

FRANKS RESEARCH LABS, INC. -- FRANK ACID BOWL CLEANER -- 7930-00-664-7483

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Product Identification  
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Product ID:FRANK ACID BOWL CLEANER

MSDS Date:01/13/1993

FSC:7930

NIIN:00-664-7483

MSDS Number: BSHKL

=== Responsible Party ===

Company Name:FRANKS RESEARCH LABS, INC.

Address:316 EAST SHERIDAN

City:OKLAHOMA CITY

State:OK

ZIP:73104

Country:US

Info Phone Num:405-235-8036

Emergency Phone Num:

405-235-8036/800-769-2716

CAGE:76269

=== Contractor Identification ===

Company Name:FRANKS RESEARCH LABS, INC.

Address:316 EAST SHERIDAN

Box:City:OKLAHOMA CITY

State:OK

ZIP:73104

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Composition/Information on Ingredients  
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Ingred Name:HYDROCHLORIC ACID (SARA III)

CAS:7647-01-0

RTECS #:MW4025000

Fraction by Wt: 5.5%

Other REC Limits:NONE SPECIFIED

OSHA PEL:5 PPM

ACGIH TLV:5 PPM

EPA Rpt Qty:5000 LBS

DOT Rpt Qty:5000 LBS

Ingred N

ame:MODIFIED POLY ALKOXYLATE

Fraction by Wt: 1.76%

Other REC Limits:NONE SPECIFIED

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

LD50 LC50 Mixture:INHAL LD50: 3,124 PPM/1 HR (RAT)

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

Health Hazards Acute and Chronic:INHAL:EXTREME CORROSIVE

(NOSE,THROAT,MUCOUS MEMBRANES).BRONCHITIS,PULMONARY EDEMA,CHEM PNEUMONITIS.IRRIT,COUGH,CHEST PAIN,BREATHING DIFFICULTIES, TISSUE DAMAGE,DEATH.EYE:EXTREME CORROSIVE.SEVERE IRR

IT, DAMAGE,PERM

INJURY,BLINDNESS.SKIN:EXTREME CORROSIVE,SEVERE BURNS,DESTROY TISSUE,DEATH IF BURNS COVER LRG PART OF BODY. \*

Effects of Overexposure:\* SWALLOWED: EXTREMELY CORROSIVE TO MOUTH & THROAT. TISSUE BURNS, SEVERE ABDOMINAL PAIN, NAUSEA, VOMITING, COLLAPSE. LRG QTY CAN CAUSE DEATH. CHRONIC: DESTRUCTION OF SKIN TISSUE, PRIMARY IRRITANT DERM ATITIS. INHALATION: DAMAGE TO TISSUES &INCREASING SUCEPTIBILITY TO RESPIRATORY ILLNESS.

Medical Cond Aggravated by Exposure:NO

NE REPORTED

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

First Aid:INHAL:REMOVE TO FRESH AIR. GIVE ARTIF RESPRTN IF NOT BREATHING. GET IMMED MED AID. EYES:IMMED FLUSH W/RUNNING WATER 30 MIN, LIFT EYELIDS OCCASIONALLY. GET MED AID. SKIN: IMMED FLUSH W/RUNNING WATER 30 MIN. REMOVE CONTAM CLOTHES & SHOES. WASH BEFORE REUSE. GET IMMED MED AID. INGEST: DON'T INDUCE VOMITING. CONSCIOUS, GIVE LOTS OF WATER. GET IMMED MED AID. NOTHING BY MOUTH TO UNCONSCIOUS PERSON.

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

Flash Point Method:PMCC

Flash Point:310F,154C

Extinguishing Media:USE WATER SPRAY, DRY CHEMICAL OR CO2.

Fire Fighting Procedures:FIRE FIGHTERS SHOULD WEAR SELF-CONTAINED BREATHING APPARATUS & FULL PROTECTIVE CLOTHING. USE WATER SPRAY TO COOL NEARBY CONTAINERS & STRUCTURES EXPOSED TO FIRE.

Unusual Fire/Explosion Hazard:EXTINGUISH ALL NEARBY SOURCES OF IGNITION SINCE FLAMMABLE HYDROGEN GAS WILL BE LIBER

ATED FROM CONTACT WITH  
SOME METALS.

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

Spill Release Procedures:ACID RESIST SLICKER SUIT/COMPLETE PROTECT  
EQUIP (RUBBER GLOVES/BOOTS,SCBA-PRESS MODE OR SUPPLD AIR RSPRTR).  
SMALL: FULL FACEPIECE AIR CARTRIDGE RSPRTR ACID GASES EQUIPPD. WEAR  
EYE PROTECT. MOP/WIPE. L ARGE:DIKE. KEEP OUT OF DRAINS,SURFACE  
WATERS,SOIL.

Neutralizing Agent:SODA ASH OR LIME. IF SODA ASH USED VENT TO DISSIPATE  
CARBON DIOXIDE GAS.

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

Handling and Storage Precautions:STORE IN COOL, DRY, VENTED PLACE AWAY  
FROM INCOMPATIBLE MATERIALS. KEEP CONTAINER TIGHTLY CLOSED WHEN NOT  
IN USE. DON'T USE PRESSURE TO EMPTY CNTNRS.

Other Precautions:WASH AFTER HANDLING. DON'T GET IN EYES, ON SKIN, ON  
CLOTHES. DON'T CUT, GRIND, WELD, DRILL ON/NEAR CONTAINER.  
CONTAINERS, EVEN EMPTIED, WILL RETAIN PRODUCT RESIDUE. ALWAYS OBEY  
HAZARD WARNINGS & HANDL E EMPTY C  
ONTAINERS AS IF THEY WERE FULL.

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

Respiratory Protection:WEAR NIOSH RESPIRATOR FOR VAPOR/MIST  
CONCENTRATION AT POINT OF USE. RESPIRATORS MAY BE FULL FACEPIECE OR  
1/2 MASK AIR PURIFY CARTRIDGE ACID GAS RESPIRATOR EQUIPPED, SCBA IN  
POSITIVE PRESURE DEMAND MOD E, OR SUPPLIED AIR RESPIRATOR.

Ventilation:LOCAL MECHANICAL EXHAUST VENTILATION CAPABLE OF MAINTAINING  
EMISSION AT THE POINT OF USE BELOW THE PEL.

Protective

Gloves:RUBBER,SYTHETIC ELASTOMER,PVC,IMPERVIOUS

Eye Protection:GOGGLES W/FULL FACESHIELD,FULL FACEPIECE

Other Protective Equipment:ACID RESISTANT SLICKER SUIT W/RUBBER APRON,  
BOOTS OUTSIDE & RUBBER GLOVES W/GAUNTLETS. EYEWASH & SAFETY SHOWER  
NEARBY.

Work Hygienic Practices:WASH CONTAMINATED CLOTHING BEFORE REUSE.

Supplemental Safety and Health

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

HCC:C1

Boiling Pt:B.P. Text:150 TO 230F

Vapor Pres:30

Spec Gravity:1.03 (WA

TER=1)

pH:1.0

Solubility in Water:COMPLETE

Appearance and Odor:CLEAR, COLORLESS LIQUID WITH SLIGHTLY PUNGENT IRRITATING ODOR

Percent Volatiles by Volume:100

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

Stability Indicator/Materials to Avoid:YES

ALKALIS,OXIDIZER/REDUCER,CYANIDE,SULFIDE,COMBUSTBL,FORMALDEHYDE,AMINE,VINYL AC,PROPYLENE/METAL OXIDE,BETA-PROPIOLACTONE.

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

Hazardous

Decomposition Products:MAY LIBERATE HYDROGEN CHLORIDE.

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:DISPOSE IN DOT WASTE CONTAINERS. COMPLY WITH APPLICABLE GOVERNMENTAL REGULATIONS ON SPILL REPORTING, & HANDLING & DISPOSAL OF WASTE. DISPOSE OF CONTAM PRODUCT IN MANNER APPROVED

OR MAT'L. CONSULT FED , STATE, & LOCAL AGENCIES FOR PROPER PROCEDURE.

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