

FRANKS RESEARCH LABS, INC -- FRANK ALKALINE CLEANER - DEGREASER -- 7930-01-075-0776
===== Product Identification =====

Product ID:FRANK ALKALINE CLEANER - DEGREASER

MSDS Date:01/13/1993

FSC:7930

NIIN:01-075-0776

MSDS Number: BSHMM

=== Responsible Party ===

Company Name:FRANKS RESEARCH LABS, INC

Box:36395

City:OKLAHOMA CITY

State:OK

ZIP:73136-2395

Country:US

Info Phone Num:405-235-8036

Emergency P

hone Num:405-235-8036

CAGE:76269

=== Contractor Identification ===

Company Name:FRANKS RESEARCH LABS, INC.

Address:316 EAST SHERIDAN

Box:City:OKLAHOMA CITY

State:OK

ZIP:73104

Country:US

Phone:405-235-8036

CAGE:76269

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

Ingred Name:SODIUM SILICATE

CAS:1344-09-8

Fraction by Wt: 18.43%

Other REC Limits:NONE SPECIFIED

Ingred Name:NONYLPHENOXYPOLY-ETHOXYETHANOL

CAS:127087-87-0

RTECS #:ME0906000

Fraction by Wt: 5.00%

Other REC Limits

:NONE SPECIFIED

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

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

Health Hazards Acute and Chronic:INHALATION: CORROSIVE TO MUCOUS MEMBRANES & RESPIRATORY TRACT, CHEMICAL PNEUMONIA. EYE: SEVERE IRRITATION & DAMAGE W/CORNEAL OR CONJUCTIVAL ULCERATION. SKIN: IRRITATING TO SKIN, RASH OR CHEM BURNS. IN GESTION: MUCOUS MEMBRANE & GI CORROSION(NAUSEA, VOMITING, HEADACHE, WEAKNESS, AND ABNORMAL KIDNEY FUNCTION

Medical Cond Aggravated by Exposure:ASTHMA, LUNG AND SKIN DISEASES.

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

First Aid:GET IMMED MED AID. INHAL:REMOVE TO FRESH AIR.GIVE ARTIF RESP IF NO BREATH. EYE:IMMED FLUSH EYES W/WATER 15 MIN,LIFT EYELID. SKIN:IMMED WASH SKIN W/WATER.NEUTRLZ W/DILUTE VINEGAR/LEMON JUICE.REMOVE CON TAM CLOTH &SHOES.GET MED AID IF IRRIT AFTER WASH. INGEST:DON'T INDUCE VOMIT.IF CONSCIOUS,GIVE MUCH WATER,MILK,THEN DRINK DILUTE VINEGAR,LEMON/ORANGE JUICE.NOTHING BY MOUTH TO UNCONSCOUS/CONVULSING.

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

Flash Point Method:PMCC

Flash Point:477F,247C

Extinguishing Media:WATER SPRAY (FOG), ALCOHOL TYPE OR ALL PURPOSE TYPE FOAMS (FOLLOWING MFR RECOMMENDATION). CARBON DIOXIDE OR DRY CHEMICAL

Fire Fighting Procedures:SODIUM SILICATE SLIPPERY.AVOID WALKING ON SPILL.AVOID BODY/EYE CONTACT W/MAT'L.DON'T DIRECT WATER STREAM/FOAM INTO HOT BURN POO

LS.WEAR SCBA & FULL PROTECT CLOTH

Unusual Fire/Explosion Hazard:MAY PRDUCE FLOATING FIRE HAZARD. FLAMMABLE HYDROGEN MAY BE PRODUCED ON CONTACT WITH COPPER, ALUMINUM, TIN, LEAD OR ZINC. USE WATER SPRAY TO COOL CNTNRS/STRUCTRS

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

Spill Release Procedures:WEAR ALKALI-RESIST SLICKER SUIT &PROTECT EQUIP(EYE PROTECTN,RUBBER GLOVES/BOOTS &SCBA-POS PRESSR/AIR SUPPLD AIR ASPIRATOR).FLOOR SLIPPERY;AVOID FALLING.CONTAIN.

TRANSFR LIQ &

SOLID TO CONTNR. TO AVOID GELLING & FOAMING PROBLEMS. DONT USE WATER TO FLUSH.

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

Handling and Storage Precautions: STORE IN COOL, DRY, WELL VENTED PLACE.
STORE AWAY FROM OTHER CHEMICAL & POTENTIAL CONTAMINATION SOURCE.
KEEP CONTAINER TIGHTLY CLOSED WHEN NOT IN USE.

Other Precautions: DO NOT USE PRESSURE TO EMPTY CONTAINER. WASH THOROUGHLY AFTER HANDLING. DO NOT GET IN EYES, ON SKIN, OR ON CLOTHING.

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

Respiratory Protection: IF VAPOR/MIST, WEAR NIOSH RESPIRATOR FOR EMISSION LEVELS. APPROPRIATE RESPIRATORS MAY BE FULL FACE PIECE OR 1/2 MASK AIR PURIFYING CARTRIDGE RESPIRATOR WITH PARTICULATE FILTERS, SCBA IN PRESSURE DEMAND MODE, OR SUPPLIED AIR RESPIRATOR.

Protective Gloves: NEOPRENE, VINYL OR RUBBER GLOVES

Eye Protection: CHEM GOGGLES, FULL FACE SHIELD, FULL FACE PIECE

Other Protective Equipment: AN EYEWASH & SAFETY SHOWER SHOULD BE NEARBY

READY FOR USE. GENERALLY RECOGNIZED THAT CONTACT LENSES SHOULD NOT BE WORN.

Work Hygienic Practices: WASH CONTAMINATED CLOTHING BEFORE REUSE.

Supplemental Safety and Health

NOTE TO DR: NO SPECIFIC ANTIDOTE. DIRECT TREATMENT AT SYMPTOMS CONTROL & CLINICAL CONDITION. DUE TO IRRITANT & SURFACTANT ACTION. IF ASPIRATED (SWALLOWING/VOMITING) THERE MAY BE LUNG INJURY, DON'T USE MECHANICAL/PHARMACOLOGICAL MEANS TO INDUCE VOMITING. IF EVACUATION NEEDED USE

GASTRIC LAVAGE, ETC (NO ASPIRATION).

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

HCC: B3

Boiling Pt: B.P. Text: 212F, 100C

Vapor Pres: 24

Vapor Density: AS WATER

Spec Gravity: 1.07 (WATER=1)

pH: 12.5

Solubility in Water: COMPLETE

Appearance and Odor: CLEAR TO HAZY, COLORLESS, ODORLESS LIQUID

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

Stability Indicator/Materials to Avoid: YES

STRONG ACIDS, BASES, OXIDIZERS, MAT'L'S REACTIVE W/HYDROXYL COMPOUNDS.
PR

OLONGED CONTACT W/ALUMINUM, TIN, LEAD, ZINC.

Stability Condition to Avoid:PROLONGED EXCESSIVE HEAT MAY CAUSE PRODUCT DECOMPOSITION.

Hazardous Decomposition Products:BURNING CAN PRODUCE CARBON MONOXIDE AND/OR CARBON DIOXIDE.

Conditions to Avoid Polymerization:PROLONGED EXCESSIVE HEAT MAY CAUSE PRODUCT DECOMPOSITION.

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

Waste Disposal Methods:COMPLY W/GOVERNMENTAL REGULATIONS ON SPILL REPORTING & HANDLING & WASTE DISPOSAL. DISPOSE OF CONTAM PRODUCT & MATERIALS USED IN CLEANING UP SPILLS/LEAKS IN APPROVED MANNER. CONSULT FED, STATE, & LOCAL REG AGENCIES. DISPOSE OF EMPTY CONTAINERS AS ABOVE

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