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SAFETY DATA SHEET

SECTION 1. CHEMICAL IDENTIFICATION

CATALOG #: 32449

NAME: Brucine hydrochloride monohydrate

SYNONYMS:

24 HOUR EMERGENCY TELEPHONE: (800) 535-5053(USA)
352-323-3500 (INTERNATIONAL)

TO REQUEST AN MSDS: (800) 869-9290

CUSTOMER SERVICE: (630) 766-2112

SECTION 2. HAZARDS IDENTIFICATION

CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

GHS CLASSIFICATION IN ACCORDANCE WITH 29 CFR 1910 (OSHA HCS)

ACUTE TOXICITY, ORAL (CATEGORY 3), H301

ACUTE TOXICITY, INHALATION (CATEGORY 3), H331

EYE DAMAGE/IRRITATION (CATEGORY 2B), H320

SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (CATEGORY 2), H371

SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (CATEGORY 3), H335

AQUATIC HAZARD (ACUTE) (CATEGORY 3), H402
AQUATIC HAZARD (LONG-TERM) (CATEGORY 3), H412
FOR THE FULL TEXT OF THE H-STATEMENTS MENTIONED IN THIS SECTION, SEE
SECTION 16.

**GHS LABEL ELEMENTS, INCLUDING PRECAUTIONARY STATEMENTS
PICTOGRAM**



SIGNAL WORD DANGER

HAZARD STATEMENT(S)

| | |
|-------------|---|
| H320 | CAUSES EYE IRRITATION |
| H301 + H331 | TOXIC IF SWALLOWED OR IF INHALED |
| H402 | HARMFUL TO AQUATIC LIFE |
| H412 | HARMFUL TO AQUATIC LIFE WITH LONG LASTING EFFECTS |
| H371 | MAY CAUSE DAMAGE TO ORGANS: NERVOUS SYSTEM |
| H335 | MAY CAUSE RESPIRATORY IRRITATION |

PRECAUTIONARY STATEMENT(S)

| | |
|--------------------|--|
| P270 | DO NOT EAT, DRINK OR SMOKE WHEN USING THIS PRODUCT. |
| P264 | WASH HANDS AND FACE THOROUGHLY AFTER HANDLING. |
| P261 | AVOID BREATHING DUST/ FUME/ GAS/ MIST/ VAPOURS/ SPRAY. |
| P271 | USE ONLY OUTDOORS OR IN A WELL-VENTILATED AREA. |
| P264 | WASH SKIN THOROUGHLY AFTER HANDLING. |
| P301 + P310 + P330 | IF SWALLOWED: IMMEDIATELY CALL A POISON CENTER OR DOCTOR/PHYSICIAN. RINSE MOUTH. |
| P304 + P340 + P312 | IF INHALED: REMOVE VICTIM TO FRESH AIR AND KEEP AT REST IN A POSITION COMFORTABLE FOR BREATHING. CALL A POISON CENTER OR DOCTOR/ PHYSICIAN IF YOU FEEL UNWELL. |
| P305+351+338 | IF IN EYES: RINSE CAUTIOUSLY WITH WATER FOR SEVERAL MINUTES. REMOVE CONTACT LENSES IF PRESENT AND EASY TO DO. CONTINUE RINSING. |
| P337+313 | IF EYE IRRITATION PERSISTS: GET MEDICAL ADVICE OR ATTENTION. |
| P308+311 | IF EXPOSED OR CONCERNED: CALL A POISON CENTER OR DOCTOR. |
| P312 | CALL A POISON CENTER OR DOCTOR IF YOU FEEL UNWELL. |
| P405 | STORE LOCKED UP. |
| P403 + P233 | STORE IN A WELL-VENTILATED PLACE. KEEP CONTAINER TIGHTLY CLOSED. |
| P501 | DISPOSE OF CONTENTS/ CONTAINER TO AN APPROVED WASTE DISPOSAL PLANT. |

**HAZARDS NOT
OTHERWISE
CLASSIFIED (HNOC)
OR NOT COVERED
BY GHS**

NONE

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

MF: $C_{23}H_{26}N_2O_4 \cdot HCl \cdot H_2O$
MW: 448.94
CAS-NO. 5786-96-9
PURITY: $\geq 98\%$ (anhydrous basis)

HAZARDOUS COMPONENTS

| COMPONENT | CLASSIFICATION | CONCENTRATION |
|-----------------------------------|----------------|---------------|
| Brucine hydrochloride monohydrate | | |
| | | |

FOR THE FULL TEXT OF THE H-STATEMENTS MENTIONED IN THIS SECTION, SEE SECTION 16.

SECTION 4. FIRST-AID MEASURES

DESCRIPTION OF FIRST AID MEASURES

GENERAL ADVICE CONSULT A PHYSICIAN. SHOW THIS SAFETY DATA SHEET TO THE DOCTOR IN ATTENDANCE. MOVE OUT OF DANGEROUS AREA.

IF INHALED IMMEDIATELY CALL A POISON CENTER OR DOCTOR. EFFECTS OF EXPOSURE (INHALATION) TO SUBSTANCE MAY BE DELAYED. INHALATION OF VAPORS OR CONTACT WITH SUBSTANCE WILL RESULT IN CONTAMINATION AND POTENTIAL HARMFUL EFFECTS. MOVE VICTIM TO FRESH AIR. GIVE ARTIFICIAL RESPIRATION IF VICTIM IS NOT BREATHING. ADMINISTER OXYGEN IF BREATHING IS DIFFICULT. KEEP VICTIM WARM AND QUIET. TREAT SYMPTOMATICALLY AND SUPPORTIVELY. ENSURE THAT MEDICAL PERSONNEL ARE AWARE OF THE MATERIAL(S) INVOLVED AND TAKE PRECAUTIONS TO PROTECT THEMSELVES.

IN CASE OF SKIN CONTACT IMMEDIATELY CALL A POISON CENTER OR DOCTOR. EFFECTS OF EXPOSURE (SKIN CONTACT) TO SUBSTANCE MAY BE DELAYED. REMOVE AND WASH CONTAMINATED CLOTHING BEFORE RE-USE. IN CASE OF CONTACT WITH SUBSTANCE, IMMEDIATELY FLUSH SKIN WITH RUNNING WATER FOR AT LEAST 20

MINUTES. TREAT SYMPTOMATICALLY AND SUPPORTIVELY. ENSURE THAT MEDICAL PERSONNEL ARE AWARE OF THE MATERIAL(S) INVOLVED AND TAKE PRECAUTIONS TO PROTECT THEMSELVES.

IN CASE OF EYE CONTACT

IMMEDIATELY FLUSH EYES WITH RUNNING WATER FOR AT LEAST 15 MINUTES, KEEPING EYELIDS OPEN. CONTACT WITH MATERIAL MAY IRRITATE OR BURN EYES. CALL EMERGENCY MEDICAL SERVICE. MOVE VICTIM TO FRESH AIR. CHECK FOR AND REMOVE ANY CONTACT LENSES. KEEP VICTIM WARM AND QUIET. TREAT SYMPTOMATICALLY AND SUPPORTIVELY. EFFECTS OF EXPOSURE TO SUBSTANCE MAY BE DELAYED. ENSURE THAT MEDICAL PERSONNEL ARE AWARE OF THE MATERIAL(S) INVOLVED AND TAKE PRECAUTIONS TO PROTECT THEMSELVES.

IF SWALLOWED

TOXIC IF SWALLOWED. DO NOT INDUCE VOMITING WITH OUT MEDICAL ADVICE. EFFECTS OF EXPOSURE (INGESTION) TO SUBSTANCE MAY BE DELAYED. CALL A PHYSICIAN OR POISON CONTROL CENTER IMMEDIATELY. DO NOT USE MOUTH-TO-MOUTH METHOD IF VICTIM INGESTED THE SUBSTANCE; GIVE ARTIFICIAL RESPIRATION WITH THE AID OF A POCKET MASK EQUIPPED WITH A ONE-WAY VALVE OR OTHER PROPER RESPIRATORY MEDICAL DEVICE. LOOSEN TIGHT CLOTHING SUCH AS A COLLAR, TIE, BELT OR WAISTBAND. IF A PERSON VOMITS PLACE THEM IN THE RECOVERY POSITION SO THAT VOMIT WILL NOT REENTER THE MOUTH AND THROAT. RINSE MOUTH. KEEP VICTIM WARM AND QUIET. TREAT SYMPTOMATICALLY AND SUPPORTIVELY. ENSURE THAT MEDICAL PERSONNEL ARE AWARE OF THE MATERIAL(S) INVOLVED AND TAKE PRECAUTIONS TO PROTECT THEMSELVES.

MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED

ACUTE: REDNESS.
DELAYED: MAY HAVE EFFECTS ON THE RESPIRATORY TRACT.

INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED

WARNING: IT MIGHT BE DANGEROUS TO THE PERSON PROVIDING AID TO GIVE MOUTH-TO-MOUTH RESPIRATION, BECAUSE THE INHALED MATERIAL IS TOXIC. IF BREATHING HAS STOPPED, PERFORM ARTIFICIAL RESPIRATION. USE FIRST AID TREATMENT ACCORDING TO THE NATURE OF THE INJURY. ENSURE THAT MEDICAL PERSONNEL ARE AWARE OF THE MATERIAL(S) INVOLVED AND TAKE PRECAUTIONS TO PROTECT THEMSELVES

SECTION 5. FIRE AND EXPLOSION DATA

EXTINGUISHING MEDIA

SUITABLE EXTINGUISHING MEDIA DRY CHEMICAL, CO₂ OR WATER SPRAY. CONSULT WITH LOCAL FIRE AUTHORITIES BEFORE ATTEMPTING LARGE SCALE FIRE FIGHTING OPERATIONS.

SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE CARBON OXIDES NITROGEN OXIDES HALOGENATED COMPOUNDS

ADVICE FOR FIREFIGHTERS WEAR SELF-CONTAINED BREATHING APPARATUS FOR FIREFIGHTING IF NECESSARY.

FURTHER INFORMATION WARNING: HIGHLY TOXIC HCL GAS IS PRODUCED DURING COMBUSTION.

SECTION 6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES WEAR RESPIRATORY PROTECTION. AVOID DUST FORMATION. AVOID BREATHING VAPOURS, MIST OR GAS. ENSURE ADEQUATE VENTILATION. EVACUATE PERSONNEL TO SAFE AREAS. AVOID BREATHING DUST.

FOR PERSONAL PROTECTION SEE SECTION 8.

ENVIRONMENTAL PRECAUTIONS PREVENT FURTHER LEAKAGE OR SPILLAGE IF SAFE TO DO SO. DO NOT LET PRODUCT ENTER DRAINS.

METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP ELIMINATE ALL IGNITION SOURCES (NO SMOKING, FLARES, SPARKS, OR FLAMES IN IMMEDIATE AREA). STOP LEAK IF WITHOUT RISK. ABSORB WITH AN INERT MATERIAL AND PUT THE SPILLED MATERIAL IN AN APPROPRIATE WASTE DISPOSAL CONTAINER. USE CLEAN NON-SPARKING TOOLS TO COLLECT ABSORBED MATERIAL. DIKE FAR AHEAD OF SPILL; USE DRY SAND TO CONTAIN THE FLOW OF MATERIAL. VENTILATE THE AREA.

REFERENCE TO OTHER SECTIONS FOR DISPOSAL SEE SECTION 13.

SECTION 7. HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING AVOID INHALATION OF VAPOR OR MIST. DO NOT INGEST. AVOID CONTACT WITH SKIN AND EYES. AVOID CONTACT WITH SKIN. GOOD GENERAL VENTILATION SHOULD BE SUFFICIENT TO CONTROL AIRBORNE LEVELS. KEEP CONTAINER DRY. HANDLE AND OPEN CONTAINER WITH CARE. WEAR SUITABLE PROTECTIVE CLOTHING, GLOVES AND EYE/FACE PROTECTION. WHEN USING DO NOT EAT, DRINK, OR SMOKE. KEEP AWAY FROM SOURCES OF IGNITION.

CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES STORE LOCKED UP. KEEP CONTAINERS TIGHTLY CLOSED IN A COOL, WELL-VENTILATED PLACE. KEEP AWAY FROM INCOMPATIBLES. CONTAINERS WHICH ARE OPENED MUST BE CAREFULLY RESEALED AND KEPT UPRIGHT TO PREVENT LEAKAGE. AVOID PROLONGED STORAGE PERIODS. STORE AWAY FROM OXIDIZING AGENTS

Store at RT

SPECIFIC END USE(S) APART FROM THE USES MENTIONED IN SECTION 1.2 NO OTHER SPECIFIC USES ARE STIPULATED

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

CONTROL PARAMETERS

COMPONENTS WITH WORKPLACE CONTROL PARAMETERS

CONTAINS NO SUBSTANCES WITH OCCUPATIONAL EXPOSURE LIMIT VALUES.

EXPOSURE CONTROLS

APPROPRIATE ENGINEERING CONTROLS

GOOD GENERAL VENTILATION SHOULD BE SUFFICIENT TO CONTROL AIRBORNE LEVELS. VENTILATION IS NORMALLY REQUIRED WHEN HANDLING OR USING THIS PRODUCT. EYEWASH FOUNTAINS SHOULD BE PROVIDED IN AREAS WHERE THERE IS ANY POSSIBILITY THAT WORKERS COULD BE EXPOSED TO THE SUBSTANCE. FOLLOW SAFE INDUSTRIAL ENGINEERING/LABORATORY PRACTICES WHEN HANDLING ANY CHEMICAL.

PERSONAL PROTECTIVE EQUIPMENT

EYE/FACE PROTECTION

FACE SHIELD AND SAFETY GLASSES USE EQUIPMENT FOR EYE PROTECTION TESTED AND APPROVED UNDER APPROPRIATE GOVERNMENT STANDARDS SUCH AS NIOSH (US) OR EN 166(EU).

| | |
|--|---|
| SKIN PROTECTION | HANDLE WITH GLOVES. GLOVES MUST BE INSPECTED PRIOR TO USE. USE PROPER GLOVE REMOVAL TECHNIQUE (WITHOUT TOUCHING GLOVE'S OUTER SURFACE) TO AVOID SKIN CONTACT WITH THIS PRODUCT. DISPOSE OF CONTAMINATED GLOVES AFTER USE IN ACCORDANCE WITH APPLICABLE LAWS AND GOOD LABORATORY PRACTICES. WASH AND DRY HANDS. |
| BODY PROTECTION | COMPLETE SUIT PROTECTING AGAINST CHEMICALS, THE TYPE OF PROTECTIVE EQUIPMENT MUST BE SELECTED ACCORDING TO THE CONCENTRATION AND AMOUNT OF THE DANGEROUS SUBSTANCE AT THE SPECIFIC WORKPLACE. |
| RESPIRATORY PROTECTION | WHERE RISK ASSESSMENT SHOWS AIR-PURIFYING RESPIRATORS ARE APPROPRIATE USE A FULL-FACE PARTICLE RESPIRATOR TYPE N100 (US) OR TYPE P3 (EN 143) RESPIRATOR CARTRIDGES AS A BACKUP TO ENGINEERING CONTROLS. IF THE RESPIRATOR IS THE SOLE MEANS OF PROTECTION, USE A FULL-FACE SUPPLIED AIR RESPIRATOR. USE RESPIRATORS AND COMPONENTS TESTED AND APPROVED UNDER APPROPRIATE GOVERNMENT STANDARDS SUCH AS NIOSH (US) OR CEN (EU). |
| CONTROL OF ENVIRONMENTAL EXPOSURE | PREVENT FURTHER LEAKAGE OR SPILLAGE IF SAFE TO DO SO. DO NOT LET PRODUCT ENTER DRAINS. |

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES

| | |
|--|--|
| APPEARANCE | White to light yellow crystalline powder |
| ODOUR | NO DATA AVAILABLE |
| ODOUR THRESHOLD | NO DATA AVAILABLE |
| PH | NO DATA AVAILABLE |
| MELTING POINT/FREEZING POINT | |
| INITIAL BOILING POINT AND BOILING RANGE | |
| FLASH POINT | |
| EVAPORATION RATE | NO DATA AVAILABLE |
| FLAMMABILITY (SOLID, GAS) | NO DATA AVAILABLE |
| UPPER/LOWER FLAMMABILITY OR EXPLOSIVE LIMITS | NO DATA AVAILABLE |
| VAPOUR PRESSURE | NO DATA AVAILABLE |
| VAPOUR DENSITY | NO DATA AVAILABLE |
| RELATIVE DENSITY | |
| WATER/ALCOHOL SOLUBILITY | SOULBLE |

| | |
|--|-------------------|
| PARTITION COEFFICIENT: N- OCTANOL/WATER | NO DATA AVAILABLE |
| AUTO-IGNITION TEMPERATURE | NO DATA AVAILABLE |
| DECOMPOSITION TEMPERATURE | NO DATA AVAILABLE |
| VISCOSITY | NO DATA AVAILABLE |
| EXPLOSIVE PROPERTIES | NO DATA AVAILABLE |
| OXIDIZING PROPERTIES | NO DATA AVAILABLE |
| OTHER SAFETY INFORMATION | NO DATA AVAILABLE |

SECTION 10. STABILITY AND REACTIVITY

| | |
|---|--|
| REACTIVITY | NO DATA AVAILABLE |
| CHEMICAL STABILITY | STABLE UNDER RECOMMENDED STORAGE CONDITIONS. |
| POSSIBILITY OF HAZARDOUS REACTIONS | NO HAZARDOUS REACTIVITY HAS BEEN REPORTED. |
| CONDITIONS TO AVOID | AVOID EXCESSIVE HEAT AND LIGHT. |
| INCOMPATIBLE MATERIALS | OXIDIZING AGENTS |
| HAZARDOUS DECOMPOSITION PRODUCTS | OTHER DECOMPOSITION PRODUCTS - NO DATA AVAILABLE IN THE EVENT OF FIRE: SEE SECTION 5 |

SECTION 11. TOXICOLOGICAL INFORMATION

INFORMATION ON TOXICOLOGICAL EFFECTS

| | |
|--------------------------------------|-------------------------------|
| ACUTE TOXICITY | NO DATA AVAILABLE |
| | DERMAL: NO DATA AVAILABLE |
| | INHALATION: NO DATA AVAILABLE |
| | NO DATA AVAILABLE |
| SKIN CORROSION/IRRITATION | NO DATA AVAILABLE |

| | |
|---|---|
| SERIOUS EYE DAMAGE/EYE IRRITATION | NO DATA AVAILABLE |
| RESPIRATORY OR SKIN SENSITISATION | NO DATA AVAILABLE |
| GERM CELL MUTAGENICITY | NO DATA AVAILABLE |
| CARCINOGENICITY | |
| IARC: | NO COMPONENT OF THIS PRODUCT PRESENT AT LEVELS GREATER THAN OR EQUAL TO 0.1% IS IDENTIFIED AS PROBABLE, POSSIBLE OR CONFIRMED HUMAN CARCINOGEN BY IARC. |
| ACGIH: | NO COMPONENT OF THIS PRODUCT PRESENT AT LEVELS GREATER THAN OR EQUAL TO 0.1% IS IDENTIFIED AS A CARCINOGEN OR POTENTIAL CARCINOGEN BY ACGIH |
| NTP: | NO COMPONENT OF THIS PRODUCT PRESENT AT LEVELS GREATER THAN OR EQUAL TO 0.1% IS IDENTIFIED AS A KNOWN OR ANTICIPATED CARCINOGEN BY NTP. |
| OSHA: | NO COMPONENT OF THIS PRODUCT PRESENT AT LEVELS GREATER THAN OR EQUAL TO 0.1% IS IDENTIFIED AS A CARCINOGEN OR POTENTIAL CARCINOGEN BY OSHA. |
| REPRODUCTIVE TOXICITY | NO DATA AVAILABLE |
| SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE | INHALATION, EYE CONTACT, INGESTION, SKIN CONTACT. |
| SPECIFIC TARGET ORGAN TOXICITY - REPEATED EXPOSURE | OVEREXPOSURE MAY RESULT IN SERIOUS ILLNESS OR DEATH. EYE CONTACT MAY RESULT IN REDNESS OR PAIN. INHALATION CAUSES IRRITATION OF THE LUNGS AND RESPIRATORY SYSTEM. |
| ASPIRATION HAZARD | INHALATION CAUSES IRRITATION OF THE LUNGS AND RESPIRATORY SYSTEM. |
| ADDITIONAL INFORMATION | RTECS: NOT AVAILABLE |

SECTION 12. ECOLOGICAL INFORMATION

| | |
|-----------------|-------------------|
| TOXICITY | NO DATA AVAILABLE |
|-----------------|-------------------|

| | |
|---|--|
| PERSISTENCE AND DEGRADABILITY | NO DATA AVAILABLE |
| BIOACCUMULATIVE POTENTIAL | NO DATA AVAILABLE |
| MOBILITY IN SOIL | NO DATA AVAILABLE |
| RESULTS OF PBT AND VPVB ASSESSMENT | PBT/VPVB ASSESSMENT NOT AVAILABLE AS CHEMICAL SAFETY ASSESSMENT NOT REQUIRED/NOT CONDUCTED |
| OTHER ADVERSE EFFECTS | NO DATA AVAILABLE |

SECTION 13. DISPOSAL CONSIDERATIONS

WASTE TREATMENT METHODS

| | |
|-------------------------------|--|
| PRODUCT | OFFER SURPLUS AND NON-RECYCLABLE SOLUTIONS TO A LICENSED DISPOSAL COMPANY. CONTACT A LICENSED PROFESSIONAL WASTE DISPOSAL SERVICE TO DISPOSE OF THIS MATERIAL. DISSOLVE OR MIX THE MATERIAL WITH A COMBUSTIBLE SOLVENT AND BURN IN A CHEMICAL INCINERATOR EQUIPPED WITH AN AFTERBURNER AND SCRUBBER. |
| CONTAMINATED PACKAGING | DISPOSE OF AS UNUSED PRODUCT. DO NOT RE-USE EMPTY CONTAINERS. |

SECTION 14. TRANSPORT INFORMATION

DOT (US)

| | |
|-----------------------|--|
| PROPER SHIPPING NAME: | ALKALOIDS SALTS, SOLID, N.O.S. (Brucine hydrochloride monohydrate) |
| UN NUMBER: | 1544 |
| CLASS: | 6.1 |
| PACKING GROUP: | III |

IMDG

| | |
|-----------------------|--|
| PROPER SHIPPING NAME: | ALKALOIDS SALTS, SOLID, N.O.S. (Brucine hydrochloride monohydrate) |
| UN NUMBER: | 1544 |
| CLASS: | 6.1 |
| PACKING GROUP: | III |
| EMS-NO: | F-A, S-A |

IATA

PROPER SHIPPING NAME: ALKALOIDS SALTS, SOLID, N.O.S. (Brucine hydrochloride monohydrate)
UN NUMBER: 1544
CLASS: 6.1
PACKING GROUP: III

SECTION 15. REGULATORY INFORMATION

SARA 302 COMPONENTS SARA 302: NO CHEMICALS IN THIS MATERIAL ARE SUBJECT TO THE REPORTING REQUIREMENTS OF SARA TITLE III, SECTION 302

SARA 313 COMPONENTS SARA 313: THIS MATERIAL DOES NOT CONTAIN ANY CHEMICAL COMPONENTS WITH KNOWN CAS NUMBERS THAT EXCEED THE THRESHOLD (DE MINIMIS) REPORTING LEVELS ESTABLISHED BY SARA TITLE III, SECTION 313.

SARA 311/312 HAZARDS
ACUTE HEALTH HAZARD

MASSACHUSETTS RIGHT TO KNOW COMPONENTS
NO COMPONENTS ARE SUBJECT TO THE MASSACHUSETTS RIGHT TO KNOW ACT

PENNSYLVANIA RIGHT TO KNOW COMPONENTS

| | CAS-NO. | REVISION DATE |
|-----------------------------------|-----------|---------------|
| Brucine hydrochloride monohydrate | 5786-96-9 | |

NEW JERSEY RIGHT TO KNOW COMPONENTS

| | CAS-NO. | REVISION DATE |
|-----------------------------------|-----------|---------------|
| Brucine hydrochloride monohydrate | 5786-96-9 | |

CALIFORNIA PROP. 65 COMPONENTS

THIS PRODUCT DOES NOT CONTAIN ANY CHEMICALS KNOWN TO STATE OF CALIFORNIA TO CAUSE CANCER, BIRTH DEFECTS, OR ANY OTHER REPRODUCTIVE HARM.

TOXIC SUBSTANCE CONTROL ACT (TSCA 8B.):

THIS PRODUCT IS ON THE EPA TOXIC SUBSTANCES CONTROL ACT (TSCA) INVENTORY.

SECTION 16. OTHER INFORMATION

FULL TEXT OF H-STATEMENTS REFERRED TO UNDER SECTIONS 2 AND 3.
ACUTE TOX ACUTE TOXICITY

| | |
|-----------|---|
| H301 | TOXIC IF SWALLOWED. |
| H301+H331 | TOXIC IF SWALLOWED OR IF INHALED |
| H331 | TOXIC IF INHALED |
| H320 | CAUSES EYE IRRITATION |
| H402 | HARMFUL TO AQUATIC LIFE |
| H412 | HARMFUL TO AQUATIC LIFE WITH LONG LASTING EFFECTS |
| H371 | MAY CAUSE DAMAGE TO ORGANS: NERVOUS SYSTEM |
| H335 | MAY CAUSE RESPIRATORY IRRITATION |

HMIS RATING

| | |
|------------------------|---|
| HEALTH HAZARD: | 3 |
| CHRONIC HEALTH HAZARD: | |
| FLAMMABILITY: | 0 |
| PHYSICAL HAZARD | 0 |

NFPA RATING

| | |
|--------------------|---|
| HEALTH HAZARD: | 4 |
| FIRE HAZARD: | 0 |
| REACTIVITY HAZARD: | 0 |

MSDS LEGEND

| | |
|--------|--|
| MW: | MOLECULAR WEIGHT |
| MF: | MOLECULAR FORMULA |
| VOC: | VOLATILE ORGANIC COMPOUNDS |
| ACGIH: | AMERICAN CONFERENCE OF GOVERNMENTAL INDUSTRIAL HYGINISTS |
| CAS: | CHEMICAL ABSTRACTS SERIVE REGISTRY NUMBER |
| OSHA: | OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION |
| PEL: | PERMISSIBLE EXPOSURE LIMIT (OSHA) |
| TLV: | THRESHOLD LIMIT VALUE (ACGIH) |

IMPORTANT:

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