



## SAFETY DATA SHEET

40% DPG DISPERSION

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

**Product name:** 40% DPG DISPERSION

**Product code:** fDPG//40

**Use / description of product:** N,N'-Diphenylguanidine in an aqueous base. Chemical family: Disubstituted guanidine.  
For use as a vulcanisation accelerator.

### 2. COMPOSITION / INFORMATION ON INGREDIENTS

**Ingredient 1:** DI-SUBSTSTUTED AMINE 30-60%  
[Xn] R22; [Xi] R36/37/38; [N] R51/53; [Xn] R62;

### 3. HAZARDS IDENTIFICATION

**Main hazards:** Harmful if swallowed. Irritating to eyes, respiratory system and skin. Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. Possible risk of impaired fertility.

### 4. FIRST AID MEASURES (SYMPTOMS)

**Skin contact:** Moderate irritant (including mechanical irritation)

**Eye contact:** Irritant

**Ingestion:** Harmful by ingestion. Please read the label and Material Safety Data Sheet.

**Inhalation:** Moderate irritant (including mechanical irritation)

### 4. FIRST AID MEASURES (ACTION)

**Skin contact:** If a person feels unwell after coming into contact with this dispersion then seek medical advice. Remove all contaminated clothes and footwear immediately unless stuck to skin. Drench the affected skin with running water for 10 minutes or longer if substance is still on skin.

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

**Ingestion:** Do not induce vomiting. 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. Dry chemical powder. Carbon dioxide. Foam Do not use any other types of extinguisher

**Exposure hazards:** Virtually non-flammable as supplied. Residue may support combustion. Noxious fumes may evolve from burning material including aniline, nitrogen and carbon oxides.

[cont...]

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**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.

**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:** Creamy grey

**Odour:** Slight

**Viscosity:** 300 - 1200 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:** No data

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

**Autoflammability°C:** No data

**Vapour pressure:** No data

**Relative density:** 1.05 to 1.05

**pH:** 10.0 to 11.5

**10. STABILITY AND REACTIVITY**

**Stability:** Stable under normal conditions.

**Conditions to avoid:** Extremes of temperature. Protect from frost.

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**Materials to avoid:** None known No known hazardous reactions

**Haz. decomp. products:** May produce Aniline as a decomposition product

**11. TOXICOLOGICAL INFORMATION**

**Effects of exposure** Irritant to the eyes, skin and by ingestion. May cause an allergic sensitisation of the skin

**Routes of exposure** Irritation by skin/eye contact and by ingestion. Skin sensitiser. May cause allergic sensitisation of the skin especially as a component of rubber articles

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

**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**

**UN no:** -

**Shipping name:** NOT CLASSIFIED FOR TRANSPORT

**IMDG / IMO**

**UN no:** -

**Labelling:** NOT CLASSIFIED FOR TRANSPORT

**IATA / ICAO**

**UN no:** -

**Labelling:** NOT CLASSIFIED FOR TRANSPORT

**15. REGULATORY INFORMATION**

**Hazard symbols:** Harmful.  
Dangerous for the environment.



**Risk phrases:** R22: Harmful if swallowed.  
R36/37/38: Irritating to eyes, respiratory system and skin.  
R51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R62: Possible risk of impaired fertility.

**Safety phrases:** S24/25: Avoid contact with skin and eyes.

S36/37/39: Wear suitable protective clothing, gloves and eye / face protection.

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S45: In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

S61: Avoid release to the environment. Refer to special instructions / safety data sheets.

**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 vulcanisation accelerator for rubber latices.

**Risk phrases used in s.2:** R22: Harmful if swallowed.

R36/37/38: Irritating to eyes, respiratory system and skin.

R51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R62: Possible risk of impaired fertility.

**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.