

BREAK-FREE DIV OF SAN/BAR CORP -- CLP,LIQUID -- 9150-01-102-1473

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

Product ID:CLP,LIQUID

MSDS Date:10/30/1991

FSC:9150

NIIN:01-102-1473

MSDS Number: BLBDG

=== Responsible Party ===

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

Address:1035 S LINWOOD AVE

Box:25020

City:SANTA ANA

State:CA

ZIP:92799-5020

Country:US

Info Phone Num:714-953-1900/202-483-7616

Emergency Pho

ne Num:800-424-9300(CHEMTREC)/202-483-7616

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

CAGE:65983

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

Ingred Name:SYNTHETIC & PARAFINIC OILS & OTHER PROPRIETARY ING

Fraction by Wt: 74.1%

Other REC Limits:NONE SPECIFIED

OSHA PEL:5 MG/M (OIL MIST)

ACGIH

TLV:5 MG/M (OIL MIST)

Ingred Name:N-BUTYL ACETATE (SARA III)

CAS:123-86-4

RTECS #:AF7350000

Fraction by Wt: 4.0%

Other REC Limits:NONE SPECIFIED

OSHA PEL:150 PPM/200 STEL

ACGIH TLV:150 PPM/200STEL;9192

EPA Rpt Qty:5000 LBS

DOT Rpt Qty:5000 LBS

Ingred Name:1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE (FREON 113) (SARA III)

CAS:76-13-1

RTECS #:KJ4000000

Fraction by Wt: 6.2%

Other REC Limits:NONE SPECIFIED

OSHA PEL:1000PPM/1250STEL

ACGIH TLV:1000PPM/1250STEL9192

Ozone Depleting Chemical:1

Ingred

Name:METHYL CHLOROFORM (1,1,1-TRICHLOROETHANE) (SARA III)

CAS:71-55-6

RTECS #:KJ2975000

Fraction by Wt: 12.0%

Other REC Limits:NONE SPECIFIED

OSHA PEL:350 PPM/450 STEL

ACGIH TLV:350 PPM/450STEL;9192

EPA Rpt Qty:1000 LBS

DOT Rpt Qty:1000 LBS

Ozone Depleting Chemical:1

Ingred Name:ISOPROPYL ALCOHOL (SARA III)

CAS:67-63-0

RTECS #:NT8050000

Fraction by Wt: 2.0%

Other REC Limits:NONE SPECIFIED

OSHA PEL:400 PPM/500 STEL

ACGIH TLV:400 PPM/500STEL;9192

Ingred Name:TAR ACIDS, CRESYLIC,PHENYL,PHOSPHAT

E

CAS:68952-35-2

Fraction by Wt: 1.0%

Other REC Limits:NONE SPECIFIED

Ingred Name:INSOLUBLE BARIUM COMPOUNDS

Fraction by Wt: 0.6%

Other REC Limits:NONE SPECIFIED

Ingred Name:TERT-BUTYL ALCOHOL (SARA III)

CAS:75-65-0

RTECS #:EO1925000

Fraction by Wt: 0.1%

Other REC Limits:NONE SPECIFIED

OSHA PEL:100 PPM

ACGIH TLV:100PPM 9394

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

LD50 LC50 Mixture:LD50 (ORAL RAT) IS >500 MG/KG

Routes of Entry: Inhalation:YES Skin:YES Ingestion

:YES

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

Health Hazards Acute and Chronic:WHILE EXPECTED TO BE NON-IRRITATING FROM THE SKIN, EYE AND ORAL TESTING DONE, AS WITH ALL PETROLEUM PRODUCTS PROLONGED AND REPEATED CONTACT ON THE SKIN COULD CAUSE IRRITATION AND POSSIBLE DERMATITIS. REPETITIVE AND CONTINUOUS EXPOSURES TO HIGH VAPOR LEVELS OR DIRECT CONTACT ON SKIN COULD RESULT IN LIVER/KIDNEY DAMAGE.

Explanation of Carcinogenicity:NONE OF THE COMPOUNDS IN THIS PRODUCT IS

LISTED BY IARC, NTP, OR OSHA AS A CARCINOGEN.

Effects of Overexposure:MAY CAUSE IRRITATION TO NOSE AND THROAT. SOLVENT VAPORS MAY CAUSE IRREGULAR HEARTBEATS, LIGHTHEADEDNESS, DIZZINESS, NAUSEA TO UNCONSCIOUSNESS AND POSSIBLY BE LETHAL. A ABSORPTION THROUGH THE SKIN MAY CAUSE SYSTEMIC EFFECTS TO BLOOD, LIVER AND KIDNEYS. MAY BE IRRITATING TO DIGESTIVE TRACT WITH SYSTEMIC EFFECTS TO LUNGS.

Medical Cond Aggravated by Exposure:PRE-EXISTING SKIN, EYE AND RESPIRATORY DI

SORDERS MAY BE AGGRAVATED BY EXPOSURE TO THIS MATERIAL.

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

First Aid:INHALATION:REMOVE TO FRESH AIR. RESUSCITATE IF NOT BREATHING. GET MEDICAL ATTENTION. EYES:IMMEDIATELY FLUSH WITH PLENTY OF WATER FOR 15 MINUTES HOLDING EYELIDS OPEN. GET MEDICAL ATTENTION. SKIN: REMOVE CONTAMINATED CLOTHING. WASH WITH SOAP AND WATER. IF IRRITATION PERSISTS, GET MEDICAL ADVICE. INGESTION:DO NOT INDUCE VOMITING. GIVE NOTHING BY MOUTH IF UNCONSCIOUS. GET IMMEDIATE MEDICAL ATTENTION.

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

Flash Point Method:PMCC
Flash Point:>200F,>93C
Extinguishing Media:USE WATER FOG, CARBON DIOXIDE, FOAM, OR DRY CHEMICAL.
Fire Fighting Procedures:WEAR FIRE FIGHTING PROTECTIVE EQUIPMENT AND A FULL FACED SELF CONTAINED BREATHING APPARATUS. EVACUATE AREA. COOL FIRE EXPOSED CONTAINERS WITH WATER SPRAY.
Unusual Fire/Explosion Hazard:SOLVENT VAPORS, WHEN CONCENTRATED IN CONFINED OR POORLY VENTILATED AREAS MAY FLASH UPON CONTACT WITH FLAMES, SPARKS OR HIGH INTENSITY HEAT SOURCES.

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

Spill Release Procedures:SMALL SPILL: WIPE/SOAK UP WITH PAPER TOWEL OR INERT ABSORBANT. PUT IN DISPOSAL CONTAINER. REMOVE RESIDUE WITH WATER. LARGE SPILL: EVACUATE AND VENTILATE AREA. IF POSSIBLE, STOP LEAK. DIKE TO RETAIN RUN OFF. VACUUM UP FREE LIQUID. ABSORB/WASH RESIDUE.

Neutralizing Agent:NOT APPLICABLE.

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

Handling and Storage Precautions:DO NOT STORE ABOVE 120 F. DO NOT USE AROUND OPEN FLAMES. MAINTAIN ADEQUATE VENTILATION. VAPORS ARE HEAVIER THAN AIR AND COLLECT IN LOW PLACES.
Other Precautions:DO NOT TAKE INTERNALLY. DO NOT BREATHE MIST. AVOID PROLONGED OR REPEATED BREATHING OF VAPOR. AVOID CONTACT WITH EYES. USE WITH ADEQUATE VENTILATION. WASH THOROUGHLY AFTER HANDLING. FOR

INDUSTRIAL USE ONLY.

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

Respiratory Protection:IF VENTILATION DOES NOT MAINTAIN INHALATION EXPOSURES BELOW PEL(TLV), USE NIOSH/MSHA APPROVED ORGANIC VAPOR CARTRIDGE AND DUST/MIST PRE-FILTER RESPIRATORS AS PER CURRENT 29 CFR 1910.134, INSTRUCTIONS/ WARNINGS AND NIOSH-RESPIRATOR SELECTION.

Ventilation:GENERAL DILUTION OR LOCAL EXHAUST SUFFICIENT TO MAINTAIN ADEQUATE AIR EXCHANGE TO AVOID VAPOR BUILD-UP.

Protective

Gloves:POLYETHYLENE, NEOPRENE OR PVC.

Eye Protection:SAFETY GOGGLES WITH OPTIONAL FACE SHIELD

Other Protective Equipment:EYE WASH STATION AND SAFETY SHOWER.

INDUSTRIAL-TYPE WORK CLOTHING AND APRON AS REQUIRED.

Work Hygienic Practices:OBSERVE GOOD PERSONAL HYGIENE PRACTICES AND RECOMMENDED PROCEDURES. DO NOT WEAR CONTAMINATED CLOTHING OR FOOTWEAR.

Supplemental Safety and Health

FORMULA CHANGED. FOR PREVIOUS FORMULATION, SEE PNI A UNDER THE SAME NSN.

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

HCC:V6

Boiling Pt:B.P. Text:140F,60C

Vapor Density:2.4

Spec Gravity:0.9

Evaporation Rate & Reference:3.8 (SOLVENTS ONLY)

Solubility in Water:NEGLIGIBLE

Appearance and Odor:LIGHT AMBER COLORED LIQUID WITH SLIGHT FRUITY ODOR.

Percent Volatiles by Volume:26.0

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

Stability Indicator/Materials to Avoid:YES

STRONG OXIDIZING AGENTS

Stability Condition to Avoid:HIGH HEAT, OPEN FLAMES AND O

OTHER SOURCES
OF IGNITION

Hazardous Decomposition Products:OXIDES OF CARBON, SULFUR AND NITROGEN,
ACIDIC PRODUCTS OF THERMAL DECOMPOSITION, INCLUDING HYDROGEN
CHLORIDE, PHOSGENE.

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

Waste Disposal Methods:DISPOSAL SHOULD BE MADE IN ACCORDANCE WITH ALL
APPLICABLE FEDERAL, STATE AND LOCAL LAWS AND REGULATIONS.
INCINERATION IS NORMALLY PREFERRED. NEVER DUMP INTO THE SEWER OR ON
THE GROUND OR INTO ANY NAVI GATIB
LE WATERS, STREAMS, LAKES OR
RIVERS.

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