

FIRST BRANDS -- PRESTONE SILICONE SPRAY LUBRICANTS, AS193 -- 9150-01-340-3804

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Product Identification
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Product ID:PRESTONE SILICONE SPRAY LUBRICANTS, AS193

MSDS Date:01/24/1991

FSC:9150

NIIN:01-340-3804

MSDS Number: BSYPX

=== Responsible Party ===

Company Name:FIRST BRANDS

Address:83 WOOSTER HEIGHTS ROAD BLDG 30

City:DANBURY

State:CT

ZIP:06813-1911

Country:US

Info Phone Num:203-731-2300

Emergency Phone Num:800-424-9300 (CHEMTREC)

CAGE:NO468

=== Contractor Identification ===

Company Name:FIRST BRANDS

Address:83 WOOSTER HEIGHTS ROAD BLDG 30

Box:City:DANBURY

State:CT

ZIP:06813-1911

Country:US

Phone:203-731-2300

CAGE:NO468

Company Name:PRESTONE PRODUCTS CORP

Address:39 OLD RIDGEBURY RD

Box:City:DANBURY

State:CT

ZIP:06810-5109

Country:US

Phone:203-731-3686/830-7865

CAGE:0CXZ7

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Composition/Information on Ingredients
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Ingred Name:METHANE, CHLORODIFLUORO-; (CHLORODIFLUOROMETHANE)

CAS:75-45-6

RTECS #:PA6390000

Fraction by Wt: 10-30%

OSHA PEL:1000 PPM
ACGIH TLV:1000 PPM
Ozone Depleting Chemical:2

Ingred Name:METHYL ETHER; (DIMETHYL ETHER)
CAS:115-10-6
RTECS #:PM4780000
Fraction by Wt: 10-30%
Other REC Limits:1000 PPM TWA

Ingred Name:HYDROTREATED HEAVY NAPHTHA (PETROLEUM); (HEAVY NAPHTHA)
CAS:64742-48-9
Fraction by Wt: 7-13%
Other REC Limits:300 PPM TWA

Ingred Name:PROPANE, 2-METHYL-; (ISOBUTANE)
CAS:75-28-5
RTECS #:TZ4300000
Fraction by Wt: 15-40%

Ingred Name:NONHAZARDOUS INGREDIENTS
Fraction by Wt: >1%

Ingred Name:DOW CORNING 200 FLUID; (SILICONE OIL)
CAS:63148-62-9
RTECS #:JT6484500
Fraction by Wt: 3-7%

Ingred Name:SUPP DATA: HUMAN HLTH HAZ EVALUATION FLUOROCARBON 22 HAS
BEEN SHOWN TO CAUSE IN LAB ANIMALS A LOW INCIDENCE OF (ING 8)
RTECS #:9999999ZZ

Ingred Name:ING 7:BIRTH DEFECTS @ VERY HIGH CONC IN ATM (50,000 PPM OF
FLUOROCARBON 22). IN CHRONIC INHAL STUDIES, (ING 9)
RTECS #:9999999ZZ

Ingred Name:ING 8:FLUROCARBON 22 PRDCD A SM INCR IN TUMOR INCIDENCE IN
MALE RATS, BUT NOT IN FEMALE RATS/IN MALE & FEMALE (ING 10)
RTECS #:9999999ZZ

Ingred Name:ING 9:MICE @ A HIGH CONC (50,000 PPM). NO EFTS WERE
OBSERVED @ 10,000 PPM. CHLOROFLUOROCARBON MATLS HAVE PRDCD (ING
11)

RTECS #:9999999ZZ

Ingred Name:ING 10:SENSIT OF MYOCARDIUM TO EPINEPHRINE IN LAB ANIMALS &

COULD HAVE SIMILAR EFT IN HUMANS. ADRENOMIMETICS (ING 12)

RTECS #:9999999ZZ

Ingred Name:ING 11: (E.G., EPINEPHRINE) MAY BE CONTRAINDICATED EXCEPT FOR LIFE-SUSTAINING USES IN HUMANS ACUTELY OR (ING 13)

RTECS #:9999999ZZ

Ingred Name:ING 12: CHRONICALLY EXPOSED TO CFC'S .

RTECS #:9999999ZZ

Ingred Name:FIRST AID PROC: DO NOT ADMINISTER ADRENALIN DUE TO SENSITIZING EFT OF FLUROCARBONS ON MYOCARDIUM. TRTMT OF (ING 15)

RTECS #:9999999ZZ

Ingred Name:ING 14:OVEREXP SHOULD BE DIRECTED @ CTL OF SYMPS & CLINICAL

CNDTN.

RTECS #:9999999ZZ

Ingred Name:OTHER PREC: PHOSGENE . LG SPILLS: WEAR NIOSH/MSHA APPROVED SCBA.

RTECS #:9999999ZZ

==== Hazards Identification =====

LD50 LC50 Mixture:NONE SPECIFIED BY MANUFACTURER.

Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO

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

Health Hazards Acute and Chronic:ACUTE: INGEST: AN UNLIKELY RTE OF EXPOS, BUT FROSTBITE OF LIPS & MOUTH MAY RSLT FROM CONT W/MATL. SKIN ABSORP: PRLNGD/WIDESPREAD SKIN CONT MAY RSLT IN ABSORP OF POTENTIALLY HARMFUL AMTS OF MATL. INHAL : MAY BE MILDLY IRRITATING TO MUC MEMB.@ HIGH CONC, MAY CAUSE DROW, HDCH, INCOORD, BLURRED VISION, (EFTS OF OVEREXP)

Explanation of Carcinogenicity:NOT RELEVANT

Effects of Overexposure:HLTH HAZ:ANALGESIA, CONFUSN, DIZZ, VOMIT, CARDIAC IRREG, & CNS DEPRESS. SKIN: SPRAY MAY CAUSE FROSTBITE & IRRIT, LATTER BEING SEEN AS SEV REDDEN & SWELL. EYE: SPRAY MAY BE IRRITATING W/POSS REDDEN OF CONJUNCTIVA. RPTD OVEREXP OF LIQ TO

SKIN CAN CAUSE CRACKING & DRYING. RPTD INHAL MAY CAUSE LOSS OF APPETITE, (SUPP DATA)

Medical Cond Aggravated by Exposure:BECAUSE OF ITS DEFATTING PROPERTIES, THIS MATERIAL MAY AGGRAVATE AN EXISTING DERMATITIS.

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First Aid Measures
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First Aid:INGEST: GIVE 2 GLASSES OF MILK/WATER. DO NOT INDUCE VOMIT. CALL A PHYS. SKIN: IMMED WARM FROSTBITE AREA W/WARM WATER (NOT TO EXCEED 105/F). CALL A PHYS IF DISCOMFORT PERSISTS. INHAL: REMOVE TO FRESH AIR. GIVE ARTF RESP IF NOT BRTHG. OXYGENMAY BE GIVEN WHEN NEC. CALL A PHYS. EYES: IMMED FLUSH THORO W/WATER FOR @ LST 15 MIN. SEEK MED ATTN PROMPTLY. NOTES TO PHYS: CNTNS A FLUOROCARBON; (ING 14)

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Fire Fighting Measures
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Flash Point Method:PMCC
Flash Point:153F,67C
Extinguishing Media:CARBON DIOXIDE, DRY CHEMICAL, FOAM, AND WATER FOG.
Fire Fighting Procedures:WEAR NIOSH/MSHA APPROVED PRESSURE DEMAND SCBA AND FULL PROTECTIVE EQUIPMENT . KEEP CONTAINERS COOL W/WATER SPRAY.
Unusual Fire/Explosion Hazard:THERMAL DECOMPOSITION PRODUCTS MAY INCLUDE CHLORIDES, FLUORIDES AND PHOSGENE .

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Accidental Release Measures
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Spill Release Procedures:WEAR APPROPRIATE PERSONAL PROTECTIVE EQUIPMENT AND REMOVE ALL SOURCES OF IGNITION. COLLECT MATERIAL FOR DISPOSAL IN A CONTAINER SUITABLE FOR FLAMMABLE WASTE.
Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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Handling and Storage
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Handling and Storage Precautions:DO NOT DRINK/SWALLOW CONTENTS. AVOID EYE & SKIN CONT. AVOID BRTHG VAPS; USE IN WELL VENTD AREA. CONTENTS UNDER PRESS; DO NOT STORE @ TEMPS ABOVE 120F.
Other Precautions:OBSERVE ALL REQUIREMENTS OF PLANT, COMPANY/GOVT

REGS.

KEEP OUT OF REACH OF CHILDREN. NO SMOKING IN AREA OF USE. DO NOT USE IN GEN VICIN OF ARC WELD, OPEN FLAMES/HOT SURF. HEAT &/OR UV RADIA MAY CAUSE FORM OF CHLORIDES, FLUORIDES, (ING 16)

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Exposure Controls/Personal Protection
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Respiratory Protection:NONE REQUIRED FOR NORMAL USE AND HANDLING.

NIOSH/MSHA APPROVED SCBA IS RECOMMENDED FOR FIRE FIGHTING AND TO HANDLE LARGE SPILLS.

Ventilation:GEN(MECH) VENT IS ADEQ FOR NORM HNDLG. LOC EXHAUST VENT IS RECOM FOR OPERATIONS WHERE EMPLOYEE EXPOS MAY EXCEED PEL.

Protective Gloves:LINED RUBBER GLOVES.

Eye Protection:ANSI APRV CHEMICAL WORKERS GOGGLES (FP N

Other Protective Equipment:EYE WASH AND SAFETY SHOWER MEETING ANSI DESIGN CRITERIA .

Work Hygienic Practices:NONE SPECIFIED BY MANUFACTURER.

Supplemental Safety and Health

HAZ DECOMP: CARBON MONOXIDE & CARBON DIOXIDE. CHLORIDES, FLUORIDES & PHOSGENE . EFTS OF OVEREXP: EXHAUSTION, HDCH, SLEEPINESS, DIZZ, EXCITATION, & PSYCHIC DISTURB. OTHER EFTS OF OVEREXP: @ VERY HIGH CONC OF VAP, MAY PRDCE CARDIAC ARRHYTHMIA/ARREST DUE TO SENSIT OF HEART TO ADRENALIN & NORADRENALIN. (ING 7)

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Physical/Chemical Properties
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Boiling Pt:B.P. Text:370F,188C

Melt/Freeze Pt:M.P/F.P Text:<-30F,<-34C

Vapor Pres:1

Vapor Density:>1

Spec Gravity:0.8

Evaporation Rate & Reference:>1(BUTYL ACETATE=1)

Solubility in Water:NOT SOLUBLE

Appearance and Odor:LIGHT BROWN, SLIGHTLY TURBID LIQUID

Percent Volatiles by Volume:95.5

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Stability and Reactivity Data
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Stability Indicator/Materials to Avoid:YES

ALKALI OR ALKALINE EARTH, METALS, POWDERED. ALSO OXYGEN, OXIDIZERS, CARBON MONOXIDE, ACETIC ACID, ORG ACID ANHYDRIDES.

Stability Condition to Avoid:HEAT, SPARKS AND OPEN FLAMES.

Hazardous Decomposition Products:DECOMP BY HIGH TEMPS MAY FORM

HYDROCHLORIC & HYDROFLUORIC ACIDS, POSS CARBONYL HALIDES. BURNING
MAY PRDCE (SUPP DATA)

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

Waste Disposal Methods:WASTE MATL IS A RCRA HAZ WASTE DUE TO
IGNITABILITY IF DISCARDED IN ITS PURCHASED FORM. INCINERATION OR
LANDFILLING SHOULD BE CARRIED OUT I/A/W APPLICABLE RCRA FEDERAL,
STATE AND LOCAL REGULATIONS.

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