View NSN Online: https://aerobasegroup.com/nsn/6810-01-373-3540 SIGMA CHEMICAL CO -- N-ACETYL-L-CYSTEINE SIGMA GRADE, A7250 -- 6810-01-373-3540 ============= Product Identification =============== Product ID:N-ACETYL-L-CYSTEINE SIGMA GRADE, A7250 MSDS Date:01/01/1999 FSC:6810 NIIN:01-373-3540 Status Code:A MSDS Number: CJQPM === Responsible Party === Company Name: SIGMA CHEMICAL CO Box:14508 City:ST LOUIS State:MO ZIP:63178 Country:US Info Phone Num:314-771-5765 **Emergency Phone** Num:314-771-5765

CAGE:21076

=== Contractor Identification ===

Company Name: SIGMA CHEMICAL COMPANY

Address:3050 SPRUCE ST

Box:14508 City:ST LOUIS State:MO ZIP:63178 Country:US

Phone:314-771-5765

CAGE:21076

======= Composition/Information on Ingredients ========

Ingred Name:N-ACETYL-L-CYSTEINE. LD50:(ORAL,RAT) 5050 MG/KG. CAS:616-91-1 RTECS #:HA1660000

LD50 LC50 Mixture: SEE INGREDIENTS & TOX INFORMATION. Routes

Health Hazards Acute and Chronic:ACUTE: MAY BE HARMFUL BY INHALATION, INGESTION OR SKIN ABSORPTION. EXPOSURE CAN CAUSE BRONCHOSPASM, NAUSEA, VOMITING, STOMATITIS, AND NASAL DISCHARGE. TARGET ORGAN DATA: GASTROINTESTINAL (OTHER CHANGE S). Effects of Overexposure:SEE HEALTH HAZARDS.
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First Aid:INGESTION: WASH OUT MO UTH WITH WATER PROVIDED PERSON IS CONSCIOUS. CALL MD. SKIN: FLUSH WITH COPIOUS AMOUNTS OF WATER FOR AT LEAST 15 MINUTES. REMOVE CONTAMINATED CLOTHING AND SHOES. CALL MD. INHALATI ON: REMOVE TO FRESH AIR. IF BREATHING BECOMES DIFFICULT, CALL MD. EYES: FLUSH WITH COPIOUS AMOUNTS OF WATER FOR AT LEAST 15 MINUTES. ASSURE ADEQUATE FLUSHING BY SEPARATING EYELIDS WITH FINGERS. CALL M D.
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Extinguishing Media:WA TER SPRAY, CARBON DIOXIDE, DRY CHEMICAL POWDER OR APPROPRIATE FOAM. Fire Fighting Procedures:USE NIOSH APPROVED SCBA AND FULL PROTECTIVE EQUIPMENT. Unusual Fire/Explosion Hazard:EMITS TOXIC FUMES UNDER FIRE CONDITIONS.
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Spill Release Procedures:WEAR PROTECTIVE EQUIPMENT. SWEEP UP, PLACE IN A BAG AND HOLD FOR WASTE DISPOSAL. AVOID RAISING DUST. VENTILATE AREA AND WASH SPILL SITE AFTER MATERIAL PICKUP IS COMPLETE.
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Handling and Storage Precautions:CAUTION: AVOID CONTACT AND INHALATION.
====== Exposure Controls/Personal Protection ========
Respiratory Protection:WEAR APPROPRIATE NIOSH APPROVED RESPIRATOR. Ventilation:MECHANICAL EXHAUST REQUIRED. Protective Gloves:CHEMICAL-RESISTANT GLOVES. Eye Protection:ANSI APPROVED CHEMICAL WORKERS GOGGLES. Other Protective Equipment:ANSI APPROVED EYE WASH & DELUGE SHOWER. WEAR

of Entry: Inhalation:YES Skin:YES Ingestion:YES Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

========== Physical/Chemical Properties ===========
Melt/Freeze Pt:>109.C, 228.2F M.P/F.P Text:109-111C Appearance and Odor:WHITE CRYSTALS.
========= Stability and Reactivity Data ==========
Stability Indicator/Materials to Avoid:YES HEAVY METALS, HEAVY METAL SALTS, RUBBER, OXYGEN, OXIDIZING AGENTS. Hazardous Decomposition Products:TOXIC FUMES OF: CARBON MONOXIDE, CARBON DIOXIDE, NITROGEN OXIDES, SULFUR OXIDES. Conditions to Avoid Polymerization:WILL NOT OCCUR.
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Toxicological Information:TOX DATA: LD50:(ORAL,RAT) 5050 MG/KG - TXAPA9 18,185,1971. LD50:(IVN,RAT) 1140 MG/KG - EJRDD2 61 (SUPPL 111),45,1980. LD50:(ORAL,MUS) 4400 MG/KG - EPXXDW #0192191. LD50:(IPR,MUS) 400 MG/KG - NTIS** AD 691-490. LD50:(IVN,MUS) 3800 MG/KG - JMCMAR 10,1172,1967. LD50:(ORAL,DOG) >1 GM/KG - PBPSDY 2,479,1979. LD50:(IPR,DOG) 700 MG/KG - PBPSDY 2,479,1979. LD50:(IVN,DOG) 700 MG/KG - PBPSDY 2,479,1979. ONLY SELECTED REGISTRY OF TOXIC EFFECTS OF CHEMICAL SUBSTANCES (RTECS) DATA IS PRESENTED HERE. SEE ACTUAL ENTRY IN RTECS FOR COMPLETE INFORMATION
=========== Ecological Information ==============
Ecological:DATA NOT YET AVAILABLE.
======== Disposal Considerations ============
Waste Disposal Methods: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. ===================================
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Transport Information:CONTACT SIGMA CHEMICAL COMPANY FOR TRANSPORTATION INFORMATION.
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Federal Regulatory Information:REVIEWS, STANDARDS AND REGULATIONS: OEL=MAK. NOHS 1974: HZD 81688; NIS 1; TNF 616; NOS 6

OTHER PROTECTIVE CLOTHING. Supplemental Safety and Health

; TNE 4525. NOES 1983: HZD 81688; NIS 1; TNF 1677; NOS 14; TNE 31203; TFE 21201. EPA TSCA SECTION 8(B) CHEMICAL INVENTORY.

============ Other Information ==============================

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