

**MATERIAL SAFETY DATA SHEET****Product Name:** Potassium metabisulphite**CAS No.:** 16731-55-8**Version:** 0**1. Identification**

**Product Code** : 90218, 90511  
**Company Name** : Advent Chembio Private Limited  
**Address** : W-288, MIDC, TTC INDUSTRIAL AREA, THANE-BELAPUR ROAD, RABALE, NAVI MUMBAI - 400 701.  
**E-mail** : [info@adventchembio.com](mailto:info@adventchembio.com)  
**WEBSITE** : [www.adventchembio.com](http://www.adventchembio.com)  
**Company Phone Number** : 022-27690837

**2. Composition/Information on Ingredients**

Ingredient	CAS No	Percent
POTASSIUM METABISULPHITE	16731-55-8	90- 100%

**3. Hazards Identification****Hazard classification****Health hazards**

Acute toxicity (Oral) : Category 4  
Serious eye damage/eye irritation : Category 2  
Specific target organ toxicity - single exposure : Category 3

**Labels elements****Hazard symbol**

**Signal word** : Warning.  
**Hazard statement** : Harmful if swallowed.  
May cause respiratory irritation.  
Causes eye irritation.

**Precautionary statement****Prevention**

: Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product. Avoid breathing dust/fume/gas/vapors. Use only outdoors or in a well-ventilated area.

**Response**

: **IF SWALLOWED:** Call a POISON CENTER or doctor/physician if you feel unwell. **IF INHALED:** Remove victim to fresh air and keep at rest in a position comfortable for breathing. **IF IN EYES:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

**MATERIAL SAFETY DATA SHEET****Product Name:** Potassium metabisulphite**CAS No.:** 16731-55-8**Version:** 0

- Storage:** : Store in a well-ventilated place. Keep container tightly closed. Store locked up.
- Disposal** : Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.
- Other hazards which do not result in GHS classification** : None.

**4. First Aid Measures**

- General information** : Get medical advice/attention if you feel unwell. If medical advice is needed, have product container or label at hand. Show this safety data sheet to the doctor in attendance.
- Ingestion** : Rinse mouth. Call a POISON CENTER or doctor/physician if you feel unwell.
- Inhalation** : Move to fresh air. Get medical attention if symptoms persist.
- Skin contact** : Wash skin thoroughly with soap and water. Get medical attention if symptoms occur. Wash contaminated clothing before reuse.
- Eye contact** : Immediately flush with plenty of water for at least 15 minutes. If easy to do, remove contact lenses. If eye irritation persists: Get medical advice/attention.
- Most important symptoms/effects, acute and delayed** : May cause irritation to skin, eyes, and respiratory tract.
- Indication of immediate medical attention and special treatment needed** : Treat symptomatically. Symptoms may be delayed.

**MATERIAL SAFETY DATA SHEET****Product Name:** Potassium metabisulphite**CAS No.:** 16731-55-8**Version:** 0**5. Fire fighting measures****General fire hazards** : The product is non-combustible.**Suitable (and unsuitable) extinguishing media****Suitable extinguishing media** : Use fire-extinguishing media appropriate for surrounding materials.**Unsuitable extinguishing media** : None known.**Specific hazards arising from the chemical** : During fire, gases hazardous to health may be formed.**Special protective equipment and precautions for firefighters****Special fire fighting procedures** : Move containers from fire area if you can do so without risk. Use water spray to keep fire-exposed containers cool. Cool containers exposed to flames with water until well after the fire is out.**Special protective equipment for fire-fighters** : Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA.**6. Accidental Release Measures****Personal precautions, protective equipment and emergency procedures** : Keep unauthorized personnel away. Keep upwind. Ventilate closed spaces before entering them. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing.**Methods and material for containment and cleaning up** : Sweep up and place in a clearly labeled container for chemical waste. Clean surface thoroughly to remove residual contamination .**Notification Procedures** : Prevent entry into waterways, sewer, basements or confined areas. Inform authorities if large amounts are involved .**Environmental precautions** : Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground.**7. Handling and Storage****Precautions for safe handling** : Use personal protective equipment as required. Avoid contact with eyes, skin, and clothing. Avoid inhalation of dust. Wash thoroughly after handling.**Conditions for safe storage, including any incompatibilities** : Keep container tightly closed. Store in a well-ventilated place. Store in cool, dry place.

**MATERIAL SAFETY DATA SHEET**

Product Name: Potassium metabisulphite

CAS No.: 16731-55-8

Version: 0

**8. Exposure Controls Personal Protection****Control parameters****Occupational exposure limits** : None of the components have assigned exposure limits.**Appropriate engineering controls** : No data available.**Individual protection measures, such as personal protective equipment****General information** : Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.**Eye/face protection** : Use tight fitting goggles if dust is generated.**Hand protection** : Wear protective gloves .**Other** : Wear suitable protective clothing and gloves.**Respiratory protection** : In case of inadequate ventilation, use respiratory protection.**Hygiene measures** : Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. Provide eyewash station and safety shower.**9. Physical and Chemical Properties****Appearance** : White Solid Powder**Odor** : Odorless**pH** : No data available.**Melting point/freezing point** : 190 °C**Initial boiling point and boiling range** : No data available.**Flash Point** : No data available**Vapor pressure** : No data available.**Vapor density** : No data available**Relative density** : 2.3 (20 °C)**Solubility in water** : Soluble**Solubility (other)** : No data available.**Formula** : H<sub>2</sub>O<sub>5</sub>S<sub>2</sub>.2K**Molecular Weight** : 222.33 g/mol

**MATERIAL SAFETY DATA SHEET****Product Name:** Potassium metabisulphite**CAS No.:** 16731-55-8**Version:** 0**10. Stability and Reactivity**

<b>Reactivity</b>	:	No dangerous reaction known under conditions of normal use.
<b>Chemical stability</b>	:	Stable; however, may decompose if heated.
<b>Possibility of hazardous reactions</b>	:	Hazardous polymerization does not occur.
<b>Conditions to avoid</b>	:	Exposure to air. Heat. Moisture. Contact with incompatible materials .
<b>Incompatible materials</b>	:	Strong oxidizing agents.
<b>Hazardous decomposition products</b>	:	Sulfur dioxide gas may be liberated from the product .

**11. Toxicological Information****Information on likely routes of exposure**

<b>Ingestion</b>	:	Harmful if swallowed.
<b>Inhalation</b>	:	Irritating to respiratory tract.
<b>Skin contact</b>	:	Causes mild skin irritation.
<b>Eye contact</b>	:	Causes eye irritation.

**Information on toxicological effects****Acute toxicity (list all possible routes of exposure)**

<b>Oral Product</b>	:	No data available.
<b>Dermal Product</b>	:	No data available.
<b>Inhalation Product</b>	:	No data available
<b>Repeated dose toxicity Product</b>	:	No data available.
<b>Skin corrosion/irritation Product</b>	:	Causes mild skin irritation.
<b>Serious eye damage/eye irritation Product</b>	:	Causes eye irritation.
<b>Respiratory or skin sensitization Product</b>	:	Not a skin sensitizer.
<b>Carcinogenicity Product</b>	:	This substance has no evidence of carcinogenic properties.
<b>IARC Monographs on the Evaluation of Carcinogenic Risks to Humans DIOXANE</b>	:	No carcinogenic components identified.
<b>US. National Toxicology Program (NTP) Report on Carcinogens DIOXANE</b>	:	No carcinogenic components identified.
<b>US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050</b>	:	No carcinogenic components identified.
<b>Germ cell mutagenicity</b>	:	
<b>In vitro Product</b>	:	No mutagenic components identified.
<b>In vivo Product</b>	:	No mutagenic components identified.
<b>Reproductive toxicity Product</b>	:	No components toxic to reproduction.

**MATERIAL SAFETY DATA SHEET****Product Name:** Potassium metabisulphite**CAS No.:** 16731-55-8**Version:** 0

**Specific target organ toxicity - single exposure Product** : Respiratory tract irritation.  
**Specific target organ toxicity - repeated exposure Product** : None known  
**Aspiration hazard Product** : Not classified  
**Other effects** : None known.

**12. Ecological Information****Ecotoxicity****Acute hazards to the aquatic environment :****Fish Product** : No data available.**Aquatic invertebrates Product** : No data available.**Chronic hazards to the aquatic environment :****Fish Product** : No data available.**Aquatic invertebrates Product** : No data available.**Toxicity to Aquatic Plants Product:** : No data available.**Persistence and degradability****Biodegradation Product** : There are no data on the degradability of this product.**BOD/COD ratio Product** : No data available.**Bioaccumulative potential****Bioconcentration factor (BCF) Product** : No data available on bioaccumulation.**Product****Partition coefficient n-octanol / water (log Kow) Product** : No data available.**Mobility in soil** : No data available.**Other adverse effects** : The product components are not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.**13. Disposal consideration****Disposal instructions** : Discharge, treatment, or disposal may be subject to national, state, or local laws.**Contaminated packaging** : Since emptied containers retain product residue, follow label warnings even after container is emptied.

# MATERIAL SAFETY DATA SHEET

**Product Name:** Potassium metabisulphite

**CAS No.:** 16731-55-8

**Version:** 0

## 14. Transport information

	UN No.	UN proper shipping name	Hazard Class(es)	Packaging group	Marine Pollutant
<b>DOT</b>			Not regulated.		
<b>IMDG</b>			Not regulated.		
<b>IATA</b>			Not regulated.		

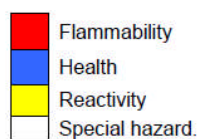
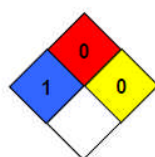
## 15. Regulatory Information

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

Safety, health and environmental regulations/legislation specific for the substance or mixture  
No Data Available.

## 16. Other Information

### NFPA Hazard ID



Hazard rating: 0 - Minimal; 1 - Slight; 2 - Moderate; 3 - Serious; 4 - Severe

**Issue Date :**01/08/2014

**Version : 0**

**Disclaimer:** This Material Safety Data Sheet (MSDS) is for guidance and is based upon information and tests believed to be reliable. ADVENT CHEMBIO PRIVATE LIMITED makes no guarantee of the accuracy or completeness of the data and shall not be liable for any damages relating thereto. The data is offered solely for your consideration, investigation, and verification. The data should not be confused with local, state, federal or insurance mandates, regulations, or requirements and CONSTITUTE NO WARRANTY. Any use of this data and information must be determined by the technical instructor in accordance with applicable local, state or federal laws and regulations. The conditions or methods of handling, storage, use and disposal of the product(s) described are beyond the control of ADVENT CHEMBIO PRIVATE LIMITED and may be beyond our knowledge. FOR THIS AND OTHER REASONS, WE DO NOT ASSUME RESPONSIBILITY AND EXPRESSLY DISCLAIM LIABILITY FOR LOSS, DAMAGE OR EXPENSE ARISING OUT OF OR IN ANY WAY CONNECTED WITH THE HANDLING, STORAGE, USE OR DISPOSAL OF THIS PRODUCT(S).