

MATERIAL SAFETY DATA SHEET

Maleic Anhydride

SECTION 1 . Product and Company Identification

Product Name and Synonym: Maleic Anhydride
Product Code: M0562
Material Uses:
Manufacturer: Science Stuff
1104 Newport Ave
Austin, TX 78753
(512) 837-6020
Entry Date : 6/11/2013
Print Date: 6/11/2013
24 Hour Emergency Assistance : Chemtrec 800-424-9300
Canutec 613-996-6666

Health:	3			
Flammability:	1			
Reactivity:	2			
Hazard Rating:				
Least	Slight	Moderate	High	Extreme
0	1	2	3	4
NA=Not Applicable		NE=Not Established		

SECTION 2 HAZARD IDENTIFICATION

Causes severe irritation and burns. Harmful if swallowed. Avoid breathing vapor or dust. Use with adequate ventilation. Avoid contact with eyes, skin, and clothes. Wash thoroughly after handling. Keep container closed.

SECTION 3 MIXTURE COMPONENTS

SARA 313	Component	CAS Number	Percent Comp.	Dimension	Exposure Limits
<input checked="" type="checkbox"/>	Maleic Anhydride	CAS# 108-31-6	100%	W/W	TXDS: orl-rat LD ₅₀ : 481 mg/Kg

SECTION 4 FIRST AID MEASURES

Causes severe irritation and burns. Harmful if swallowed. Avoid breathing vapor or dust. Use with adequate ventilation. Avoid contact with eyes, skin, and clothes. Wash thoroughly after handling. Keep container closed.

FIRST AID: CALL A PHYSICIAN. SKIN: In case of contact, immediately flush skin with water for at least 15 minutes while removing contaminated clothing and shoes. Thoroughly clean clothing and shoes before reuse.

EYES: Wash eyes with plenty of water for at least 15 minutes, lifting lids occasionally. Seek Medical Aid. INHALATION: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen

INGESTION: Give several glasses of milk or water. Vomiting may occur spontaneously, but DO NOT INDUCE! Never give anything by mouth to an unconscious person.

SECTION 5 FIRE FIGHTING MEASURES

Fire Extinguisher Type: Water spray or carbon dioxide
Fire / Explosion Hazards: Capable of creating a dust explosion.
Fire Fighting Procedure: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and clothing.

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SECTION 6 ACCIDENTAL RELEASE MEASURES

Wear Protective equipment. Sweep up, place in a bag and hold for waste disposal.

SECTION 7 HANDLING AND STORAGE

Store in a cool dry place. Do not get in eyes, on skin, on clothing. Wash thoroughly after handling

SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Respiratory Protection: NIOSH/MSHA-approved respirator
Ventilation
Local Exhaust
Mechanical
Protective Gloves: Wear appropriate gloves to prevent skin exposure
Eye Protection: Safety Glasses w/
Side Shields
Other Protective Equipment: Wear appropriate clothing to prevent skin exposure

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Melting Point:	132.8° F	Percent Volatile by Volume:	N/A
Boiling Point:	392° F	Evaporation Rate	N/A
Vapor Pressure:	0.16 mm Hg @ 20° C	Evaporation Standard	Not Applicable
Vapor Density:	3.4 (air = 1)	Auto Ignition Temp	870° F
Solubility in Water:	Unsoluble	Lower Flamm. Limit in Air	1.4%
Appearance /Odors:	White crystals, no odor	Upper Flamm. Limit in Air	7.1%
Flash Point:	218° F		
Specific Gravity:	information not available		

SECTION 10 STABILITY AND REACTIVITY INFORMATION

Stability: Stable
Conditions to Avoid: May decompose with air/water exposure
Materials to Avoid: Strong oxidizers, acids, bases, alkalie metals
Hazardous Decomposition Products: Carbon oxide and Carbon dioxide
Hazardous polymerization: Will Not Occur
Conditions to Avoid: None known

SECTION 11 Toxicological Information

SECTION 12 Ecological Information

SECTION 13 Disposal Considerations

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SECTION 14 Transport Information

DOT Classification: Maleic Anhydride, 8, UN2215, PG III

DOT Regulations may change from time to time. Please consult the most recent D.O.T. regulations.

SECTION 15 Regulatory Information

SECTION 16 Additional Information

Conditions aggravated/Target organs: Persons with preexisting skin, eye, and respiratory disorders may be more susceptible. Acute: Irritation to skin, eyes, lungs, mucous membranes, and GI tract. Inflammation, burning, coughing, wheezing, laryngitis, shortness of breath, headache, nausea, vomiting, sneezing, allergic reactions in sensitive persons, and destruction of tissue. Chronic: Edems of the larynx and bronchi, chemical pneumonitis, and pulmonary Edema.

Flammability

Health

Reactivity

Revisions

NFPA

0.1

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