

MATERIAL SAFETY DATA SHEET
Potassium metabisulfite, 97%

Section 1 - Chemical Product and Company Identification

MSDS Name:	Potassium metabisulfite, 97%
Catalog Numbers:	41827-0000, 41827-0250, 41827-5000
Synonyms:	
Company Identification:	Acros Organics BVBA Janssen Pharmaceuticaaan 3a 2440 Geel, Belgium
Company Identification: (USA)	Acros Organics One Reagent Lane Fair Lawn, NJ 07410
For information in the US, call:	800-ACROS-01
For information in Europe, call:	+32 14 57 52 11
Emergency Number, Europe:	+32 14 57 52 99
Emergency Number US:	201-796-7100
CHEMTREC Phone Number, US:	800-424-9300
CHEMTREC Phone Number, Europe:	703-527-3887

Section 2 - Composition, Information on Ingredients

CAS#	Chemical Name:	%	EINECS#
16731-55-8	Potassium metabisulfite	97%	240-795-3

Hazard Symbols: XI



Risk Phrases: 31 37 41

Section 3 - Hazards Identification

EMERGENCY OVERVIEW

Contact with acids liberates toxic gas. Irritating to respiratory system. Risk of serious damage to eyes.

Potential Health Effects

- Eye:** Causes redness and pain. Causes severe burning pain and redness of the conjunctiva. Risk of serious damage to eyes.
- Skin:** May cause skin irritation. May be harmful if absorbed through the skin. May cause reddening of the skin.
- Ingestion:** May cause irritation of the digestive tract. May be harmful if swallowed.
- Inhalation:** Causes respiratory tract irritation. May be harmful if inhaled. May cause respiratory difficulty and coughing.
- Chronic:** Repeated or prolonged exposure may cause allergic reactions in sensitive individuals.

Section 4 - First Aid Measures

Eyes:	Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid.
Skin:	Get medical aid. Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes.
Ingestion:	Get medical aid. Wash mouth out with water.
Inhalation:	Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid.
Notes to Physician:	Treat symptomatically and supportively.

Section 5 - Fire Fighting Measures

General Information:	As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear.
Extinguishing Media:	Use water spray, dry chemical, carbon dioxide, or chemical foam.

Section 6 - Accidental Release Measures

General Information:	Use proper personal protective equipment as indicated in Section 8.
Spills/Leaks:	Vacuum or sweep up material and place into a suitable disposal container.

Section 7 - Handling and Storage

Handling:	Avoid breathing dust, vapor, mist, or gas. Avoid contact with skin and eyes.
Storage:	Store in a cool, dry place. Store in a tightly closed container. Keep away from acids.

Section 8 - Exposure Controls, Personal Protection

Engineering Controls:

Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use adequate ventilation to keep airborne concentrations low.

Exposure Limits

CAS# 16731-55-8:

Personal Protective Equipment

Eyes:	Wear chemical splash goggles.
Skin:	Wear appropriate protective gloves to prevent skin exposure.
Clothing:	Wear appropriate protective clothing to prevent skin exposure.
Respirators:	Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.

Section 9 - Physical and Chemical Properties

Physical State: Crystalline powder

Color: white - slightly yellow

Odor: sulfur dioxide odor - slight

pH: 3.5-4.5 @ 5% aq. sol.

Vapor Pressure: Not available

Viscosity: Not available

Boiling Point: Not available

Freezing/Melting Point: 190 deg C (dec.)
Autoignition Temperature: Not available
Flash Point: Not available
Explosion Limits: Lower: Not available
Explosion Limits: Upper: Not available
Decomposition Temperature:
Solubility in water: 450 g/l water @ 20°C
Specific Gravity/Density: Not available.
Molecular Formula: K2O5S2
Molecular Weight: 222.33

Section 10 - Stability and Reactivity

Chemical Stability: Not available
Conditions to Avoid: Incompatible materials, temperatures above 150°C.
Incompatibilities with Other Materials: Oxidizing agents, acids, sodium nitrate, sodium nitrite.
Hazardous Decomposition Products: Sulfur dioxide.
Hazardous Polymerization: Will not occur.

Section 11 - Toxicological Information

RTECS#: CAS# 16731-55-8: TT4920000
LD50/LC50: RTECS: Not available. Other: Oral, rat: LD50 = 2300 mg/kg
Carcinogenicity: Potassium metabisulfite - IARC: Group 3 (not classifiable)
Other: The toxicological properties have not been fully investigated. See actual entry in RTECS for complete information.

Section 12 - Ecological Information

Ecotoxicity: Fish: LC50: 460-1000 mg/l; 96h; .
 Bacteria: EC50: 65 mg/l; 17h; .

Section 13 - Disposal Considerations

Dispose of in a manner consistent with federal, state, and local regulations.

Section 14 - Transport Information

	IATA	IMO	RID/ADR
Shipping Name:	Not available	Not available	Not available
Hazard Class:			
UN Number:			
Packing Group:			

Section 15 - Regulatory Information

European/International Regulations

European Labeling in Accordance with EC Directives

Hazard Symbols: XI

Risk Phrases:

R 31 Contact with acids liberates toxic gas.

R 37 Irritating to respiratory system.

R 41 Risk of serious damage to eyes.

Safety Phrases:

S 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical

advice.

S 39 Wear eye/face protection.

S 50A Do not mix with acids.

WGK (Water Danger/Protection)

CAS# 16731-55-8: 1

Canada

CAS# 16731-55-8 is listed on Canada's DSL List

US Federal

TSCA

CAS# 16731-55-8 is listed on the TSCA Inventory.

Section 16 - Other Information

MSDS Creation Date: 7/16/1996

Revision #1 Date 3/05/2002

Revisions were made in Sections: General revision.

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