**Material Safety Data Sheet**

**Product #:** 28325-8  
**CAS #:** 111-20-6  
**MF:** C10H18O4

**Synonyms:** Decanedioic Acid * 1,8-Octanedicarboxylic Acid * USAF HC-1 *

**TOXICITY HAZARDS**

**REACTS WITH:** Standards, and Regulations

**NOHS 1974:** H2O 84426; NIS 9; TNE 275; NOS 14; TNE 2129

**NOES 1983:** H2O 84426; NIS 16; TNE 1509; NOS 35; TNE 50905; TFE 2762

**EPA TSCA Chemical Inventory, June 1990**

**ONLY SELECTED REGISTRY OF TOXIC EFFECTS OF CHEMICAL SUBSTANCES (RTECS)**

**DATA IS PRESENTED HERE. SEE ACTUAL ENTRY IN RTECS FOR COMPLETE INFORMATION.**

**ACUTE EFFECTS**

MAY BE HARMFUL BY INHALATION, INGESTION, OR SKIN ABSORPTION.

MAY CAUSE EYE IRRITATION.

MAY CAUSE SKIN IRRITATION.

**FIRST AID**

CONTAMINATION OF THE EYES SHOULD BE TREATED BY IMMEDIATE AND PROLONGED IRRIGATION WITH COPious AMOUNTS OF WATER. 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.

**Physical Data**

**BOILING PT:** 273°C/50MM.  
**MELTING PT:** 135°C TO 137°C

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MATERIAL SAFETY DATA SHEET

PRODUCT #: 23325-8
CAS #: 111-20-6
MF: C10H18O4

NAME: SEBACIC ACID, 99%

PHYSICAL DATA

VAPOR PRESSURE: 1 MM @ 183 C
APPEARANCE AND ODOR
WHITE POWDER

FIRE AND EXPLOSION HAZARD DATA

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

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

UNUSUAL FIRE AND EXPLOSION HAZARDS
THIS MATERIAL, LIKE MOST MATERIALS IN POWDER FORM, IS CAPABLE OF
CREATING A DUST EXPLOSION.

REACTIVITY DATA

INCOMPATIBILITIES
BASES
OXIDIZING AGENTS
REDDUCING AGENTS

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

SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED
WEAR RESPIRATOR, CHEMICAL SAFETY GOOGLES, RUBBER BOOTS AND HEAVY
RUBBER GLOVES.

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.

WASTE DISPOSAL METHOD
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 laws.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE

CHEMICAL SAFETY GOGGLES.

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MATERIAL SAFETY DATA SHEET

PRODUCT #: 23925-8
CAS #: 111-20-8
MF: C10H18O4

NAME: SEBACIC ACID, 99%

--- PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE ---

RUBBER GLOVES.
NIOSH/MSHA-APPROVED RESPIRATOR.
SAFETY SHOWER AND EYE BATH.
MECHANICAL EXHAUST REQUIRED.
AVOID CONTACT AND INHALATION.
WASH THOROUGHLY AFTER HANDLING.
KEEP CONTAINER CLOSED.
STORE IN A COOL DRY PLACE.

THE ABOVE INFORMATION IS BELIEVED TO BE CORRECT BUT DOES NOT PURPORT TO BE ALL INCLUSIVE AND SHOULD BE USED ONLY AS A GUIDE. ALDRICH 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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