

BREAK-FREE, INCORPORATED -- BREAK-FREE CLP, LIQUID -- 9150-01-054-6453

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Product Identification
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Product ID: BREAK-FREE CLP, LIQUID

MSDS Date: 03/27/1991

FSC: 9150

NIIN: 01-054-6453

MSDS Number: BJXQR

=== Responsible Party ===

Company Name: BREAK-FREE, INCORPORATED

Address: 1035 S. LINWOOD AVENUE

City: SANTA ANA

State: CA

ZIP: 92705-4396

Country: US

Info Phone Num: 714-953-1900

Emergency Phone Num:

800-424-9300 (714-953-1900)

Preparer's Name: MR. JOHN

CAGE: MO767

=== 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

Company Name: BREAK-FREE, INCORPORATED

Address: 1035 S. LINWOOD AVENUE

Box: City: SANTA ANA

State: CA

ZIP: 92705-4396

Country: US

Phone: 714-953-1900

CAGE: MO767

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Composition/Information on Ingredients
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Ingred Name: SYNTHETIC

TIC & PARAFINIC OILS & OTHER PROPRIETARY ING

CAS:68649-12-7

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,PHOSPHATE
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
OSHA PEL:100 PPM
ACGIH TLV:100PPM 9394

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:10
0PPM 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.
AABSORPTION THROUGH THE SKIN MAY C AUSE SYSTEMIC EFFECTS TO BL

OOD,
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 DISORDERS MAY BE AGGRAVATED BY EXPOSURE TO THIS
MATERIAL.

===== 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:
REMOV E CONTAMINATED CLOTHING. WASH WITH SOAPAND WATER. IF
IRRITATION PERSISTS, GET MEDICAL ADVICE. INGESTION:DO NOT INDUCE
VOMITING. GIVE NOTHING BY MOUTH IF UNCONSCIOUS. GET IMMEDIATE
MEDICAL ATTENTION.

===== 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 EQ
UIPMENT 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.

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

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

Neutralizing Agent:NOT APPLICABLE.

===== 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 I

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.

===== 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, IN

STRUCTIONS/ 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

AVOID PROLONGED OR REPEATED EXPOSURE. DO NOT GET ON SKIN OR IN EYES. DO
NOT BREATHE VAPORS OR MISTS.

===== 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

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

Stability Indicator/Materials to Avoid:YES

STRONG OXIDIZING AGENTS

Stability Condition to Avoid:HIGH HEAT, OPEN FLAMES AND OTHER SOURCES
OF IGNITION

Hazardous Decomposition Products:OXIDES OF CARBON, SULFUR AND NITROGEN,
ACIDIC PRODUCTS OF THERMAL DECOMPOSITION, INCLUDING HYDROGEN
CLORIDE, 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 NAVIGABLE WATERS, STREAMS, LAKES OR
RIVERS.

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