

WINDIA CHEMICALS PRIVATE LIMITED

130/1-9, Thinnanur Road, Pulivalam Post,
Musiri Tk, Trichy Dist Pin:621006.

SAFETY DATA SHEET


Calcium Bromide Solution (CaBr₂)

1. Product Identification.

Synonyms : None.
CAS No : 7789-41-5.
Molecular Weight : 199.89
Chemical Formula : CaBr₂.
Company Identification : Windia Chemicals P. Ltd,
41, 3rd Street, V.G.P Layout,
Injambakkam, Chennai-600041.
info@windiachemical.com.

2. Hazards Identification.

Emergency Overview

OSHA Hazards	Irritant.
Target	: Eyes, skin.
GHS Classification	: Serious Eye damage and skin irritation. : Irritation Category.
GHS Label elements, including precautionary statements	
Pictograms	
Signal Word	: Danger.
Hazard statement(s)	
H318	: Cause serious eye damage and eye irritation.
Precautionary statement(s)	
P280	: Wear protective gloves/protective clothing/face protection
P305+P351+P338	: IF IN EYES: Rinse cautiously with water for several minutes. : Remove contact lenses, if present and easy to do.

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Hazardous Materials Identification System (HMIS) Classification

Physical hazards	: 0
Personal protection	: 0
Flammability	: 0
Personal hazards	: 2

National Fire Protection Association (NFPA) Rating

Health Rating	: 2
Flammability Rating	: 0
Reactivity Rating	: 0
Contact Rating	: 0

Potential Health Effects

Inhalation	: May cause irritation of respiratory tract.
Skin	: May cause skin irritation.
Ingestion	: May cause gastrointestinal irritation, vomiting, diarrhea.

3. Composition/Information on Ingredients.

Ingredients	CAS No	Percent	Hazardous
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Calcium Bromide Solution	7789-41-5	45-56.5%	No.

4. First Aid Measures

Eyes	: Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Keep eyes wide open while rinsing. : Get medical aid.
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Skin	: Get medical aid. Immediately flush skin with mild soap and plenty of water for at least 15 minutes while removing contaminated clothing and shoes. : Wash the contaminated clothing before reuse. : If the skin irritation persists, call a physician.
Ingestion	: Get medical aid immediately. : Do not induce vomiting. Clean mouth with water and afterwards drink plenty of water. : Never give anything by mouth to an unconscious person.
Inhalation	: Remove from exposure and move to fresh air immediately. : Get medical attention if symptoms occur.
Notes to physician	: Treat symptomatically and supportively.

5. Fire Fighting Measures

General Information	: As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH Strong (approved or equivalent), and full protective gear. : Water spray to keep fire-exposed containers cool.
Extinguishing Media	: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Flash Point	: Not applicable.
Autoignition Temperature	: Not applicable.
Explosion Limits-Lower	: Not available.
Explosion Limits-Upper	: Not available.

6. Accidental Release Measures

Wear respirators, chemical safety goggles, rubber gloves and boots. Evacuate area and keep Personnel upwind. Avoid contact with skin, eyes and clothing. Avoid breathing vapours and mists. Ventilate area and wash spill site. Prevent product from entering drains. Dam up, soak up with inert absorbent material. Pick up and transfer to properly labelled containers.

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7. Handling and Storage

Keep container tightly closed in a dry, cool and well-ventilated place. Wear personal protective equipment. Avoid contact with skin, eyes and clothing. Avoid breathing vapours and mists.

8. Exposure Controls/Personal Protect:

Ventilation System:

A system of local and/or general exhaust is recommended to keep employee exposures as low as possible. Local exhaust ventilation is generally preferred because it can control the emissions of the contaminant at its source, preventing dispersion of it into the general work area. Please refer to the ACGIH document, *Industrial Ventilation, A Manual of recommended Practices*, most recent edition, for details.

Personal Respirators (NIOSH Approved):

For conditions of use where exposure to dust or mist is apparent and engineering controls are not feasible, a particulate respirator (NIOSH type N95 or better filters) may be worn. If oil particles (e.g. lubricants, cutting fluids, glycerine, etc.) are present, use a NIOSH type R or P filter. For emergencies or instances where the exposure levels are not known, use a full-face positive-pressure, air-supplied respirator. WARNING: Air-purifying respirators do not protect workers in oxygen-deficient atmospheres.

Skin Protection	: Wear protective gloves and clean body-covering clothing
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Eye Protection	: Use chemical safety goggles. Maintain eye wash fountain and quick-drench facilities in work area.
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9. Physical and Chemical Properties.

Appearance	: Liquid.
pH	: 7
Odour	: Odourless.
Boiling Point	: 128°C
Melting Point	: No information available
Solubility	: Completely soluble in water.
Upper or lower flammability limits	: No information available
Vapour threshold	: No information available
Odour threshold	: No information available
Vapour density	: No information available
Flash point	: No information available
Evaporation Rate	: No information available

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Flammability	: No information available
Partition Coefficient: n-Octanol/water	: No information available
Auto Ignition Temperature	: No information available
Decomposition Temperature	: No information available
Viscosity	: No information available

10. Stability and Reactivity

Stability	: Stable under recommended storage conditions.
Conditions of Instability	: Not available.
Hazardous Polymerization	: Will not occur
Incompatibilities	: Acids, water, potassium
Conditions to Avoid	: Protect from moisture.
Corrosivity	: Not available.
Decomposition products	: Not available.

11. Toxicological Information

Component Information

Component	LD50 Oral	LC50 Inhalation
Hydrobromic acid	4100 mg/Kg (Rat)	-

CAS#	7789-41-5
Carcinogenicity	Contains no ingredients above reportable quantities listed as a carcinogen.
Epidemiology	No information available.
Teratogenicity	No information available.
Reproductive Effects	No information available.
Mutagenicity	No information available.
Neurotoxicity	No information available.
Aspiration Hazard	No information available.
Specific Target Organ Toxicity-single	No information available.

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Specific Target Organ Toxicity-Repeat	No information available.
Potential Health Effects	
Skin	: May cause skin irritation
Ingestion	: May cause gastrointestinal irritation, vomiting, diarrhea.
Inhalation	: May cause irritation of respiratory tract.

12. Ecological Information

Environmental Fate: No information found.

Environmental Toxicity: No information found.

13. Disposable Considerations

The material as supplied is not a hazardous waste according to Federal regulations (40 CFR 260). This material could become a hazardous waste if it is mixed with or otherwise comes in contact with a hazardous waste, if chemical additions are added to this material, or if the material is processed or otherwise altered. Consult 40 CFR 261 to determine whether the altered material is a hazardous waste. Do not reuse empty containers.

14. Transport Information:

Not regulated.

15. Regulatory Information:

Federal and State Regulations:

TSCA 8(b) inventory: Calcium Bromide Solution

Other Regulations:

EINECS: This product is on the European inventory of Existing Commercial Chemical Substances.

Protective Equipment:

Gloves, Lab coat, Dust respirator. Be sure to use an approved/ certified respirator or equivalent and safety glasses.

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16. Other Information

Version no : WCPL - CaBr₂- SDS - 001

Date of Creation : 28 - Nov - 2019

E-mail ID : info@windiachemicals.com

Disclaimer

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall Windia chemicals be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if Windia chemicals has been advised of the possibility of such damages.



Approved By QC Manager
Govindaraj 26/02/2022