

SAFETY DATA SHEET
TRI(DIMETHYLAMINOMETHYL)PHENOL (DMP-10)

CATALOG #3100

1. IDENTIFICATION

Product Name: DMP-10

Synonyms: DMP-10

CAS Number: 90-72-2

Formula: C₁₅H₂₇N₃O

COMPANY IDENTIFICATION

TOUSIMIS RESEARCH CORP.
2211 LEWIS AVENUE
ROCKVILLE, MD
20851
UNITED STATES

Company Contact Information:

301-881-2450

trc@tousimis.com

EMERGENCY TELEPHONE NUMBER

Emergency Contact: 1-800-222-1222

2. HAZARDS IDENTIFICATION

Effects of Exposure: Danger! Flammable liquid and vapor. May cause allergic skin reaction. Causes burns by all exposure routes. Harmful if swallowed, inhaled, or absorbed through the skin. May be readily absorbed through the skin. Causes eye and skin irritation and burns. Causes eye, skin, and respiratory tract irritation. Eye: Causes eye irritation. Skin: Causes skin irritation. Ingestion: May cause gastrointestinal irritation with nausea, vomiting and diarrhea. The toxicological properties of this substance have not been fully investigated. Inhalation: Causes respiratory tract irritation. Chronic: Not Available.

Route of Exposure: Inhalation, ingestion, eye and skin contact.

Target Organs: Respiratory system, eyes, skin, central nervous system.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Component: Tris(dimethylaminomethyl)phenol

CAS No. 109-55-7
%: 96
EINECS: 202-013-9

4. FIRST AID MEASURES

Eyes: Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid immediately.

Skin: Get medical aid. Immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes.

Ingestion: POISON material. If swallowed, get medical aid immediately. Only induce vomiting if directed to do so by medical personnel. Never give anything by mouth to an unconscious person.

Inhalation: Get medical aid immediately. Remove from exposure and move to fresh air immediately. If breathing is difficult, give oxygen. Do not use mouth-to-mouth resuscitation if victim ingested or inhaled the substance; induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device.

Note to physician: Treat symptomatically and supportively.

5. FIREFIGHTING MEASURES

Flash Point: 124 deg C- closed cup

Auto-Ignition Temp: N/A

Extinguishing Media

Use water spray to cool fire-exposed containers. Water may be ineffective. Do NOT use straight streams of water. In case of fire, use carbon dioxide, dry chemical powder or appropriate foam.

Special Procedures

As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear.

Unusual Hazards

During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion. Combustible liquid. Vapors may form an explosive mixture with air.

Explosion Limits in Air

Not available

6. ACCIDENTAL RELEASE MEASURES

Spills or Leaks

Vacuum or sweep up material and place into a suitable disposal container. Clean up spills immediately, observing precautions in the Protective Equipment section.

Avoid generating dusty conditions. Remove all sources of ignition. Provide ventilation.

7. HANDLING AND STORAGE

Handling & Storage

Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Avoid contact with eyes, skin, and clothing. Avoid ingestion and inhalation. Use only with adequate ventilation. Keep away from heat and flame. Keep away from heat, sparks, and flame. Keep away from sources of ignition. Keep container closed when not in use. Store in a cool, dry, well-ventilated area away from incompatible substances.

Other precautions

Do not get in eyes, on skin, or on clothing. Do not ingest or inhale.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Respiratory Protection

A respiratory protection program that meets OSHA's 29 CFR 1910.134 and ANSI Z88.2 requirements or European Standard EN 149 must be followed whenever workplace conditions warrant respirator use.

Skin Protection

Wear appropriate protective gloves to prevent skin exposure

Eye Protection

Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.

Ventilation

Use explosion-proof ventilation equipment.

Other Protections

Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use only under a chemical fume hood.

Exposure Limits

Not Available

9. PHYSICAL AND CHEMICAL PROPERTIES

Specific Gravity: 0.969

Boiling Range: 130-135 deg C

Melting Point: Not available

Vapor Pressure: Not available
Vapor Density: 9.16 – (Air = 1.0)
Viscosity: Not available
Solubility in water: Slightly soluble
pH (in water): Not available
Partition coefficient: Not available
Appearance: Form: clear, viscous liquid | Color: light yellow
Odor: amine-like
Mol. Wt.: 265.39

10. STABILITY AND REACTIVITY

Stability

Stable under normal temperatures and pressures.

Conditions to Avoid

Incompatible materials, strong oxidants

Hazardous Polymerization

Will not occur.

Incompatibility

Oxidizing agents, reducing agents, acids, bases

Hazardous Decomposition

Carbon monoxide, carbon dioxide

11. TOXICOLOGICAL INFORMATION

Toxicity (LC50 / LD50)

Oral, rat: LD50+2169 mg/kg
Remarks: Lungs, Thorax, or
Respiration: Dyspnea
Skin, rabbit: Result: Severe skin irritation – 24

Skin Irritation (DECD 404)

Not available

Eye Irritation

Eyes – rabbit Result: Severe eye irritation – 24

Carcinogenicity

No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

12. ECOLOGICAL INFORMATION

Not available

13. DISPOSAL CONSIDERATIONS**Waste Disposal**

Dispose of in a manner consistent with federal, state, and local regulations.

RCRA Hazardous Waste

Not available

CERCLA

Not available

14. TRANSPORT INFORMATION

UN/NA Number	2735
Hazardous Class	8
Packing Group	III
Proper Shipping Name	ADR/RID: AMINES, LIQUID, CORROSIVE, N.O.S. (2,4,6-Tris(dimethylaminomethyl)phenol) IMDG: AMINES, LIQUID, CORROSIVE, N.O.S. (2,4,6 Tris(dimethylaminomethyl)phenol IATA-DGR: Amines, liquid, corrosive, n.o.s. (2,4,6- Tris(dimethylaminomethyl)phenol)
Label Precautions	Avoid contact with eyes, skin, and clothing. Avoid ingestion and inhalation.

15. REGULATORY INFORMATION

TSCA

Listed

Standard for the Uniform Scheduling of Medicines and Poisons

No data available

Carcinogen classification under WHS Regulation 2011, Schedule 10

Not listed

Notification status

AICS: On the inventory, or in compliance with the inventory

DSL: All components of this product are on the Canadian DSL

ENCS: On the inventory, or in compliance with the inventory
IECSC: On the inventory, or in compliance with the inventory
ISHL: On the inventory, or in compliance with the inventory
KECI: On the inventory, or in compliance with the inventory
NZloC: On the inventory, or in compliance with the inventory
PICCS: On the inventory, or in compliance with the inventory

16. OTHER INFORMATION

In accordance with good practices of persona 1 cleanliness and hygiene handle with due care and avoid unnecessary contact with this product.

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