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

THIS MSDS IS FOR A COMPONENT OF CATALOG #: LAA-21

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

CATALOG #: C8755
NAME: L-CYSTINE SIGMA GRADE CRYSTALLINE

SECTION 2. - - - - - COMPOSITION/INFORMATION ON INGREDIENTS - - - - - - -

CAS #: 56-82-3
MF: C6H12N2O4S2
EC NO: 200-296-3

SYNONYMS
Cystine disulfide * Cystin * Cystine * (—)-Cystine * L-Cystine (9CI)
* Cystine Acid * Dicysteine * Beta, Beta’, Beta”-Dithiodialanine * Oxidized L-
Cysteine *

SECTION 3. - - - - - - - - - - HAZARDS IDENTIFICATION - - - - - - - - - - -

DATA NOT AVAILABLE

SECTION 4. - - - - - - - - - - FIRST-AID MEASURES - - - - - - - - - - - - -

IF SWALLOWED, WASH OUT MOUTH WITH WATER PROVIDED PERSON IS CONSCIOUS.
CALL A PHYSICIAN.
IN CASE OF SKIN CONTACT, FLUSH WITHcopious AMOUNTS OF WATER
FOR AT LEAST 15 MINUTES. REMOVE CONTAMINATED CLOTHING AND
SHOES. CALL A PHYSICIAN.
IF INHALED, REMOVE TO FRESH AIR. IF BREATHING BECOMES DIFFICULT,
CALL A PHYSICIAN.
IN CASE OF CONTACT WITH EYES, FLUSH WITH copious AMOUNTS OF WATER
FOR AT LEAST 15 MINUTES. ASSURE ADEQUATE FLUSHING BY SEPARATING
THE EYELIDS WITH FINGERS. CALL A PHYSICIAN.

SECTION 5. - - - - - - - - - - FIRE FIGHTING MEASURES - - - - - - - - - - -

EXTINGUISHING MEDIA
WATER SPRAY. CARBON DIOXIDE, DRY CHEMICAL POWDER OR APPROPRIATE FOAM.

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

SECTION 6. - - - - - - - - - - ACCIDENTAL RELEASE MEASURES - - - - - - - -

WEAR PROTECTIVE EQUIPMENT. SWEET UP, PLACE IN A BAG AND HOLD FOR WASTE DISPOSAL.
AVOID RAISING DUST.

CONTINUED ON NEXT PAGE
THIS MSDS IS FOR A COMPONENT OF CATALOG #: LAA-21

CATALOG #: C3755
NAME: L-Cystine Sigma Grade Crystalline

VENTILATE AREA AND WASH SPILL SITE AFTER MATERIAL PICKUP IS COMPLETE.

SECTION 7. - - - - - - - - - - - - HANDLING AND STORAGE - - - - - - - - - - - -

REFER TO SECTION 3.

SECTION 8. - - - - - EXPOSURE CONTROLS/PERSONAL PROTECTION - - - - - -
WEAR APPROPRIATE NIOSH/MSHA-APPROVED RESPIRATOR, CHEMICAL-RESISTANT GLOVES, SAFETY GOGGLES, OTHER PROTECTIVE CLOTHING.
MECHANICAL EXHAUST.
STORE IN A COOL DRY PLACE.

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

APPEARANCE AND ODOR: WHITE POWDER

PHYSICAL PROPERTIES:
MELTING POINT: >240 C (DEC)

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

STABILITY: STABLE.

HAZARDOUS COMBUSTION OR DECOMPOSITION PRODUCTS:
TOXIC FUMES OF:
CARBON MONOXIDE, CARBON DIOXIDE
NITROGEN OXIDES
SULFUR OXIDES

HAZARDOUS POLYMERIZATION WILL NOT OCCUR.

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

ACUTE EFFECTS:
MAY BE HARMFUL BY INHALATION, INGESTION, OR SKIN ABSORPTION.
MAY CAUSE IRRITATION.
THE TOXICOLOGICAL PROPERTIES HAVE NOT BEEN THOROUGHLY INVESTIGATED.

RECS #: H269; 90000

CYSTINE, L-

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

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

DATA NOT YET AVAILABLE.

CONTINUED ON NEXT PAGE
Material Safety Data Sheet

Catalog #: C8755
Name: L-Cystine Sigma Grade Crystalline

Section 13. Disposal Considerations
- Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber. Observe all federal, state and local environmental regulations.

Section 14. Transport Information
- Contact Sigma Chemical Company for transportation information.

Section 15. Regulatory Information

Reviews, Standards, and Regulations

DELMAX

NIMH 1974: H72 83294; MHS 2; TIF 129; NOS 5; TME 6186
NOES 1983: H2B 83292; H2O; MHS 5; TIF 692; MHS 17; TME 15248; TFE 13345

EPA TSCA Section 8(b) Chemical Inventory

Section 16. Other Information

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. Sigma shall not be held liable for any damage resulting from handling or from contact with the above product. See reverse side of invoice or packing slip for additional terms and conditions of sale.

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