILLE

State: FL

ZIP: 32218

Country: US

Phone: 800-428-0588 / 904-741-5400

Contract Num: SP0450-99-M-NJ17

CAGE: 65983

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

Ingred Name: DIBASIC ESTER #1

= Wt: 3.6

Other REC Limits: NONE RECOMMENDED

Ingred Name:SYNTHETIC INHIBITORS ANDLUBRICANT ADDITIVES

= Wt:23.

Other REC Limits:NONE RECOMMENDED

Ingred Name:POLYALPHAOLEFIN SYNTHETIC OIL

CAS:68037-01-4

Code:F

= Wt:53.6

OSHA PEL:5 MG/M3

ACGIH TLV:5 MG/M3

Ingred Name:PETROLEUM DISTILLATES, HYDROTREATED LIGHT

CAS:64742-47-8

Code:F

RTECS #:OA5504000

= Wt:9.8

OSHA PEL:5 MG/M3

ACGIH TLV:5 MG/M3

Ingred Name:2-ETHYLHEXYL ACETATE

CAS:103-09-3

RTECS #:AH5600000

= Wt:10.

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

LD50 LC

50 Mixture:LD50 > 5 G/KG

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:INHALATION- RESPIRATORY IRRITATION AND DISCOMFORT MAY BE EXPERIENCED. EXCESSIVE INHALATION CAN CAUSE RESPIRATORY IRRITATION, CENTRAL NERVOUS SYSTEM EFFECTS. EYES- POSSIBLE TRANSIENT IRRITATION. SKIN- POSSIBLE SLIGHT TO MODERATE REDNESS. INGESTION- LOW LEVEL OF TOXCITY. MAY CAUSES SMALL AMOUNTS ASPIRATED INTO THE RESPIRATORY SYSTEM MAY CAUSE PULMONARY EDEMA OR BRONCHOPNEUMONIA.

Explanation of Carcinogenicity:NONE OF THE CHEMICALS IN THIS PRODUCT IS LISTED BY IARC, NTP OR OSHA AS A CARCINOGEN.

Effects of Overexposure:INHALATION- DIZZINESS, WEAKNESS, FATIGUE, NAUSEA, HEADACHES AND POSSIBLE UNCONSCIOUSNESS.

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

First Aid:FOLLOW GOOD INDUSTRIAL HYGIENE PRACTICES. IF SPLASHED IN THE EYES, FLUSH WITH WATER IMMEDIATELY FOR 15 MI

N. IF SPILLED ON

CLOTHING, REMOVE SOILED CLOTHING & WASH WITH SOAP & WATER/ LAUNDER ALL CONTAMINATED CLOTHES BEFORE REUSE. IF SWALLOWED, DO NOT INDUCE VOMITING. IF CONSCIOUS, DRINK LARGE AMOUNTS OF WATER & SEEK IMMEDIATE MEDICAL ATTENTION. IF INHALED, MOVE TO FRESH AIR. ANESTHETIC OR NARCOTIC EFFECTS COULD OCCUR FROM OVEREXPOSURE TO VAPORS, SO CALL A PHYSICIAN. IF AVAILABLE, GIVE OXYGEN. IF BREATHING STOPS, GIVE MOUTH-TO-MOUTH RESUSCITATION.

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Fire Fighting Measures =====

Flash Point Method:PMCC

Flash Point:=78.9C, 174.F

Extinguishing Media:CARBON DIOXIDE, FOAM, DRY CHEMICALS.

Fire Fighting Procedures:FIREFIGHTERS SHOULD WEAR NIOSH APPROVED, POSITIVE PRESSURE SELF-CONTAINED BREATHING APPARATUS TO AVOID EXPOSURE FROM DECONTAMINATION PRODUCTS. PROPER EYE AND SKIN PROTECTION SHOULD BE USED. IF A SPILL HAS NOT IGNITED, USE WATER SPRAY TO DISPERSE VAPORS AND KEEP CONTAINER COOL.

Unusual Fire/Explosion Haz

ard:AFTER IGNITION, THE USE OF WATER CAN SCATTER THE LIQUID THEREBY POSSIBLE SPREADING THE FIRE. IGNITION MAY ALSO PRODUCE DENSE BLACK SMOKE.

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

Spill Release Procedures:FOR SMALL SPILLS, VACUUM INTO WASTE CONTAINERS OR ABSORB WITH DRY SAND OR ABSORBENT CLOTH.

===== Handling and Storage =====

Handling and Storage Precautions:KEEP AWAY FROM OPEN FLAMES OR OTHER IGNITION SOURCES.

DO NOT STORE ABOVE 120F. MAINTAIN ADEQUATE VENTILATION & KEEP FROM CHILDREN.

Other Precautions:NOTE THAT SOME VAPORS ARE HEAVIER THAN AIR & CAN DISPLACE AIR IN LOW AREAS OR CONFINED SPACES SUCH AS PITS AND TANKS. DO NOT ENTER THOSE AREAS WHERE LARGE QUANTITIES OF VAPORS ARE SUSPECTED OR COLLECTING UNTIL EXCHANGING THE AIR OR USING BREATHING APPARATUS WITH AN OBSERVER PRESENT FOR POSSIBLE ASSISTANCE.

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

Respiratory Protection:NOT REQUIRED FOR NORMAL WORK SITUATION WHERE ADEQUATE VENTILATION IS PROVIDED. USE NIOSH APPROVED SELF-CONTAINED POSITIVE PRESSURE RESPIRATORS FOR EMERGENCIES AND IN SITUATIONS WHERE AIR MAY BE DISPLACED BY VAPORS OR IN CONFINED AREAS WHERELOW AIR EXCHANGE RATES.

Ventilation:NO SPECIAL REQUIREMENTS. USE LOCAL EXHAUST IF TLV IS EXCEEDED OR MECHANICAL(GENERAL) VENTILATION IN CLOSED AREAS.

Protective Gloves:POLYETHYLENE, NEOPRENE, PVC.

Eye Protection:NORM

ALLY NONE REQUIRED. WEAR SPLASH PROOF GOGGLES.

Other Protective Equipment:SAFETY SHOWER AND EYE WASH FOUNTAIN IN MANUFACTURING AREAS. PERSONAL PROTECTIVE CLOTHING & USE OF EQUIPMENT MUST BE IN ACCORDANCE WITH 29 CFR 1910.132 AND 29 CFR 1910.133.

Work Hygienic Practices:DO NOT SMOKE, EAT OR DRINK WHILE USING THIS PRODUCT. WASH HANDS WITH SOAP AND WATER BEFORE SMOKING, EATING, DRINKING OR USING THE TOILET FACILITIES. LAUNDRY CONTAMINATED CLOTHING BEFORE RESUE.

Supplemental

Safety and Health

ACUTE OR CHRONIC HEALTH HAZARDS: WHILE EXPECTED TO BE NON-IRRITATING FROM THE SKIN, EYE AND ORLA TESTING DONE, AS WITH ALL PETROLEUM PRODUCTS, PROLONGED & REPEATED CONTACT WITH THE SKIN COULD CAUSE IRRITATION & POSSIBLE DERMATITIS. THE SYNTHETIC OILS & ADDITIVES COULD ALSO BE ABSORBED THROUGH ABRADED SKIN.

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

HCC:V6

Boiling Pt:=190.5C, 374.9F

Volatile Org Content %:15

Spec Gravity:0.88

Solubili

ty in Water:NIL

Appearance and Odor:LIGHT AMBER COLOR, MILD ODOR.

Percent Volatiles by Volume:11

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

Stability Indicator/Materials to Avoid:YES

STRONG OXIDIZING AGENTS

Stability Condition to Avoid:SOURCES OF IGNITION SUCH AS SPARKS, HOT SPOTS, WELDING, FLAMES AND CIGARETTES.

Hazardous Decomposition Products:OXIDES OF CARBON, SULFUR AND NITROGEN AND PTFE POWDER.

===== Disposal Considerations =====

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Waste Disposal Methods:RECOVERED LIQUIDS MAY BE REPROCESSED OR INCINERATED OR TREATED IN A PERMITTED HAZARDOUS WASTE MANAGEMENT FACILITY. CARE MUST BE TAKEN WHEN USING OR DISPOSING OF CHEMICAL MATERIALS AND/OR THEIR CONTAINERS TO PREVENT ENVIRONMENTAL CONTAMINATION. DISPOSE OF WASTE IN ACCORDANCE WITH CLEAN AIR ACT, RCRA, & FEDERAL, STATE OR LOCAL LAWS & REGULATIONS.

===== Regulatory Information =====

SARA Title III Information:ALL SARA TITLE III MATERIALS HAVE BEEN REPORTED.

Federal Regulatory Information:ALL INGREDIENTS CONTAINED IN THIS FORMULA ARE LISTED ON THE TOXIC SUBSTANCE CONTROL ACT (TSCA) CHEMICAL INVENTORY.

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