



MATERIAL SAFETY DATA SHEET

revision date: 07/07/2019

Section 1 - Product EG-11220/G Flame Barrier.

Identification of the Substance & the Company

Catalog number EG 11220/G.
Chemical name Flame barrier.
Chemical family Inorganic.

Section 1 -Type of product A flame retardant for use in wood, textiles, chipboard, plywood and any other absorbent materials.

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Section 2 - Chemical and Physical Properties

Appearance White, odorless, crystalline solid.
Melting point/range 542oC in sealed capillary sublimates at 452oC.
Boiling point/range 235oC (in vacuum).
Specific gravity 2.429.
Vapor pressure 1mm Hg at 198.3oC.
Relative vapor density(air=1) not applicable under standard condition.
Evaporation rate (ether=1) not applicable under standard condition.
Solubility In water: 97 gr/100ml at 25 C.
In alcohol: 10 gr/100ml at 78 C.
Thermal decomposition Decomposes on sublimation (above 452 C).

Section 3 - Hazard identification

Adverse human health effects Irritant to eyes.
Large doses or repeated intake of bromides may affect the central nervous system.
Symptoms of overexposure may include falling asleep, muscular incoordination and respiratory depression.
May cause acne-form skin rash.

Section 4 - Fire - fighting measures

Flash point None.
Auto-ignition temperature Not applicable.
Flammable/Explosion limits Non flammable.
Extinguishing media Material is not combustible. Use extinguishing media appropriate to surrounding fire conditions.
Fire fighting procedure Cool containers with water spray.
In closed stores, provide fire-fighters with self-contained breathing apparatus in positive pressure mode

Section 5 -Toxicological information

Toxicity
- Rat oral LD50 2714 mg/kg.
Effects of overexposure
- Ocular Irritant.
- Dermal Not irritant.
- Inhalation May cause irritation to mucous membranes and upper respiratory tract.
- Ingestion Abdominal pain, nausea and vomiting.
May cause falling asleep, muscular incoordination and respiratory depression.
Carcinogenicity Not known to be a carcinogen.
Not included in NTP 7th Annual Report on Carcinogens.
Not classified by IARC.
Mutagenicity Not mutagenic by the Ames Test.
Chronic toxicity Prolonged oral exposure may cause headache, confusion, tremors, memory loss, slurred speech, anorexia and acne-form skin eruptions.
Repeated skin contact may cause dermatitis.

Section 6 - First-aid measures

Eye contact Holding the eyelids apart, flush eyes promptly with copious flowing water for at least 20 minutes.
Get medical attention immediately.

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Skin contact	wash skin thoroughly with mild soap and plenty of water for at least 15 minutes
Inhalation	In case of dust inhalation or breathing fumes released from heated material, remove person to fresh air.
Ingestion	If swallowed, wash mouth thoroughly with plenty of water and give water or milk to drink.

Section 7 - Ecological information

Environmental fate	EG-11220/G is an inorganic salt, which fully dissociates in aquatic environment to bromide and ammonium ions, It also undergoes degradation in soil to bromide ion (no further degradation or biodegradation will occur).
Octanol/Water partition-coefficient	Not applicable since this material is completely soluble in water. Bioaccumulative potential Bioaccumulation is not likely to occur since this material is completely soluble in water.

Section 8 - stability and reactivity

Stability	Liquid. Stable under normal conditions.
Materials to avoid	Strong oxidizers, acids and bases. heavy metal salts, silver and potassium.
Conditions to avoid	Heating above 450oC.
Hazardous polymerization	Will not accure

Section 9 - Accidental release measures

After spillage/leakage Wear rubber gloves and boots.
Clean with lot of water. Wash spill site after complete cleaning.

Section 10 - Disposal considerations

Waste disposal	Add into a large vessel containing water and drain into sewer with ample water. observe all federal, state and local environmental regulations when disposing of this material.
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Section 11 - exposure controls/personal protection

Exposure limits:	
-TLV-TWA	Not established
Ventilation requirements	Not applicable
Personal protection equipment:	
- Respiratory protection	Not applicable
- Gloves	Protective gloves.
- Eye protection	Safety goggles.
Industrial hygiene	Safety shower and eye bath should be

Section 12 - Handling and storage

Handling	Avoid bodily contact. Keep containers tightly closed.
Storage	Store in a dry, cool area.

Section 13 - Transportation information:

UN No.	Not regulated
IMO-IMDG code	Not regulated
ICAO/IATA	Not regulated
RID/ADR	Not regulated
US DOT	Not regulated

Section 14 -

Regulatory information

EEC	Reported in EINECS (No. 2351838).
- R Phrase(s)	R 36: Irritating to eyes.
USA	Reported in the EPA TSCA Inventory.

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