



SAFETY DATA SHEET

ACCORDING TO EC-REGULATIONS 1907/2006 (REACH) & 1272/2008 (CLP)

Revision: 0. Date: 06/10/10

METHYL 2,3-DIBROMOPROPIONATE

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1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

Product identifier	METHYL 2,3-DIBROMOPROPIONATE
Trade name / Synonym(s)	2,3-Dibromopropionic acid methyl ester
CAS No.	1729-67-5
EINECS No.	217-044-3
REACH Registration No.	Not available.
Identified use(s)	Industrial use only.
Uses advised against	No data.
Details of the supplier of the Safety Data Sheet	CONTRACT CHEMICALS (KNOWSLEY) LTD Penrhyn Road, Knowsley Business Park, Prescot, Merseyside, L34 9HY
Telephone	+44 (0)151 548 8840
E-Mail (competent person)	dawn.cockroft@contract-chemicals.com
Emergency telephone number	+44 (0)151 548 8840

2. HAZARDS IDENTIFICATION**Classification of the substance or mixture**

Regulation (EC) No. 1272/2008 (CLP)	Serious eye damage/irritation: Category 2. Specific target organ toxicity — single exposure: Category 3
Directive 67/548/EEC & Directive 1999/45/EC	Irritant; Xi: R36/37: Irritating to eyes and respiratory system.

Label elements

Hazard Pictogram

According to Regulation (EC) No. 1272/2008 (CLP)

Signal word(s)

Warning

Hazard statement(s)

H319: Causes serious eye irritation.

H335: May cause respiratory irritation.

Precautionary statement(s)

P264: Wash (hands and exposed skin) thoroughly after handling.

P280: Wear protective gloves/protective clothing/eye protection/face protection.

P304 + P340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

P305 + P351 + P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337 + P313: If eye irritation persists: Get medical advice/attention.

Label elements

Hazard Symbol

According to Directive 67/548/EEC & Directive 1999/45/EC

Indications of danger:

IRRITANT

Risk Phrases

R36/37: Irritating to eyes and respiratory system.

Safety Phrases

S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S36: Wear suitable protective clothing.



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Other hazards -
Additional Information -

3. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous ingredient(s)	%W/W	CAS No.	EC No.	REACH Registration No.	Classification of the substance or mixture
Methyl 2,3-dibromopropionate	>99	1729-044-3	217-044-3	Not available.	Eye Irrit. 2, STOT SE 3 H319, H335 Xi: R36/37

Additional Information

For full text of H/P phrases see section 16. For full text of R phrases see section 16.

4. FIRST AID MEASURES

Description of first aid measures

Protection of First-Aiders:



Protect yourself and any casualty from further exposure during decontamination. Wear suitable protective clothing, gloves and eye/face protection.

Other:

Remove contaminated clothing.

Inhalation

Remove persons affected by vapour to fresh air. Keep patient at rest and give oxygen if breathing difficult. Apply artificial respiration if necessary (do not employ mouth-to-mouth method). Appropriate mechanical means should be used (Pneupac or bag and mask). Seek medical treatment.

Skin Contact

Wash affected skin with plenty of water. Seek medical treatment.

Eye Contact

Irrigate with eyewash solution or clean water, holding the eyelids apart, for at least 15 minutes. Seek medical treatment.

Ingestion

If swallowed, rinse mouth with water (only if the person is conscious). Do not induce vomiting. Keep patient at rest. Seek medical treatment.

Most important symptoms and effects, both acute and delayed

May cause irritation to eyes and air passages.

Indication of immediate medical attention and special treatment needed

Seek medical treatment when anyone has symptoms apparently due to swallowing, inhalation or contact with skin or eyes.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Alcohol-resistant foam, dry powder or carbon dioxide.

Unsuitable Extinguishing Media

-

Special hazards arising from the substance or mixture

Combustion causes toxic fumes.

Advice for fire-fighters

A self contained breathing apparatus and suitable protective clothing should be worn in fire conditions.




**6. ACCIDENTAL RELEASE MEASURES**

Personal precautions, protective equipment and emergency procedures	Ensure suitable personal protection (including respiratory protection) during removal of spillages.
Environmental precautions	Avoid release to the environment. Contain effluent and prevent effluent from entering sewers and waterways.
Methods and material for containment and cleaning up	Contain and adsorb large spillages onto an inert, non flammable adsorbent carrier. Transfer to a container for disposal. Prevent release to the environment.
Reference to other sections	See Section: 8 and 13
Additional Information	-

7. HANDLING AND STORAGE

Precautions for safe handling	Avoid breathing dust/fume/gas/mist/vapours/spray. Wear suitable protective clothing.
Conditions for safe storage, including any incompatibilities	Keep container tightly closed, in a cool, well ventilated place. Keep containers properly sealed when not in use.
Storage Temperature	2 – 8 °C
Incompatible materials	Stable under normal conditions.
Specific end use(s)	Industrial use only.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters	
Occupational Exposure Limits	None assigned.
Biological limit value	None assigned.
Exposure controls	
Appropriate engineering controls	Provide adequate ventilation when using the material and follow the principles of good occupational hygiene to control personal exposures. Provide adequate ventilation to avoid build up of vapours.
Personal protection equipment	
Eye/face protection	Goggles giving complete protection to eyes. Full face shield
	
Skin protection (Hand protection/ Other)	Gloves: Neoprene. Glove performance is governed by many variables over which we have no control, we strongly recommend that you seek specialist advice on the selection and use of protective gloves. Note: Break-through times can vary depending on thickness, use and source. Change gloves regularly. Chemical protection suit.
	
Respiratory protection	Where engineering controls are not fitted or inadequate wear suitable respiratory protective equipment.
	

**9. PHYSICAL AND CHEMICAL PROPERTIES****Information on basic physical and chemical properties**

Appearance	Liquid.
Colour	Clear.
Odour	Not determined.
Odour Threshold (ppm)	Not determined.
pH (Value)	Not determined.
Melting Point (°C) / Freezing Point (°C)	Not determined.
Boiling point/boiling range (°C):	83 – 86 @ 13 hPa
Flash Point (°C)	Not determined.
Evaporation rate	Not determined.
Flammability (solid, gas)	Not determined.
Explosive limit ranges.	Not determined.
Vapour Pressure (Pascal) (20°C)	Not determined.
Vapour Density (Air=1)	Not determined.
Density (g/ml) (20°C)	1.944
Solubility (Water)	Not determined.
Solubility (Other)	Not determined.
Partition Coefficient (n-Octanol/water)	Not determined.
Auto Ignition Temperature (°C)	Not determined.
Decomposition Temperature (°C)	Not determined.
Viscosity (mPa.s)	Not determined.
Explosive properties	Not determined.
Oxidising properties	Not determined.
Other information	-

10. STABILITY AND REACTIVITY

Reactivity	No data.
Chemical stability	Stable under normal conditions.
Possibility of hazardous reactions	None known.
Conditions to avoid	Avoid contact with heat and ignition sources.
Incompatible materials	Stable under normal conditions.
Hazardous Decomposition Product(s)	Toxic gases/vapours: Carbon dioxide, Carbon monoxide and hydrogen bromide gas

11. TOXICOLOGICAL INFORMATION

Acute toxicity	
Ingestion	May be harmful if swallowed.
Inhalation	Harmful if inhaled. May cause respiratory irritation.
Skin Contact	May be harmful in contact with skin. Mist may cause irritation.
Eye Contact	Causes eye irritation.
Skin corrosion/irritation	No data.
Serious eye damage/irritation	No data.
Respiratory or skin sensitization	No data.



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Mutagenicity	No data.
Carcinogenicity	No data.
Reproductive toxicity	No data.
STOT - single exposure	No data.
STOT - repeated exposure	No data.
Aspiration hazard	No data.
Other information	-

12. ECOLOGICAL INFORMATION

Toxicity	No data.
Persistence and degradability	No data.
Bioaccumulative potential	No data.
Mobility in soil	No data.
Results of PBT and VPVB assessment	No data.
Other adverse effects	-

13. DISPOSAL CONSIDERATIONS

Waste treatment methods	Dispose of this material and its container to hazardous or special waste collection point. Disposal may be carried out by diluting the waste with a suitable solvent and burning under controlled conditions at a licensed waste material processor; stack gases will need to be scrubbed (See Section 5 above).
Additional Information	Disposal should be in accordance with local, state or national legislation.

14. TRANSPORT INFORMATION

Land transport (ADR/RID)	Not classified as dangerous for transport.
UN number	
Proper Shipping Name	
Transport hazard class(es)	
Packing Group	
Hazard label(s)	
Environmental hazards	
Special precautions for user	
Sea transport (IMDG)	Not classified as dangerous for transport.
UN number	
Proper Shipping Name	
Transport hazard class(es)	
Packing Group	
Marine Pollutant	
Special precautions for user	
Air transport (ICAO/IATA)	Not classified as dangerous for transport.
UN number	



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Proper Shipping Name
Transport hazard class(es)
Packing Group
Environmental hazards
Special precautions for user

15. REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture substance or mixture

This Safety Data Sheet was prepared in accordance with EC Regulation (EC) No. 1907/2006.

16. OTHER INFORMATION

This latest edition applies a change of format.

The format of this Safety Data Sheet conforms to the requirements of Regulation (EC) 1907/2006 (REACH)

The latest information changes are marked with a vertical bar in the left margin.

References:

Regulation (EC) No. 1272/2008 (CLP)

Handbook of Chemicals, Aldrich

Risk Phrases

Xi Irritant.

R36/37 Irritating to eyes and respiratory system.

Hazard statement(s)

Eye Irrit. 2 Serious eye damage/irritation: Category 2.

STOT SE 3 Specific target organ toxicity — single exposure: Category 3

H319 Causes serious eye irritation.

H335 May cause respiratory irritation.

Additional Information

Disclaimer - Although reasonable care has been taken in the preparation of this document to assess and summarise the hazard properties of the product, the user must satisfy himself that the information contained herein is pertinent to permit safe handling under his use conditions, since the supplier cannot foresee all conditions of use. The information contained herein is not intended as a product specification.