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

PRODUCT #: 50640
NAME: 5-SULFSALICYLIC ACID DIHYDRATE
ACS REAGENT

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

CAS #: 5965-83-3
MF: C7H6O6S1
SYNONYMS:
3-CARBOXY-4-HYDROXYBENZENESULFONIC ACID * 2-HYDROXYBENZOIC-5-SULFONIC ACID * SALICYLSULFONIC ACID * SULFSALICYLIC ACID * 5-SULFSALICYLIC ACID *

SECTION 3. -- -- -- -- -- HAZARDOUS IDENTIFICATION -- -- -- -- --

LABEL PRECAUTIONARY STATEMENTS:
IRRITANT
IRRITATING TO EYES, RESPIRATORY SYSTEM AND SKIN.
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 PROVIDED PERSON IS CONSCIOUS.
CALL A PHYSICIAN.
WASH CONTAMINATED CLOTHING BEFORE REUSE.

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

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

SPECIAL FIRE FIGHTING PROCEDURES
WEAR SELF-CONTAINED BreATHING APPARATUS AND PROTECTIVE CLOTHING TO PREVENT CONTACT WITH SKIN AND EYES.

CONTINUED ON NEXT PAGE
PRODUCT #: S0640  NAME: 5-SULFOSALICYLIC ACID DIHYDRATE
MF: C7H6O6S1  ACS REAGENT

UNUSUAL FIRE AND EXPLOSIONS HAZARDS
EMITS TOXIC FUMES UNDER FIRE CONDITIONS.

SECTION 6. Accident Release Measures
WEAR SELF-CONTAINED BREATHING APPARATUS, RUBBER BOOTS AND HEAVY
RUBBER GLOVES.
COVER WITH DRY LIME OR SODA ASH, PICK UP, KEEP IN A CLOSED CONTAINER
AND HOLD FOR WASTE DISPOSAL.
VENTILATE AREA AND WASH SPILL SITE AFTER MATERIAL PICKUP IS COMPLETE.
REFER TO SECTION 7.

SECTION 8. Exposure Control/Personal Protection
CHEMICAL SAFETY GOGGLES.
NORTH/MSHA-APPROVED RESPIRATOR.
MECHANICAL EXHAUST REQUIRED.
COMPATIBLE CHEMICAL-RESISTANT GLOVES.
AVOID BREATHING DUST.
AVOID CONTACT WITH EYES, SKIN AND CLOTHING.
WASH THOROUGHLY AFTER HANDLING.
IRRITANT.
KEEP CONTAINER CLOSED.
PROTECT FROM LIGHT.
STORE IN A COOL DRY PLACE.

SECTION 9. Physical and Chemical Properties
APPEARANCE AND ODOR
WHITE CRYSTALS
MELTING POINT: 110°C

SECTION 10. Stability and Reactivity
INCOMPATIBILITIES
STRONG OXIDIZING AGENTS

CONTINUED ON NEXT PAGE
MATERIAL SAFETY DATA SHEET

PRODUCT #: S0640
MF #: C7H6O6S1

NAME: 5-SULFOSALICYLIC ACID DIHYDRATE
ACS REAGENT

MAY DISCOLOR ON EXPOSURE TO LIGHT.
STRONG ACIDS.
HAZARDOUS COMBUSTION OR DECOMPOSITION PRODUCTS.
TOXIC FUMES OF:
CARBON MONOXIDE, CARBON DIOXIDE
SULFUR OXIDES

SECTION 11. TOXICOLOGICAL INFORMATION

ACUTE EFFECTS
MAY BE HARMFUL BY INHALATION, INGESTION, OR SKIN ABSORPTION.
CAUSES EYE AND SKIN IRRITATION.
MATERIAL IS IRRITATING TO MUCOUS MEMBRANES AND UPPER
RESPIRATORY TRACT.
TO THE BEST OF OUR KNOWLEDGE, THE CHEMICAL, PHYSICAL, AND
TOXICOLOGICAL PROPERTIES HAVE NOT BEEN THOROUGHLY INVESTIGATED.

RTECS NO.: VO6500000
SALICYLIC ACID, 5-SULFO-
TOXICITY DATA
ULR-RAT LD50 = 2450 MG/KG
342IA - 230
ONLY SELECTED REGISTRY OF TOXIC EFFECTS OF CHEMICAL SUBSTANCES
(RTECS) DATA IS PRESENTED HERE. SEE ACTUAL ENTRY IN RTECS FOR
COMPLETE INFORMATION.

SECTION 12. ECOLOGICAL INFORMATION
DATA NOT YET AVAILABLE.

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

CONTINUED ON NEXT PAGE
CUST#: 2-097-94816  
PU#: UNE53917

PRODUCT #: S0640  
ME#: C7H6O6SI

NAME: 5-SULFOSALICYLIC ACID DIHYDRATE  
ACS REAGENT

REVIEWS, STANDARDS, AND REGULATIONS
NHS 1974: HZD 81215; NIS 7; TNE 2580; NIS 10; TNE 18777
NOES 1983: HZD 81215; NIS 3; TNE 1242; NIS 14; TNE 21103; TFE 16370
EPA TSCA CHEMICAL INVENTORY, JUNE 1993

SECTION 16: OTHER INFORMATION

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