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WESTERN RESERVE CHEMICAL

4837 DARROW RD. PH# 330-650-2244
STOW, OHIO 44224 Fax# 330-650-2255

MATERIAL SAFETY DATA SHEET

DPG

CAS #

102-06-7

1. Product Identifications

Manufactured by:
Rokem International
29 Xiangcheng Rd.
Shanghai, 200122 China

Product Name: DPG
Chemical Name: N,N-diphenylguanidine
Formula: $C_{13}H_{13}N_3$

Emergency Contact Phone: 1-800-321-2676

2. Physical Description/Properties

Specific Gravity: 1.19@25°C
Melting Point (C° Min): 144
Bulk Density (g/cm³): 0.4
PH Value: NA
Appearance: off white powder or pellet
Odor: Slight Aromatic
Solubility: Soluble in acetone and ethylalcohol. Insoluble
in water.
Volatiles % <0.5
Ash % <0.4
Sieve residue (150 Micron%) <0.1

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3. Hazard Information

Combustible dust

Keep away from heat, sparks and flame.

Eye irritant-Can cause redness, tearing and swelling.

Skin contact may cause allergic reaction or drying of skin.

Inhalation may cause upper respiratory irritation, nose soreness and coughing.

Ingestion of large quantities can cause damage to the liver and kidneys.

4. First Aid Information

| | |
|-------------|---|
| Skin: | Remove contaminated clothing and wash before re-use. Immediately wash contaminated skin with soap and running water. |
| Ingestion: | Immediately rinse mouth with water. Induce vomiting only at the instruction of a physician. Seek immediate medical attention. |
| Eyes: | Flush with water for 15 minutes. Seek medical attention if irritation persists. |
| Inhalation: | Remove person to fresh air. Get immediate medical attention if breathing is difficult or short. |

5. Handling and Storage

| | |
|-----------------------|---|
| Storage: | Store in a dry well-ventilated area avoiding direct exposure to sunlight Do not store near strong oxidizing products |
| Stability in storage: | one year |

6. Employee Protection Recommendations

The employee should wear protective clothes and avoid direct physical contact with the product.

Eye Protection: Wear chemical safety glasses or goggles

Hand Protective Requirements: Wear protective gloves.

Skin Protective Requirements: Wear overalls.

Ventilation: Local exhaust

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7. Toxicological Information

Low toxicity

LD50 acute oral for rats: 323mg/kg

LD50 acute skin for rats: >2000

8. Fire and Explosion Data

Flash point: Not available

Exposure standard limits: Not available

Flammable

Extinguish Media: Spray water, Carbon Dioxide, foam, sand or dry chemical.

9. Reactivity

Chemical stability: Stable when stored in original container protected from heat and moisture.

Hazardous Polymerization: Does not occur.

Materials to avoid: Strong oxidizers.

Hazardous products of decomposition: Carbon monoxide, oxides of nitrogen.

10. Accidental Release and Disposal

Spills: Sweep and place in closable container. Avoid generation of dust. Wear appropriate protective clothing and safety devices. Do not use water to remove spilled material.

Disposal: Bury waste and empty containers in licensed landfill in adherence to federal, state and local regulations.

11. Transportation Information

| | |
|---------------------------|---------------|
| DOT Status | None |
| DOT shipping name | None |
| DOT reportable qty. (lbs) | None |
| ICAO/IATA Status | Not regulated |
| Proper shipping name | None |
| UN/NA number | None |
| IMDG Status | Not regulated |
| TDG Canada | Not regulated |

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12. Other Information

FDA status 21 CFR Regulated for use under the following sections
of 21CFR: 177.2600
Rubber articles intended for repeated use in
food contact.

HMIS Classification Health 2 Flammability 1 Reactivity 0

Important Note: The information provided is without warranty regarding its accuracy or completeness. The information may not be valid under all conditions. The user has the final responsibility for determining the suitability of the product in a given application.

12/03