SIGMA CHEMICAL CO -- L-A-HYDROXYGLUTARIC ACID DISODIUM, H8253 -- 6550-00N092581

========================== Product Identification ===========================

Product ID: L-A-HYDROXYGLUTARIC ACID DISODIUM, H8253
MSDS Date: 01/01/1999
FSC: 6550
NIIN: 00N092581
Status Code: A
MSDS Number: CJTLB

=== 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: L-A-HYDROXYGLUTARIC ACID DISODIUM
CAS: 63512-50-5
= Wt: 100.

========================== Hazards Identification ===========================

Routes of Entry: Inhalation: YES  Skin: YES  Ingestion: YES
Reports of Carcinogenicity: NTP: NO  IARC: NO  OSHA: NO
Health Hazards Acute and Chronic: ACUTE: MAY BE HARMFUL BY INHALATION, INGESTION, OR SKIN ABSORPTION. MAY CAUSE IRRITATION.
Effects of Overexposure: SEE HEALTH HAZARDS.

========================== First Aid Measures ===========================

First Aid: INGESTION; WASH OUT MOUTH WITH WATER PROVIDED PERSON IS
CONSCIOUS. CALL A PHYSICIAN. SKIN: FLUSH WITH COPIOUS AMOUNTS OF
WATER FOR AT LEAST 15 MINUTES. REMOVE CONTAMINATED CLOTHING AND
SHOES. CALL A PHYSICIAN. INHALATION: REMOVE TO FRESH AIR. IF
BREATHING BECOMES DIFFICULT, CALL A PHYSICIAN. EYES: FLUSH WITH
COPIOUS AMOUNTS OF WATER FOR AT LEAST 15 MINUTES. ASSURE ADEQUATE
FLUSHING BY SEPARATING THE EYELIDS WITH FINGERS. CALL A PHYSICIAN.

========================== Fire Fighting Measures ===========================

Extinguishing Media: WATER SPRAY, CARBON DIOXIDE, DRY CHEMICAL POWDER OR
APPROPRIATE FOAM.
Fire Fighting Procedures: USE NIOSH APPROVED SCBA & FULL PROTECTIVE
EQUIPMENT.
Unusual Fire/Explosion Hazard: EMITS TOXIC FUMES UNDER FIRE CONDITIONS.

========================== Accidental Release Measures ===========================

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.

========================== 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 AND DELUGE SHOWER.
OTHER PROTECTIVE CLOTHING.

Supplemental Safety and Health

============= Physical/Chemical Properties =============

Appearance and Odor: SOLID.

============ Stability and Reactivity Data ============

Stability Indicator/Materials to Avoid: YES
Hazardous Decomposition Products: CARBON MONOXIDE, CARBON DIOXIDE.
Conditions to Avoid Polymerization: WILL NOT OCCUR.

========== Toxicological Information ===========

Toxicological Information: THE TOXICOLOGICAL PROPERTIES HAVE NOT BEEN
THOROUGHLY INVESTIGATED.

============= 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
AFTERTURNER AND SCRUBBER. OBSERVE ALL FEDERAL, STATE AND LOCAL
ENVIRONMENTAL REGULATIONS.

=============== MSDS Transport Information =========

Transport Information: CONTACT SIGMA CHEMICAL COMPANY FOR TRANSPORTATION
INFORMATION.

============== Regulatory Information ==============

Federal Regulatory Information: EUROPEAN INFORMATION: CAUTION: SUBSTANCE
NOT YET FULLY TESTED.

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

Disclaimer (provided with this information by the compiling agencies):
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particular situation.