MATERIAL SAFETY DATA SHEET

SUPPLIER ADDRESS:

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PHONE NUMBER: 416-842-8300

MANUFACTURER ADDRESS:

PRAYON RUPEL

PHONE NUMBER

PRODUCT NAME

SODIUM FLUORIDE

CHEMICAL FAMILY:
PRODUCT USE: INORGANIC SALT

HAZARDOUS INGREDIENTS

INGREDIENT:	PERCENT:
SODIUM FLUORIDE CAS #: 7681-49-4 LD$_{50}$ (ORAL): 180 MG/KG (RAT)	60 - 100

PHYSICAL DATA

PHYSICAL STATE, ODOUR & APPEARANCE: WHITE POWDER
ODOUR THRESHOLD: N/AP
SPECIFIC GRAVITY: 2.78
COEFFICIENT OF WATER/OIL DISTRIBUTION: N/AP
VAPOUR PRESSURE: N/AP
BOILING POINT: 1,704°C
FREEZING POINT: 0 C
pH: N/AV
EVAPORATION RATE: N/AP
VOLATILES, % BY WEIGHT: N/AP

SOLUBILITY IN WATER: 40g/L @ 15°C

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FIRE AND EXPLOSION DATA

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CONDITIONS OF FLAMMABILITY: NON-FLAMMABLE
MEANS OF EXTINCTION: FOR FIRES INVOLVING THIS MATERIAL, WATER FOG, CARBON DIOXIDE, FOAM OR DRY CHEMICAL MAY BE USED. USE EXTINGUISHING MEDIA APPROPRIATE FOR THE SURROUNTING FIRE
FLASH POINT (METHOD): NONE
SENSITIVITY TO SHOCK: NONE
UPPER FLAMMABLE LIMIT %: N/AP
LOWER FLAMMABLE LIMIT : N/AP
AUTO IGNITION TEMPERATURE: N/AP
HAZARDOUS COMBUSTION PRODUCTS: PRODUCT MAY DECOMPOSE TO RELEASE TOXIC PRODUCTS AT HIGH TEMPERATURES

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REACTIVITY DATA

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STABILITY: STABLE
INCOMPATIBLE MATERIALS: STRONG ACIDS, GLASS
CONDITIONS OF REACTIVITY: NONE
HAZARDOUS DECOMPOSITION PRODUCTS: MAY RELEASE TOXIC FUMES OF HYDROGEN FLUORIDE GAS AND SODIUM OXIDE.

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TOXICOLOGICAL PROPERTIES

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*****ACUTE EFFECTS*****

INHALATION: MAY CAUSE NAUSEA, VOMITING, DIFFICULT BREATHING AND SEVERE IRRITATION OF THE RESPIRATORY SYSTEM. HIGH LEVELS OF EXPOSURE CAN LEAD TO CHRONIC POISONING. SEVERS EXPOSURE CAN LEAD TO MUSCULAR WEAKNESS, TREMOURS, CONVUSIONS, COLLAPSE, RESPIRATORY AND CARDIAC FAILURE AND DEATH.
SKIN CONTACT: MAY CAUSE IRRITATION IF NOT TREATED PROMPTLY
EYE CONTACT: SEVERE IRRITATION OF THE EYE.
INGESTION: **PRODUCT IS HARMFUL AND MAY BE FATAL.** IRRITATION OF THE GASTROINTESTINAL TRACT. NAUSEA MAY ALSO OCCUR. MAY ALSO CAUSE FLUORIDE POISONING.

CHRONIC EFFECTS

CARCINOGENICITY: NONE
REPRODUCTIVE TOXICITY: NONE
SENSITIZATION: N/AV
TOXICOLOGICALLY SYNERGISTIC PRODUCTS: NONE

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FIRST AID

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INHALATION: REMOVE VICTIM TO FRESH AIR.
SKIN CONTACT: REMOVING CONTAMINATED CLOTHING. WASH AFFECTED AREA WITH SOAP AND WATER, RINSE OFF WITHWARM WATER FOR AT LEAST 15 MINUTES. CONTACT A PHYSICIAN IMMEDIATELY.
EYE CONTACT: FLUSH WITH PLENTY OF WARM WATER FOR AT LEAST 20 MINUTES KEPING EYELIDS APART .CONTACT A PHYSICIAN IMMEDIATELY.
INGESTION: GIVE 2 GLASSES OF WATER AND INDUCE VOMITING. CONTACT A PHYSICIAN IMMEDIATELY. NEVER GIVE FLUIDS OR INDUCE VOMITING TO AN UNCONSIOUS VICTIM. PLACE VICTIM IN A STABLE SIDE POSITION AND KEEP WARM.

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PREVENTATIVE MEASURES

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SPILL, LEAK OR RELEASE: WEAR NECESSARY PROTECTIVE CLOTHING AND EQUIPMENT. A SELF-CONTAINED BREATHING APPARATUS IN THE PRESSURE DEMAND MODE OR A SUPPLIED AIR RESPIRATOR MUST BE WORN. FOR SMALL SPILLS A FULL FACEPIECE AIR PURIFYING CARTRAGE RESPIRATOR FITTED WITH PARTICULATE FILTERS MAY BE SATISFACTORY.SWEEP UP WHILE AVOIDING DUST GENERATION. PLACE IN A PROPERLY LABELED WASTE CONTAINER FOR LATER DISPOSAL. KEEP OUT OF SEWERS, STORM DRAINS. SURFACE WATERS AND SOIL.
WASTE DISPOSAL: CONTACT LOCAL, PROVINCIAL AND FEDERAL AUTHORITIES.

PROTECTIVE EQUIPMENT

RESPIRATORY EQUIPMENT: WEAR NIOSH/MSHA APPROVED CHEMICAL FILTER RESPIRATOR IF EXPOSED TO DUST PARTICLES DURING PRODUCT APPLICATION OR IF OCCUPATIONAL EXPOSURE LIMITS (TLV) ARE EXCEEDED.
VENTILATION: MECHANICAL EXHAUST
PROTECTIVE GLOVES: NITRILE OR NEOPRENE GLOVES.
EYE PROTECTION: SAFETY GLASSES
OTHER PROTECTIVE EQUIPMENT: USE PROTECTIVE BARRIER SKIN CREAM IF CONTACT IS LIKELY.

STORAGE AND HANDLING PROCEDURES

HANDLING PROCEDURES AND EQUIPMENT: HANDLE ACCORDING TO SAFE PRACTICES. AVOID EYE AND SKIN CONTACT. AVOID INHALATION OF DUST OR VAPOURS. DO NOT PUNCTUE DRAG OR SLIDE CONTAINERS. WASH HANDS BEFORE EATING.
STORAGE PROCEDURES: STORE IN A COOL DRY AREA AWAY FROM ACIDS
SPECIAL SHIPPING INFORMATION:

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PREPARATION INFORMATION

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PREPARED BY: R. TREMBLAY
TELEPHONE NUMBER: 416-842-8300
PREPARATION DATE: JULY 8,1992

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ADDITIONAL NOTES AND REFERENCES:

ABBREVIATIONS:

N/AV: NOT AVAILABLE
N/AP: NOT APPLICABLE

ACGIH: AMERICAN CONFERENCE OF GOVERNMENT INDUSTRIAL HYGIENISTS
TLV: THRESHOLD LIMIT VALUE
NIOSH: NATIONAL INSTITUTE OF OCCUPATIONAL HEALTH AND SAFETY
TDG: TRANSPORTATION OF DANGEROUS GOODS

REFERENCES:

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