

MATERIAL SAFETY DATA SHEET

31807

ATTENTION: SAFETY DIRECTOR

TO: KING CO DIR ASSOC
18639-SOUTH AVE SO
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FROM: INDUSTRIAL CHEMICAL LAB., INC.
1015 NORTH 14 ST.
OMAHA, NE. 68102
TELEPHONE: 402-342-4248

TRADE NAME: SAFE BOWL CLEANER
DATE ISSUED: 052786

Table with hazard ratings: HEALTH: 2 (0 MINIMAL HAZARD), FLAMMABILITY: 0 (1 SLIGHT HAZARD), REACTIVITY: 0 (2 MODERATE HAZARD), PERSONAL PROTECTION: 2 (3 SERIOUS HAZARD, 4 SEVERE HAZARD)

INGREDIENTS

Table of ingredients: HYDROGEN CHLORIDE (PERCENTAGE: <10), ISOPROPNOL (PERCENTAGE: 5-10), POLYOXYETHYLENE (PERCENTAGE: <5)

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PHYSICAL DATA

BOILING POINT: 182 SPECIFIC GRAVITY: 1.03 VAPOR PRESSURE: 25
PERCENT VOLATILE BY VOLUME: 90 VAPOR DENSITY: 1.27
EVAPORATION RATE: BUTYL ACETATE =1 >1
SOLUBILITY IN WATER: COMPLETE
APPEARANCE AND ODOR: VISCOUS RED LIQUID WITH PERFUMED ODOR.

FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: NONE
FLAMMABLE LIMITS: NA
LEL: NA UEL: NA
EXTINGUISHING MEDIA:

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WATER, DRY CHEMICAL, CARBON DIOXIDE FOAM.

SPECIAL FIRE FIGHTING PROCEDURES:

EXPOSURE TO HEAT MAY INCREASE CONCENTRATION OF HYDROGEN CHLORIDE. WEAR PROTECTIVE CLOTHING AND SELF-CONTAINED BREATHING APPARATUS.

UNUSUAL FIRE AND EXPLOSION HAZARDS:

MAY REACT WITH METALS TO PRODUCE GASES WHICH MAY FORM EXPLOSIVE MIXTURES WITH AIR.

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REACTIVITY DATA

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STABILITY: STABLE

CONDITIONS TO AVOID:

REACTIVE WITH MOST METALS.

INCOMPATIBILITY (MATERIALS TO AVOID):

CONTACT W/STRONG BASES MAY CAUSE VIOLENT REACTION GENERATING LG AMTS OF HEAT.

HAZARDOUS DECOMPOSITION PRODUCTS:

HYDROGEN CHLORIDE VAPORS, FLAMMABLE HYDROGEN GAS.

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR

CONDITIONS TO AVOID:

NONE

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HEALTH HAZARD DATA

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THRESHOLD LIMIT VALUE:

5 PPM CEILING LIMIT ACGIH

ROUTE(S) IF ENTRY: INHALATION: + SKIN: + INGESTION: +

EFFECTS OF OVEREXPOSURE:

CONTACT WITH EYES OR SKIN MAY CAUSE IRRITATION OR BURNS. INHALATION OF FUMES OR MIST MAY CAUSE COUGHING AND CHOKING. INGESTION MAY CAUSE SEVERE BURNS OF MOUTH, THROAT AND STOMACH.

CARCINOGENICITY: NTP: - IARC MONOGRAPHS: - OSHA REGULATED: -

EMERGENCY FIRST AID PROCEDURES:

FOR SKIN CONTACT, WASH THOROUGHLY WITH SOAP AND WATER. FOR EYE CONTACT, FLUSH WITH CLEAR WATER FOR 15 MINUTES. IF INHALED AND RESPIRATORY EFFECTS OCCUR, REMOVE TO FRESH AIR. IF INGESTED OR IF ANY IRRITATION PERSISTS, CONSULT A PHYSICIAN.

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PRECAUTIONS FOR SAFE HANDLING AND USE

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STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

NEUTRALIZE WITH LIME OR SODA ASH. DILUTE WITH LARGE AMOUNTS OF WATER.

WASTE DISPOSAL METHOD:

DILUTE AND/OR NEUTRALIZE AND DISPOSE IN ACCORDANCE WITH APPROPRIATE LOCAL, STATE AND FEDERAL REGULATIONS.

RCRA:

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING:

KEEP OUT OF REACH OF CHILDREN. WEAR RUBBER GLOVES AND PROTECTIVE EYEWEAR WHEN HANDLING CONCENTRATE. AVOID INHALATION OF MISTS AND VAPORS. AVOID EYE AND PROLONGED SKIN CONTACT. STORE AWAY FROM HEAT, SUNLIGHT, STRONG BASES AND OTHER REACTIVE MATERIALS. DO NOT SPILL ON FABRICS.

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SPECIAL PROTECTION INFORMATION

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RESPIRATORY PROTECTION (SPECIFY TYPE):

NONE NORMALLY REQUIRED.

VENTILATION:

USE MECHANICAL EXHAUST TO CONTROL LEVEL BELOW CEILING LIMIT.

PROTECTIVE GLOVES:

RUBBER OR PLASTIC

EYE PROTECTION:

SPLASHPROOF CHEMICAL SAFETY GOGGLES

OTHER PROTECTIVE EQUIPMENT:

RUBBER APRON