

Safety Data Sheet

Section 1, Identification

Product: Mi-T-Mist

Recommended use: Spray Mi-T-Mist directly on mouthpiece and let evaporate.

Manufacturer's Name: Roche-Thomas Corporation

Address: 3162 Cedar Crest Ridge, Dubuque, IA 52003

Emergency Telephone Number: (563) 690-1800

Section 2, Hazard(s) identification

Chemical Name & Synonyms: IPA, Isopropanol, 2-Propanol

Trade Name & Synonyms: Mi-T-Mist

Chemical Family: Alcohol

Formula Code 31110

Section 3, Composition/information on ingredients

Isopropyl Alcohol (IPA)

CAS Number: 67-63-0

Percent: 70

Section 4, First-aid measures

The health effects noted below are consistent with requirements under the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Eye Contact: moderately irritating

Skin Contact: mildly irritating

Inhalation: May cause mild irritation to the nose, throat, and respiratory tract and may result in central nervous system (CNS) depression.

Ingestion: Irritating to the gastrointestinal tract, causing abdominal pain and vomiting, sometimes bloody. Ingestion, may cause CNS depression, low blood pressure, rapid heartbeat and liver damage.

Signs and Symptoms: Irritation as noted above. Early to moderate CNS (Central Nervous System) depression may be evidenced by giddiness, headache, dizziness, and nausea; in extreme cases, unconsciousness, respiratory depression and death may occur. Liver damage may be evidenced by loss of appetite, jaundice (yellowish skin color) and sometimes pain in the upper abdomen on the right side.

Aggravated Medical Conditions: Preexisting eye, skin and respiratory disorders may be aggravated by exposure to this product. Impaired function from preexisting disorders may be aggravated by exposure to this product.

Section 5, Fire-fighting measures

Flash Point and Method: 53 deg F - TCC

Flammable Limits/% Volume in Air: Lower-2 Upper-12

Extinguishing Media: Use water fog, "alcohol" foam, dry chemical or CO2.

Special Firefighting Procedures

and Precautions: Warning. Flammable. Clear fire area of unprotected personnel. Do not enter confined fire space without full bunker gear (helmet with face shield, bunker coats, gloves, and rubber boots), including a positive pressure NIOSH approved self-contained breathing apparatus. Cool fire exposed containers with water.

Unusual Fire & Explosion Hazards: Containers exposed to intense heat from fires should be cooled with water to prevent vapor pressure buildup that could result in container rupture. Container areas exposed to direct flame contact should be cooled with large quantities of water as needed to prevent weakening of container structure.

Section 6, accidental release measures

Spill or Leak Procedures: Warning. Flammable. Eliminate all ignition sources. Handling equipment must be grounded to prevent sparking. ***Large Spills***Evacuate the hazard area of unprotected personnel. Wear appropriate respirator and protective clothing. Shut off source of leak only if safe to do so. Dike and contain. If vapor cloud forms, water fog may be used to suppress; contain run-off. Remove with vacuum trucks or pump to storage/salvage vessels. Soak up residue with an absorbent such as clay, sand, or other suitable material; place in non-leaking containers for proper disposal. Flush area with water to remove trace residue, dispose of flush solutions as above. ***Small spills*** Take up with an absorbent material and place in non-leaking containers, seal tightly for proper disposal.

Section 7, handling and storages

Dept of Transportation

Classification: Class 3 (flammable liquids), II. The DOT information in this section is based upon an evaluation of the product against the requirements of 49 CFR 172 and 173 as revised by HM-181.

DOT Proper Shipping Name: Isopropanol

Other Requirements: UN1219, Guide 26

Section 8, Exposure controls/personal protection

Eye Contact: Immediately flush eyes with plenty of water for at least 15 minutes while holding eyelids open. Get medical attention.

Skin Contact: Flush skin with water. If irritation occurs, get medical attention.

Inhalation: Remove victim to fresh air and provide oxygen if breathing is difficult. Get medical attention.

Ingestion: Do not give liquids if victim is unconscious or very drowsy. Otherwise, give no more than 2 glasses of water and induce vomiting by giving 30CC (2 tablespoons) syrup of IPECAC.* If IPECAC is unavailable, give 2 glasses of water and induce vomiting by touching finger to back of victim's throat. Keep victim's head below the hips while vomiting. Get medical attention.

Note to Physician: *If victim is a child, give no more than 1 glass of water and 15CC (1 tablespoon) syrup of IPECAC. If symptoms such as loss of gag reflex, convulsions or unconsciousness occur

before emesis, gastric lavage should be considered following incubation with a cuffed endotracheal tube

Section 9, Physical and chemical properties

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| <i>Boiling Point:</i> | 180 (deg F) |
| <i>Melting Point:</i> | -127 (deg F) |
| <i>Evap. Rate (N-Butyl Acetate=1):</i> | 1.4 |
| <i>Appearance & Odor:</i> | Colorless, mobile liquid. Mild odor. |
| <i>Specific Gravity (water=1):</i> | 0.79 |
| <i>Solubility (in water):</i> | complete |
| <i>Vapor Pressure (MM HG):</i> | 32 @ 68 deg F |
| <i>Vapor Density (air=1):</i> | 2.1 |
| <i>Voc</i> | 100% @ 6.51 lb/gal |

Section 10, Stability and reactivity

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| <i>Stability:</i> | Stable |
| <i>Conditions to Avoid:</i> | Heat, sparks, flame and contact with strong oxidizing agents. Do not store or handle in aluminum equipment at temperatures above 120 deg F. |
| <i>Hazardous Decomposition Products:</i> | Carbon monoxide and unidentified organic compounds may be formed during combustion. |
| <i>Hazardous Polymerization:</i> | Will not occur |

Section 11, Toxicological information

Eye Contact: Immediately flush eyes with plenty of water for at least 15 minutes while holding eyelids open. Get medical attention.

Skin Contact: Flush skin with water. If irritation occurs, get medical attention.

Inhalation: Remove victim to fresh air and provide oxygen if breathing is difficult. Get medical attention.

Ingestion: Do not give liquids if victim is unconscious or very drowsy. Otherwise, give no more than 2 glasses of water and induce vomiting by giving 30CC (2 tablespoons) syrup of IPECAC.* If IPECAC is unavailable, give 2 glasses of water and induce vomiting by touching finger to back of victim's throat. Keep victim's head below the hips while vomiting. Get medical attention.

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| <i>Acute Oral LD50:</i> | 5840 MG/KG (Rat) |
| <i>Acute Dermal LD50:</i> | 13000 MG/KG (Rabbit) |
| <i>Acute Inhalation LC50:</i> | 12000 PPM (Rat) - 8 hrs |

Section 12 non mandatory

Section 13 non mandatory

Section 14 non mandatory

Section 15 non mandatory

Section 16 Other information

