



**SAFETY DATA SHEET**  
70% CEASEFIRE DB DISPERSION

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**1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND OF THE COMPANY / UNDERTAKING**

**Product name:** 70% CEASEFIRE DB DISPERSION

**Product code:** fDECA/70

**Use / description of product:** Decabromodiphenyl oxide in an aqueous base. Chemical family: Polybrominated biphenyl oxide. For use as a flame retardant.

**2. COMPOSITION / INFORMATION ON INGREDIENTS**

**3. HAZARDS IDENTIFICATION**

**Main hazards:** No significant hazard.

**Other hazards:** No major hazards.

**4. FIRST AID MEASURES (SYMPTOMS)**

**Skin contact:** No symptoms.

**Eye contact:** Slight irritant (including mechanical irritation)

**Ingestion:** Unlikely to be harmful by ingestion.

**Inhalation:** Any dust from dried dispersion is irritating to the nose and respiratory tract. If this dispersion is heated to a temperature exceeding 400oC it will decompose, releasing corrosive HBr and Br<sub>2</sub> gases

**4. FIRST AID MEASURES (ACTION)**

**Skin contact:** Remove all contaminated clothes and footwear immediately unless stuck to skin. If a person feels unwell after coming into contact with this dispersion then seek medical advice.

**Eye contact:** Irrigate with plenty of water. Seek medical advice

**Ingestion:** Wash out mouth with water and give 200-300ml warm water to drink. Seek medical attention immediately.

**Inhalation:** Remove patient to fresh air. Treat symptomatically and seek medical advice.

**5. FIRE-FIGHTING MEASURES**

**Extinguishing media:** Water. Carbon dioxide. Foam Do not use water jet

**Exposure hazards:** If this dispersion is heated to a temperature exceeding 400oC it will release corrosive HBr and Br<sub>2</sub> gases

**Protection of fire-fighters:** Respiratory Protective Equipment (RPE) must be worn.

**6. ACCIDENTAL RELEASE MEASURES**

**Personal precautions:** Avoid contact with skin/eyes. Do not inhale mists. Avoid ingestion.

[cont...]

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**Environmental precautions:** Prevent contamination of drains/watercourses/vegetation. Advise police.

**Clean-up procedures:** Adsorb onto sand/earth/similar adsorbent material. Once clear, wash the spillage area clean with water and detergent.

**7. HANDLING AND STORAGE**

**Handling requirements:** Avoid contact with skin/eyes. Do not inhale mists. Avoid ingestion. Ensure there is sufficient ventilation of the area.

**Storage conditions:** Store in closed containers, well protected from frost. Stir well before use.

**Suitable packaging:** Most packagaing suitable, avoid mild-steel.

**8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

**Engineering measures:** Ensure there is sufficient ventilation of the area.

**Respiratory protection:** Wear suitable respiratory protective equipment to prevent overexposure to mist.

**Hand protection:** Protective gloves. Water repellent barrier cream

**Eye protection:** Safety goggles. Ensure eye bath is to hand.

**Skin protection:** Wear suitable protective clothing. Water-repellent barrier cream.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

**State:** Flowable aqueous dispersion.

**Colour:** White

**Odour:** Slight

**Viscosity:** 800 - 2500 cps

**Oxidising:** No data

**Evaporation rate:** No data

**Solubility in water:** Miscible

**Also soluble in:** No data.

**Boiling point/range°C:** 100

**Melting point/range°C:** 0

**Flammability limits %: lower:** No data

**upper:** No data

**Flash point°C:** Decomposes 400

**Part.coeff. n-octanol/water:** No data

**Autoflammability°C:** No data

**Vapour pressure:** No data

**Relative density:** 1.90 - 2.10

**pH:** 8.00 - 11.00

**10. STABILITY AND REACTIVITY**

**Stability:** Stable under normal conditions.

**Conditions to avoid:** Extremes of temperature. Protect from frost. Do not expose to temperatures exceeding 400oC

**Materials to avoid:** Oxidising agents. Acids.

**Haz. decomp. products:** If exposed to temperatures exceeding 400oC this dispersion will release corrosive HBr

and Br<sub>2</sub> gases (Hydrogen bromide, bromine and polybrominated dibenzofurans)

### 11. TOXICOLOGICAL INFORMATION

**Effects of exposure** Excessive contact with skin may lead to de-fatting

**Routes of exposure** Prolonged skin contact may cause allergy by defatting

### 12. ECOLOGICAL INFORMATION

**Mobility:** Miscible with water.

**Persistence and degradability:** No data.

**Bioaccumulative potential:** No data.

**Other adverse effects:** No data.

### 13. DISPOSAL CONSIDERATIONS

**Waste disposal:** Mix or dissolve with a combustible material and burn in a chemical incinerator equipped with afterburners and scrubbers. In accordance with the local or national legislation.

**Disposal of packaging** Incinerate residues only in officially approved incinerator. Dispose of empty containers only on dumps designated for special waste or at an incineration plant for industrial waste.

**NB:** The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

### 14. TRANSPORT INFORMATION

**ADR / RID**

**IMDG / IMO**

**IATA / ICAO**

### 15. REGULATORY INFORMATION

**Hazard symbols:** No significant hazard.

**Safety phrases:** S25: Avoid contact with eyes.

**Note:** The regulatory information given above only indicates the principal regulations specifically applicable to the product described in the safety data sheet. The user's attention is drawn to the possible existence of additional provisions which complete these regulations. Refer to all applicable national, international and local regulations or provisions.

### 16. ADDITIONAL INFORMATION

**Additional information:** For use as a flame retardant in a variety of thermoplastics, polymers and fibres

**Legal disclaimer:** The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. Aquaspersions Limited shall not be held liable for any damage resulting from handling or from contact with the above product.