MATERIAL SAFETY DATA SHEET

SECTION 1. - - - - - - - - CHEMICAL IDENTIFICATION - - - - - - - -

CATALOG #: M2393
NAME: MAGNESIUM CHLORIDE HEXAHYDRATE
CELL CULTURE TESTED

SECTION 2. - - - - - - COMPOSITION/INFORMATION ON INGREDIENTS - - - - - -
CAS #: 7791-18-6
MF: CL2Mg1
SYNONYM: CHLORURE DE MAGNESIUM HYDRATE (FRENCH) * CMH * MAGNESIUM DICHLORIDE HEXAHYDRATE *

SECTION 3. - - - - - - HAZARDS IDENTIFICATION - - - - - -
LABEL PRECAUTIONARY STATEMENTS
IRRITANT
IRRITATING TO EYES, RESPIRATORY SYSTEM AND SKIN.
TARGET ORGAN(S): CENTRAL NERVOUS SYSTEM
KIDNEYS
IN CASE OF CONTACT WITH EYES, RINSE IMMEDIATELY WITH PLENTY OF WATER AND SEEK MEDICAL ADVICE.
WEAR SUITABLE PROTECTIVE CLOTHING.

SECTION 4. - - - - - - FIRST-AID MEASURES - - - - - -
IN CASE OF CONTACT, IMMEDIATELY FLUSH EYES WITH COPIOUS AMOUNTS OF WATER FOR AT LEAST 15 MINUTES.
IN CASE OF CONTACT, IMMEDIATELY WASH SKIN WITH SOAP AND COPIOUS AMOUNTS OF WATER.
IF INHALED, REMOVE TO FRESH AIR. IF NOT BREATHING GIVE ARTIFICIAL RESPIRATION. IF BREATHING IS DIFFICULT, GIVE OXYGEN.
IF SWALLOWED, WASH OUT MOUTH WITH WATER. PROVIDE PERSON IS CONSCIOUS. CALL A PHYSICIAN. WASH CONTAMINATED CLOTHING BEFORE REUSE.

SECTION 5. - - - - - - FIRE FIGHTING MEASURES - - - - - -
EXTINGUISHING MEDIA
NONCONDUCTIBLE.
USE EXTINGUISHING MEDIA APPROPRIATE TO SURROUNDING FIRE CONDITIONS.

SPECIAL FIREFIGHTING PROCEDURES
WEAR SELF-CONTAINED BREATHING APPARATUS AND PROTECTIVE CLOTHING TO PREVENT CONTACT WITH SKIN AND EYES.

UNUSUAL FIRE AND EXPLOSIONS HAZARDS
CONTINUED ON NEXT PAGE
MATERIAL SAFETY DATA SHEET

CATALOG #: M2393
NAME: MAGNESIUM CHLORIDE HEXAHYDRATE
CELL CULTURE TESTED

EMITS TOXIC FUMES UNDER FIRE CONDITIONS.

SECTION 6. -- -- -- -- -- ACCIDENTAL RELEASE MEASURES -- -- -- -- --
WEAR SELF-CONTAINED BREATHING APPARATUS, RUBBER BOOTS AND HEAVY
RUBBER GLOVES.
SWEEP UP FuEL IN A BAG AND HOLD FOR SAFE DISPOSAL.
AVOID Raising DUST.
VENTILATE AREA AND WASH SPILL SITE AFTER MATERIAL PICKUP IS COMPLETE.

SECTION 7. -- -- -- -- -- HANDLING AND STORAGE -- -- -- --
REFER TO SECTION 8.

SECTION 8. -- -- -- -- EXPOSURE CONTROLS/PERSONAL PROTECTION -- -- -- --
CHEMICAL SAFETY GOGGLES.
RUBBER GLOVES.
NIOSH/MSHA-APPROVED RESPIRATOR.
SAFETY SHOES AND EYE BATH.
MECHANICAL EXHAUST REQUIRED.
DO NOT BREATHE.
DO NOT GET IN EYES, ON SKIN, ON CLOTHING.
WASH THROUGHOUT AFTER HANDLING.
IRRITANT.
KEEP TIGHTLY CLOSED.
STORE IN A COOL DRY PLACE.

SECTION 9. -- -- -- -- PHYSICAL AND CHEMICAL PROPERTIES -- -- -- --
APPEARANCE AND ODOR.
WHITE CRYSTALLINE FLAKES.

PHYSICAL PROPERTIES
SPECIFIC GRAVITY: 1.569

SECTION 10. -- -- -- -- -- STABILITY AND REACTIVITY -- -- -- -- --
INCOMPATIBILITIES
STRONG OXIDIZING AGENTS.
PROTECT FROM MOISTURE.

HAZARDOUS COMBUSTION OR DECOMPOSITION PRODUCTS
TOXIC FUMES OF:
HYDROGEN CHLORIDE GAS

SECTION 11. -- -- -- -- -- TOXICOLOGICAL INFORMATION -- -- -- --
ACUTE EFFECTS
MAY BE HARMFUL BY INHALATION, INGESTION, OR SKIN ABSORPTION.
CAUSES EYE AND SKIN IRRITATION.
CONTINUED ON NEXT PAGE
MATERIAL SAFETY DATA SHEET

CATALOG #: M2393
NAME: MAGNESIUM CHLORIDE HEXAHYDRATE
CELL CULTURE TESTED

MATERIAL IS IRRITATING TO MUCOUS MEMBRANES AND UPPER RESPIRATORY TRACT.
CAN CAUSE CNS DEPRESSION.
EXPOSURE CAN CAUSE:
STOMACH PAINS, VOMITING, DIARRHEA.
TARGET ORGAN(S): CENTRAL NERVOUS SYSTEM
KIDNEYS

RTECS #: OM2975000
MAGNESIUM CHLORIDE, HEXAHYDRATE

TOXICITY DATA
DRL-RAT LD50: 8100 MG/KG
DRL-MUS LD50: 7600 MG/KG
IP-R-MUS LD50: 775 MG/KG

TARGET ORGAN DATA
BEHAVIORAL (SOMNOLENCE)
BEHAVIORAL (CONVULSIONS OR EFFECT ON SEIZURE THRESHOLD)
BEHAVIORAL (EXCITEMENT)
BEHAVIORAL (COMA)
LUNGS, THORAX OR RESPIRATION (OTHER CHANGES)

ONLY SELECTED REGISTRY OF TOXIC EFFECTS OF CHEMICAL SUBSTANCES (RTECS) DATA IS PRESENTED HERE. SEE ACTUAL ENTRY IN RTECS FOR COMPLETE INFORMATION.

SECTION 12. DATA NOT YET AVAILABLE.

SECTION 13. DISPOSAL CONSIDERATIONS
CONTACT A LICENSED PROFESSIONAL WASTE DISPOSAL SERVICE TO DISPOSE OF THIS MATERIAL.
OBSERVE ALL FEDERAL, STATE AND LOCAL ENVIRONMENTAL REGULATIONS.

SECTION 14. TRANSPORT INFORMATION
CONTACT SIGMA CHEMICAL COMPANY FOR TRANSPORT INFORMATION.

SECTION 15. REGULATORY INFORMATION
EUROPEAN INFORMATION
CAUTION: SUBSTANCE NOT YET FULLY TESTED.
IRRITANT
IRRITATING TO EYES, RESPIRATORY SYSTEM AND SKIN.
S 26
IN CASE OF CONTACT WITH EYES, RINSE IMMEDIATELY WITH PLENTY OF WATER AND SEEK MEDICAL ADVICE.

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MATERIAL SAFETY DATA SHEET

CATALOG #: M2393
NAME: MAGNESIUM CHLORIDE HEXAHYDRATE

S 36
WEAR SUITABLE PROTECTIVE CLOTHING.

REVIEWS, STANDARDS, AND REGULATIONS

JEL = MAX
NOES 1983: HZD X5658; NIS 14; TNF 1678; NOS 32; TNE 29612; TFE 16245

SECTION 16: OTHER INFORMATION

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