

MATERIAL SAFETY DATA SHEET

SUPERIOR PRODUCTS COMPANY INC.

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**WIRE WHEEL CLEANER
C-80**

SECTION I-PRODUCT INFORMATION:

NAME: WIRE WHEEL CLEANER

USE: ALUMINUM BRIGHTNER

CHEMICAL FAMILY: INORGANIC MINERAL ACID

SECTION II-PHYSICAL DATA:

BOILING POINT (F): 150

SPECIFIC GRAVITY (WATER=1): 1.2

POUNDS/GALLON:

VAPOR PRESSURE (mm hg): 110

SOLUBILITY IN WATER: 100%

% VOLATILE BY VOLUMN: 100

APPEARANCE: LIGHT BROWN LIQUID

ODOR: PUNGENT SMELL

SECTION III-HAZARDOUS INGREDIENTS:

<u>INGREDIENT:</u>	<u>CAS #</u>	<u>% BY WEIGHT</u>	<u>OSHA/PEL</u>	<u>ACGIH/TLV</u>
HYDROFLUORIC ACID	7664-39-3	<8%	6 PPM	3 PPM
PHOSPHORIC ACID	7664-38-2	<5%	1 MG/M3	1 MG/M3
GLYCOL ETHER	0111-76-2	<5%	25 PPM	25 PPM
HYDROFLUORIC ACID, AS FLUORIDE				

SECTION IV- FIRE & EXPLOSION HAZARD DATA:

FLASH POINT AND METHOD: N/A

EXTINGUISHING MEDIA: WATER SPRAY OR FOAM

SPECIAL FIRE FIGHTNING PRODEDURES: WEAR APPROPRIATE SELF CONTAINED BREATHING APARATUS

UNUSAL FIRE & EXPLOSIVE HAZARDS: NON-FLAMMABLE

SECTION V- HEALTH HAZARD DATA:

ROUTE OF ENTRY: INHALATION- SKIN- INGESTION-

EFFECTS OF ACUTE EXPOSURE: VAPORS AND MIST CAUSES IRRITATION TO RESPIRATORY TRACT. MAY CAUSE HEADACHE, DIZZINESS, NAUSEA, VOMITING AND MALAISE. MAY CAUSE BLINDNESS. DESTRUCTION MAY BE RAPID. LIQUID IS CORROSIVE TO THE SKIN. MAY CAUSE BURNS WHICH MAY NOT BECOME APPARENT FROM 1 TO 24 HOURS AFTER EXPOSURE. *SPEED IS IMPORTANT FOR BEGINNING TREATMENT* CASES OF HYDROFLUORIC ACID EXPOSURE OR SUSPECTED EXPOSURE REQUIRE IMMEDIATE SPECIALIZED FIRST AID AND MEDICAL ATTENTION. THE FLOURIDE IN HYDROFLUORIC ACID CAN READILY PENETRATE THE SKIN AND ATTACK UNDERLYING TISSUES, CAUSING SEVERE AND PAINFUL BURNS. UNLIKE OTHER ACIDS WHICH ARE RAPIDLY NEUTRALIZED, THIS PROCESS MAY CONTINUE FOR DAYS. HF SKIN BURNS ARE ACCOMPANIED BY SEVERE, THROBBING PAIN. INGESTION CAUSES SEVERE BURNS OF MUCOUS MEMBRANES OF MOUTH, ESOPHAGUS, AND MAY CAUSE INFLAMMATION OF THE LUNGS AND PULMONARY EDEMA. SWALLOWING MAY CAUSE DEATH.

EFFECTS OF CHRONIC EXPOSURE: WILL DRY SKIN OILS, MAY CAUSE NAUSEA OR DIZZINESS.

FYDROMFLUORIC ACID, FLUOROSIS (DIGESTIVE DISTURBANCES, DISCOLORATION OF TOOTH ENAMEL, INCREASED BONE DENSITY), KIDNEY, LIVER DAMAGE CAN OCCUR WITH PROLONGED EXPOSURE TO ELEVATED CONCENTRATIONS. SERUM FLOURIDE LEVELS OF 0.3 MG/DL OR GREATER ARE CONSIDERED ACUTE FATAL LEVELS. PROFOUND HYPOCALCEMIA, AND HYPOMAGNESEMIA OCCUR EARLY AFTER EXPOSURE BY INHALATION OR SKIN CONTACT.

Section V. HEALTH HAZARD DATA - cont.

MEDICAL CONDITIONS AGGRAVATED BY USE: NONE KNOWN.

EMERGENCY AND FIRST AID PROCEDURE:

EYE CONTACT-RINSE WITH WATER FOR 15 MINUTES. GET IMMEDIATE MEDICAL ATTENTION.

SKIN CONTACT-IMMEDIATELY FLUSH SKIN WITH PLENTY OF WATER . FOLLOW WATER FLUSHING BY IMMERSING EXPOSED AREA IN OR APPLYING FREQUENT COMPRESSES OF ICED AQUEOUS SOLUTION OF BENZALKONIM CHLORIDE. IF AVAILABLE, 2.5% CALCIUM GLUCONATE GEL MAY BE USED AS AN OPTIONAL TOPICAL TREATMENT.

EXCESSIVE VAPOR INHALATION- REMOVE VICTIM TO FRESH AIR AND RESTORE BREATHING IF NECESSARY. CALL A PHYSICIAN IF THERE ARE SIGNS OF BREATHING DIFFICULTIES.

IF SWALLOWED- DO NOT INDUCE VOMITING. GIVE LARGE QUANTITIES OF WATER OR MILK GET IMMEDIATE MEDICAL ATTENTION.

VI. REACTIVITY HAZARD DATA

STABILITY: STABLE INCOMPATIBILITY: STRONG OXIDIZING AGENTS

CONDITIONS TO AVOID: KEEP AWAY FROM OXIDIZERS

HAZARDOUS DECOMPOSITION OR BYPRODUCTS: N/A

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR

VII. PRECAUTIONS FOR SAFE HANDLING AND USE

CONTROL AND PROTECTION: GLOVES, SAFETY GLASSES, RESPIRATORY, VENTILATION

STEPS TO BE TAKEN IN CASE MATERIAL IS SPILLED OR RELEASED: STOP SPILL AT THE SOURCE, DIKE THE AREA AND CONTAIN THE FLOW, MOP UP OR ABSORB, AND PLACE IN SUITABLE CONTAINER. NOTIFY PROPER AUTHORITIES IF AN RQ IS INVOLVED.

WASTE DISPOSAL METHOD: AS DIRECTED BY LOCAL AND FEDERAL POLLUTION LAWS.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: COVER WITH ABSORBENT, PREVENT RUN OFF, COLLECT AND DISPOSE. OBSERVE ALL LOCAL, STATE, AND GOVERNMENT REGULATIONS.

VIII. CONTROL MEASURES

RESPIRATORY PROTECTION: ORGANIC CARTRIDGE TYPE RESPIRATOR IF VENTILATION OR OTHER MECHANICAL MEANS CANNOT KEEP AIR BELOW TLV.

VENTILATION: LOCAL EXHAUST IS PREFERABLE, BUT ANY MECHANICAL MEANS THAT WILL KEEP VAPORS BELOW LIMITS IS ACCEPTABLE.

PROTECTIVE GLOVES: RECOMMENDED-MUST NOT DISSOLVE IN SOVENTS.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: CHEMICAL GOGGLES AND APRON ARE RECOMMENDED IF SPLASHING IS POSSIBLE. AN EYE WASH AND SAFETY SHOWER SHOULD BE AVAILABLE.

WORK/HYGIENIC PRACTICES: AVOID BREATHING VAPOR OR SPRAY MIST. WASH HANDS THOROUGHLY AFTER CONTACT AND BEFORE BREAKS OR MEALS.