

**MATERIAL SAFETY
DATA SHEET**

HIGHSIDE CHEMICALS, INC.
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ICE MAX

THIS MSDS COMPLIES WITH 29 CFR 1900.1200

SECTION 1 - IDENTITY/EMERGENCY INFORMATION

PRODUCT NAME: ICE MAX PRODUCT CODES: 50004
CHEMICAL NAME: MIXTURE, POWDER
CHEMICAL FORMULA: MIXTURE

IN CASE OF AN EMERGENCY CALL 1-800-255-3924

SECTION 2 - INGREDIENTS

COMPONENTS	CAS NO.	PEL/TLV - SOURCE
SULPHAMIC ACID	5329-14-6	NOT ESTABLISHED
CITRIC ACID	77-92-9	TWA TOTAL 15mg/m ³ OSHA TVL 10 mg/m ³ ACGIH

ALL COMPONENTS OF THIS PRODUCT ARE LISTED ON THE U.S. TSCA INVENTORY.

SECTION 3 - PHYSICAL DATA

BOILING POINT: NOT APPLICABLE

VAPOR PRESSURE (mmHg): NO DATA AVAILABLE

VAPOR DENSITY (AIR > 1): NO DATA AVAILABLE

SPECIFIC GRAVITY (H₂O = 1): GREATER THAN 1

SOLUBILITY IN WATER: SOLUBLE

APPEARANCE: WHITE POWDER WITH POSSIBILITY OF BROWNISH PARTICLES.

ODOR: NONE

EVAPORATION RATE (n-Butyl Acetate = 1): NOT APPLICABLE

% VOLATILE (BY WEIGHT): LESS THAN 1

PH: APPROX. 1 (4.4 OZ IN 1 GAL WATER)

SECTION 4 - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (METHOD USED): NOT APPLICABLE

AUTOIGNITION TEMPERATURE: NOT APPLICABLE

EXPLOSIVE LIMITS: LOWER: NOT DETERMINED UPPER: NOT DETERMINED

EXTINGUISHING MEDIA: WATER FOG, FOAM, CARBON DIOXIDE, OR DRY CHEMICAL

SPECIAL FIRE FIGHTING PROCEDURES: WEAR SELF-CONTAINED BREATHING APPARATUS WITH A FULL FACE PIECE AND IMPERVIOUS PROTECTIVE CLOTHING. PREVENT HUMAN EXPOSURE TO FIRE, FUMES SMOKE AND COMBUSTION PRODUCTS.

UNUSUAL FIRE AND EXPLOSION HAZARDS: DURING CONSUMPTION BY FIRE, VAPOR MAY TRAVEL TO IGNITION SOURCE AND FLASH BACK.

HAZARD RATING: HEALTH - 2 FLAMMABILITY - 0 REACTIVITY - 1

SECTION 5 - REACTIVITY DATA

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR

STABILITY: STABLE

SECTION 6 - HEALTH HAZARD DATA

CARCINOGENICITY: NO CONSTITUENT OF THIS PRODUCT IS LISTED BY OSHA, NTP, OR IARC.

PRIMARY ROUTE(S) OF ENTRY: INHALATION, INGESTION, EYE, SKIN CONTACT.

POTENTIAL EFFECTS OF EXPOSURE:

EYES: CORROSIVE-MAY CAUSE IRRITATION, PAIN, TEARS, EYE DAMAGE, BLINDNESS.

SKIN CONTACT: CORROSIVE – MAY CAUSE SEVERE IRRITATION, PAIN, SKIN DAMAGE.

INHALATION: CORROSIVE – MAY CAUSE IRRITATION, COUGHING, CHOKING, HEADACHE, DIZZINESS, WEAKNESS, BREATHING DIFFICULTY, FLUID RETENTION, TISSUE DISCOLORATION, EFFECTS MAY BE DELAYED.

INGESTION: CORROSIVE - MAY CAUSE IRRITATION, PAIN, SEVERE BURNS, VOMITTING, DIARRHEA, TISSUE PERFORATION.

FIRST AID PROCEDURES:

EYE CONTACT: IMMEDIATELY FLUSH WHILE HOLDING EYES OPEN WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES. CALL A PHYSICIAN.

SKIN CONTACT: IMMEDIATELY FLUSH WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES. REMOVE CONTAMINATED CLOTHING. THOROUGHLY WASH CLOTHING AND SHOES BEFORE REUSE. CALL A PHYSICIAN.

INGESTION: DO NOT INDUCE VOMITING. RINSE MOUTH WITH WATER. DILUTE STOMACH CONTENTS BY DRINKING WATER. IF VOMITING OCCURS, KEEP HEAD BELOW HIPS. CALL A PHYSICIAN IMMEDIATELY.

INHALATION: REMOVE INDIVIDUAL TO FRESH AIR. IF BREATHING IS DIFFICULT, ADMINISTER OXYGEN. IF BREATHING HAS STOPPED GIVE ARTIFICIAL RESPIRATION. CALL A PHYSICIAN. MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: ASTHMA, LUNG DISEASES, SKIN DISEASES

SECTION 7 - SPECIAL PROTECTION

RESPIRATORY PROTECTION: USE A NIOSH/MSHA CERTIFIED DUST RESPIRATOR WHERE DUST OCCURS.

EYE PROTECTION: CHEMICAL GOGGLES ,FACE SHIELD.

VENTILATION: PROVIDE SUFFICIENT MECHANICAL (GENERAL AND/OR LOCAL EXHAUST) VENTILATION TO MINIMIZE EXPOSURE.

PROTECTIVE GLOVES: ACID PROOF GLOVES, IMPERVIOUS CLOTHING, RUBBER BOOTS.

OTHER PROTECTIVE EQUIPMENT: WASHING FACILITIES SHOULD BE READILY AVAILABLE.

SECTION 8 - ENVIRONMENTAL INFORMATION

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

WEAR PROTECTIVE EQUIPMENT. RECOVER FREE PRODUCT, SPILL SHOULD BE PLACED IN SUITABLE CONTAINERS FOR DISPOSAL. RESIDUAL ACIDITY MAY BE NEUTRALIZED WITH HYDRATED LIME, SODA ASH, SODIUM BICARBONATE.

WASTE DISPOSAL METHOD:

SMALL AND LARGE SPILL: DISPOSE OF IN ACCORDANCE WITH ALL LOCAL, STATE AND FEDERAL REGULATIONS.

THE FOLLOWING INFORMATION MAY BE USEFUL IN COMPLYING WITH VARIOUS STATE AND FEDERAL LAWS AND REGULATIONS UNDER VARIOUS ENVIRONMENTAL STATUTES:

EPA REGULATION 40 CFR 302 (CERCLA SECTION 102):

NO REPORTABLE QUANTITY (RQ) FOR PRODUCT OR ANY CONSTITUENT GREATER THAN 1% OR 0.1% (CARCINOGEN).

EPA REGULATION 40 CFR 355 (SARA SECTION 301-302)

NO THRESHOLD PLANNING QUANTITY FOR PRODUCT OR ANY CONSTITUENT GREATER THAN 1% OR 0.1% (CARCINOGEN).

EPA REGULATION 40 CFR 370-372 (SARA SECTIONS 311-312):

NOT APPLICABLE FOR PRODUCT.

SECTION 9 - TRANSPORTATION INFORMATION

D.O.T. (49 CFR 172):

11 LB CONTAINER AND UNDER: CONSUMER COMMODITY, ORM-D
OVER 11 LB. CONTAINER: SULPHAMIC ACID, 8 , UN 2967, III

POISON CONSTITUENT: NONE

BILL OF LADING DESCRIPTION: CLEANING COMPOUND, IT 48581, CLASS 55

INTERNATIONAL (UN/NA CODE):

5 Kg CONTAINER AND UNDER: SULPHAMIC ACID, 8, UN 2967, III, LTD. QTY.

OVER 5 Kg CONTAINER: SULPHAMIC ACID, 8 , UN 2967, III

IMCO:EmS No. 8-08 CLASS 8

2 Kg CONTAINER AND UNDER: SULPHAMIC ACID, 8, UN 2967, III, LTD. QTY.

OVER 2 Kg CONTAINER: SULPHAMIC ACID, 8 , UN 2967, III

DATE PREPARED:11/1/96

DATE UPDATED: 04/03/03

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