

****** MATERIAL SAFETY DATA SHEET ******

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Trade Name: Showcase
Product Type: Showcase
Supplier: Procool Refrigeration Limited
Address: Wusha Industrial Park, Shunde, Foshan City, China.

2. COMPOSITION/INFORMATION ON INGREDIENTS

Product Type	Components	Content
Showcase (model)	Refrigerant (R134a/R600a/R290/R404a)	g

Declaration of the preparation: The Freon refrigerant preparation isn't classified as dangerous and it contains no hazardous material.

3. HAZARDS IDENTIFICATION

Skin: Unlikely to cause skin irritation.
Eyes: May cause eye irritation.
Ingestion: Oral toxicity is believed to be low.
Inhalation: Nontoxic.
Carcinogenicity: N.A.

4. FIRST AID MEASURE

Eyes Contact: Flush eyes immediately with plenty of water for at least 15 minutes. Get medical attention.
Skin Contact: Wash affected area thoroughly with soap and water. If irritation persists, consult a physician.
Ingestion: No adverse effects anticipated by this route of exposure incidental to proper handling.
Inhalation: Move to fresh air immediately. If symptoms occur, consult a physician.
Note To Physicians: N.A.
Special Precautions: N.A.

5. FIRE FIGHTING MEASURES

Flash Point And Method: N.A.
Flammable Limits: N.A.
LEL: N.A.
UEL: N.A.
Fire Extinguishing Media: Water, fog, foam, CO₂, dry chemical.
Fire-Fighting Equipment: Wear full bunker gear including a positive pressure self-contained breathing apparatus in case of burning in large quantities.

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6. ACCIDENTAL RELEASE MEASURES

Minimize the release of particulates. Wear personal protective equipment. Do not use vacuum cleaner. After by lightly spraying with water to prevent development of dust, spills should be swept up or wiped up. Then residuals can be removed with soap and water. Preferred to use the material in a place, covering up the floor and surrounding matters with suitable sheets such as paper, in a case of being not fit to scrub the floor with water. These used sheets should be wrapped up in spills and transfer into a suitable container for disposal. Garments may be washed or dry cleaned, after removal of loose

toner.

7. HANDLING AND STORAGE

Handling Precaution: Keep containers closed at all times. Avoid creating dust. Keep away from ignition sources.

Storage Requirements: Store at room temperature. Keep away from strong oxidizers.

Regulatory

Requirements: N.A.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

OSHA PEL: TWA 5.0mg/m³ (Inert of Nuisance Dust: Respirable fraction).

15.0mg/m³ (Inert of Nuisance Dust: Total dust).

ACGIH TLV: TWA (2001).

3.0mg/m³ (Particulates Not Otherwise Classified: Respirable Particle Mass).

10.0mg/m³ (Particulates Not Otherwise Classified: Inhalational Particle Mass).

Respiratory Protection: In dusty atmospheres, use an approved dust respirator.

Skin Protection: No precautions should be needed under normal use.

Eye Protection: No precautions should be needed under normal use.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Fine powder.

Odor: None.

Boiling Point: N.A.

Vapor Pressure: N.A.

Vapor Density (Air=1): >1

Solubility In Water: Insoluble

Melting Point: N.A.

Specific Gravity (H₂O=1): >1

Evaporation Rate (Butyl

Acetate=1): N.A.

10. STABILITY & REACTIVITY

Stability: This is a stable product.

INCOMPATIBILITY

(Material to Avoid): Oxidizing materials.

Hazardous

Decomposition Or

Byproducts: Carbon oxides, hydrocarbons (by high heat and fire).

Hazardous

Polymerization: Will not occur.

11. TOXICOLOGICAL INFORMATION

Acute Toxicity

Inhalation: LC₅₀: inh-rat>5mg/L/4hrs. (Data from similar toner), not harmful.

Eye Contact: Not classified as irritant, according to OSHA Hazard Communication standard (HCS) and EU Directive 67/548/EEC (data from ingredients of toner).

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Skin Contact: Not classified as irritant, according to OSHA Hazard Communication Standard (HCS) and EU Directive 67/548/EEC.

Chronic Toxicity: No data available.

Sensitization: Not classified as a sensitizer according to EU Directive 67/548/EEC and strong sensitizer list of OSHA HCS (US).

Mutagenicity: Negative, does not indicate mutagenic potential,(Ames Test: Salmonella typhimurium).

Carcinogenicity: Not a known or suspected carcinogen according to any IARC Monograph,

NTP, OSHA Regulations (USA), EU Directive, or Proposition 65 (California).
Reproductive Toxicity: Not classified as toxic according to EU Directive 67/548/EEC, California Prop. 65, or DEG (Germany).

12. ECOLOGICAL INFORMATION

No Data Given.

13. DISPOSAL CONSIDERATIONS

Waste Disposal Method: Small quantities should be disposed of in accordance with applicable federal state and/or local regulations.

For large quantities, destruction by approved incineration is recommended.

14. TRANSPORTATION INFORMATION

Not regulated article under RID/ADR, IMDG and ICAO/IATA

15. REGULATORY INFORMATION

This product is not regulated as a hazardous substance.

OSHA Status: Product not tested. But is considered to be of relatively low toxicity.

TSCA Status: This product meets the requirements of the Toxic Substances Control Act.

SARA Title III: Product not listed. SARA listed ingredients at or above De Minimis reporting levels are noted in paragraph 2, if any.

RCRA Hazardous Waste

Number/Status: If discarded in its purchased form, this product would not be a federal hazardous waste either by listing or by characteristic. States, however, often have stricter criteria. Users should check with their state regulatory agencies for current hazardous waste criteria. Under RCRA it is the responsibility of the product user to determine at the time of disposal whether a material containing the product or derived from the product should be classified as a hazardous waste (40CFR261.20-24).

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Prepared by: