

SHARKHIDE ALUMINUM CLEANER

READ AND UNDERSTAND THIS DOCUMENT PRIOR TO USE.

MATERIAL SAFETY DATA SHEET

SECTION I - PRODUCT IDENTIFICATION

PRODUCT NAME	Sharkhide Aluminum Cleaner
CHEMICAL FAMILY	ACID CLEANER - LIQUID
EMERGENCY CONTACT NUMBER	CHEMTREC 1-800-424-9300

SECTION II - HAZARDOUS COMPONENTS

INGREDIENT	CAS#
HYDROFLUORIC ACID	7664-39-3 STEL= 2.3 MG/M3 PEL= 3 PPM (1989 STD)
SULFURIC ACID	7664-93-9 TLV =1.0 MG/M3 PEL=1.0 MG/M3

THIS PRODUCT CONTAINS SUBSTANCES SUBJECT TO SECTION 313 OF SARA TITLE II AND 40 CFR 372.

SECTION III - HEALTH HAZARD DATA

EYES:	CAN CAUSE BURNS AND IRRITATION. WILL CAUSE DAMAGE IF UNTREATED.
SKIN:	CAN CAUSE SEVERE IRRITATION AND/OR PAINFUL BURNS WHICH MAY NOT BE IMMEDIATELY EVIDENT OR PAINFUL.
BREATHING:	MAY CAUSE COUGHING, SNEEZING, OR OTHER SYMPTOMS OF UPPER RESPIRATORY TRACT IRRITATION.
SWALLOWING:	CAN CAUSE SEVERE IRRITATION AND/OR CHEMICAL BURNS TO INGESTION SYSTEM.

FIRST AID:

IN EYES:	IMMEDIATELY FLUSH EYES WITH WATER FOR 15 MINUTES, LIFTING UPPER AND LOWER EYELIDS. GET MEDICAL ATTENTION IMMEDIATELY.
IF SWALLOWED:	DO NOT INDUCE VOMITING. DILUTE BY GIVING WATER, MILK, OR MILK OF MAGNESIA. GET MEDICAL ATTENTION IMMEDIATELY.
IF BREATHED:	REMOVE TO FRESH AIR. IF BREATHING IS DIFFICULT- GET MEDICAL ATTENTION IMMEDIATELY.

NONE OF THE HAZARDOUS INGREDIENTS ARE LISTED AS CARCINOGENS BY IARC, NTP, & OSHA.

SECTION IV - SPECIAL PROTECTION INFORMATION

NEOPRENE GLOVES AND EYE PROTECTION (GOGGLES OR FACE SHIELD) REQUIRED.
WEAR IMPERVIOUS CLOTHING AND WASH BEFORE REUSE.
USE ONLY WITH ADEQUATE VENTILATION TO MAINTAIN CONCENTRATION BELOW TLV.

SECTION V - PHYSICAL DATA

BOILING POINT	215 °F
VAPOR PRESSURE	SAME AS WATER
SPECIFIC GRAVITY	1.09
PERCENT VOLATILE	88.8
SOLUBILITY IN WATER	COMPLETE
EVAPORATION RATE	SAME AS WATER
APPEARANCE AND ODOR	LIGHT BLUE LIQUID - SHARP ODOR

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SECTION VI - FIRE AND EXPLOSION HAZARD

FLASH POINT	NONE
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EXTINGUISHING MEDIA
FLAMMABILITY LIMITS
SPECIAL FIRE FIGHTING PROCEDURES

N/A
NONE
COOL CONTAINER WITH WATER STREAM. USE SELF-CONTAINED BREATHING EQUIPMENT.

SECTION VII - REACTIVITY DATA

HAZARDOUS POLYMERIZATION	WILL NOT OCCUR
STABILITY	STABLE
INCOMPATIBILITY	ALKALIS ,SILICA BEARING MATERIALS AND OXIDIZERS

SECTION VIII - SPILL AND DISPOSAL PROCEDURES

SMALL SPILL	FLUSH AWAY OR MOP UP.
LARGE SPILL	CONTAIN AND NEUTRALIZE WITH SODA ASH OR LIME. PUMP INTO SALVAGE DRUM OR ABSORB ONTO SUITABLE MEDIA AND SHOVEL INTO SALVAGE CONTAINER. PROVIDE ADEQUATE VENTILATION TO MAINTAIN CONCENTRATION OF VAPOR BELOW TLV, OR USE RESPIRATORY PROTECTION SPECIFIC TO HYDROGEN FLUORIDE VAPORS OR USE SELF-CONTAINED BREATHING EQUIPMENT.

DISPOSE OF IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL REGULATIONS.

SECTION IX - SPECIAL PRECAUTIONS

**AVOID CONTACT WITH SKIN AND EYES.
USE NEOPRENE GLOVES AND SAFETY GLASSES OR FACE SHIELD.
AVOID BREATHING OF MISTS OR VAPORS.
NOT FOR HOME USE
FOR PROFESSIONAL AND INDUSTRIAL USE ONLY.
KEEP OUT OF REACH OF CHILDREN.
DO NOT TAKE INTERNALLY.**

SECTION X - TRANSPORTATION DATA

DOMESTIC GROUND TRANSPORTATION

DOT SHIPPING NAME:	CORROSIVE LIQUIDS, N.O.S. (CONTAINS HYDRAFLUORIC ACID AND SULFURIC ACIDS)
DOT HAZARD CLASS	8
DOT ID NUMBER	UN1760
DOT PACKAGE GROUP	II
DOT LABEL REQUIRED	CORROSIVE

DISCLAIMER

THE INFORMATION CONTAINED IN THIS MATERIAL SAFETY DATA SHEET IS PROVIDED PURSUANT TO 29CFR 1910.1200 TO CONVEY INFORMATION CONCERNING THE HAZARDOUS NATURE OF THE NAMED PRODUCT.

THE INFORMATION SUPPLIED WAS COMPILED FROM THE MOST RELIABLE SOURCES AVAILABLE AT THE TIME OF PREPARATION AND IN LIGHT OF THE MOST REASONABLE FORSEEABLE EXPOSURE SITUATIONS EXPECTED FROM THE INTENDED USE OF THIS PRODUCT. THE MATERIAL(S) MAY PRESENT GREATER OR LESSER HAZARD EXPOSURE UNDER CIRCUMSTANCES THAT ARE BEYOND THE CONTROL OF THE MANUFACTURER.