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M A T E R I A L S A F E T Y D A T A S H E E T

SECTION 1. - - - - - CHEMICAL IDENTIFICATION- - - - -
 CATALOG #: 213217
 NAME: LITHIUM AMIDE, POWDER, 95%

SECTION 2. - - - - - COMPOSITION/INFORMATION ON INGREDIENTS - - - - -
 CAS #: 7782-89-0
 MF: H2LIN
 EC NO: 231-968-4

SECTION 3. - - - - - HAZARDS IDENTIFICATION - - - - -
 LABEL PRECAUTIONARY STATEMENTS
 FLAMMABLE (USA)
 HIGHLY FLAMMABLE (EU)
 CORROSIVE
 CAUSES BURNS.
 REACTS VIOLENTLY WITH WATER.
 KEEP AWAY FROM SOURCES OF IGNITION - NO SMOKING.
 IN CASE OF CONTACT WITH EYES, RINSE IMMEDIATELY WITH PLENTY OF
 WATER AND SEEK MEDICAL ADVICE.
 TAKE OFF IMMEDIATELY ALL CONTAMINATED CLOTHING.
 WEAR SUITABLE PROTECTIVE CLOTHING, GLOVES AND EYE/FACE
 PROTECTION.
 KEEP TIGHTLY CLOSED.
 HANDLE AND STORE UNDER NITROGEN.

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 PROVIDED PERSON IS CONSCIOUS.
 CALL A PHYSICIAN.
 WASH CONTAMINATED CLOTHING BEFORE REUSE.

SECTION 5. - - - - - FIRE FIGHTING MEASURES - - - - -
 EXTINGUISHING MEDIA
 USE APPROVED CLASS D EXTINGUISHERS OR SMOTHER WITH DRY SAND, DRY
 GROUND LIMESTONE OR DRY CLAY.
 DO NOT USE WATER.
 SPECIAL FIREFIGHTING PROCEDURES
 WEAR SELF-CONTAINED BREATHING APPARATUS AND PROTECTIVE CLOTHING TO
 PREVENT CONTACT WITH SKIN AND EYES.
 FLAMMABLE SOLID.
 UNUSUAL FIRE AND EXPLOSIONS HAZARDS
 THIS MATERIAL, LIKE MOST MATERIALS IN POWDER FORM, IS CAPABLE OF
 CREATING A DUST EXPLOSION.
 EMITS TOXIC FUMES UNDER FIRE CONDITIONS.

SECTION 6. - - - - - ACCIDENTAL RELEASE MEASURES- - - - -
 EVACUATE AREA.
 SHUT OFF ALL SOURCES OF IGNITION.
 WEAR SELF-CONTAINED BREATHING APPARATUS, RUBBER BOOTS AND HEAVY
 RUBBER GLOVES.
 COVER WITH DRY-LIME, SAND, OR SODA ASH. PLACE IN COVERED CONTAINERS
 USING NON-SPARKING TOOLS AND TRANSPORT OUTDOORS.
 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.
 COMPATIBLE CHEMICAL-RESISTANT GLOVES.
 NIOSH/MSHA-APPROVED RESPIRATOR.
 SAFETY SHOWER AND EYE BATH.
 USE ONLY IN A CHEMICAL FUME HOOD.
 AVOID BREATHING DUST.
 AVOID CONTACT WITH EYES, SKIN AND CLOTHING.
 AVOID PROLONGED OR REPEATED EXPOSURE.
 WASH THOROUGHLY AFTER HANDLING.
 CORROSIVE.
 KEEP TIGHTLY CLOSED.
 KEEP AWAY FROM HEAT, SPARKS, AND OPEN FLAME.
 HANDLE AND STORE UNDER NITROGEN.
 STORE IN A COOL DRY PLACE.

SECTION 9. - - - - - PHYSICAL AND CHEMICAL PROPERTIES - - - - -

APPEARANCE AND ODOR
 WHITE TO OFF-WHITE POWDER
 PHYSICAL PROPERTIES

SPECIFIC GRAVITY: 1.178

SECTION 10. - - - - - STABILITY AND REACTIVITY - - - - -

INCOMPATIBILITIES
 STRONG OXIDIZING AGENTS
 AVOID CONTACT WITH ACID.
 REACTS VIOLENTLY WITH WATER.
 ALCOHOLS

HAZARDOUS COMBUSTION OR DECOMPOSITION PRODUCTS

AMMONIA

SECTION 11. - - - - - TOXICOLOGICAL INFORMATION - - - - -

ACUTE EFFECTS

HARMFUL IF SWALLOWED, INHALED, OR ABSORBED THROUGH SKIN.
 MATERIAL IS EXTREMELY DESTRUCTIVE TO TISSUE OF THE MUCOUS MEMBRANES
 AND UPPER RESPIRATORY TRACT, EYES AND SKIN.
 INHALATION MAY RESULT IN SPASM, INFLAMMATION AND EDEMA OF THE
 LARYNX AND BRONCHI, CHEMICAL PNEUMONITIS AND PULMONARY EDEMA.
 SYMPTOMS OF EXPOSURE MAY INCLUDE BURNING SENSATION, COUGHING,
 WHEEZING, LARYNGITIS, SHORTNESS OF BREATH, HEADACHE, NAUSEA AND
 VOMITING.

TO THE BEST OF OUR KNOWLEDGE, THE CHEMICAL, PHYSICAL, AND
 TOXICOLOGICAL PROPERTIES HAVE NOT BEEN THOROUGHLY INVESTIGATED.

SECTION 12. - - - - - ECOLOGICAL INFORMATION - - - - -

DATA NOT YET AVAILABLE.

SECTION 13. - - - - - DISPOSAL CONSIDERATIONS - - - - -

UNDER AN INERT ATMOSPHERE, CAUTIOUSLY ADD THE MATERIAL TO DRY BUTANOL
 IN AN APPROPRIATE SOLVENT. THE CHEMICAL REACTION MAY BE VIGOROUS
 AND/OR EXOTHERMIC. PROVISIONS MUST BE MADE FOR THE VENTING OF LARGE
 VOLUMES OF HIGHLY FLAMMABLE HYDROGEN AND/OR HYDROCARBON GASES.
 NEUTRALIZE THE SOLUTION WITH AQUEOUS ACID. FILTER OFF ANY SOLID RES-
 IDUES FOR DISPOSAL AS HAZARDOUS WASTE. BURN THE LIQUID PORTION IN A
 CHEMICAL INCINERATOR EQUIPPED WITH AN AFTERBURNER AND SCRUBBER.
 OBSERVE ALL FEDERAL, STATE AND LOCAL ENVIRONMENTAL REGULATIONS.

SECTION 14. - - - - - TRANSPORT INFORMATION - - - - -

CONTACT ALDRICH CHEMICAL COMPANY FOR TRANSPORTATION INFORMATION.

SECTION 15. - - - - - REGULATORY INFORMATION - - - - -

EUROPEAN INFORMATION

HIGHLY FLAMMABLE

CORROSIVE

R 1

HIGHLY FLAMMABLE

R 34

CAUSES BURNS.

R 14

REACTS VIOLENTLY WITH WATER.

S 16

KEEP AWAY FROM SOURCES OF IGNITION - NO SMOKING.

S 26

IN CASE OF CONTACT WITH EYES, RINSE IMMEDIATELY WITH PLENTY OF WATER AND SEEK MEDICAL ADVICE.

S 27

TAKE OFF IMMEDIATELY ALL CONTAMINATED CLOTHING.

S 36/37/39

WEAR SUITABLE PROTECTIVE CLOTHING, GLOVES AND EYE/FACE PROTECTION.

SECTION 16. - - - - - OTHER INFORMATION- - - - -

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