

10/21/16

MATERIAL SAFETY DATA SHEET
Updated 05/23/2013

Mi-T-Mist Mouth
Piece Cleaner

8 fl. oz

SECTION 1 - PRODUCT IDENTIFICATION

Manufacturer's Name: Roche-Thomas Corporation
Address: 3162 Cedar Crest Ridge, Dubuque, IA 52003
Emergency Telephone Number: (563) 690-1800
Chemical Name & Synonyms: IPA, Isopropanol, 2-Propanol
Trade Name & Synonyms: Mi-T-Mist
Chemical Family: Alcohol
Formula: Code 31110

SECTION 2A - PRODUCT/INGREDIENT

Isopropyl Alcohol (IPA)
CAS Number: 67-63-0
Percent: 100

SECTION 2B - ACUTE TOXICITY DATA

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

SECTION 3 - HEALTH INFORMATION

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 heart beat 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 4 - EMERGENCY AND FIRST AID PROCEDURES

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 5 - PHYSICAL DATA

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

SECTION 6 - FIRE AND EXPLOSION HAZARDS

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 7 - REACTIVITY

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

SECTION 8 - EMPLOYEE PROTECTION

Respiratory Protection: If exposure may or does exceed occupational exposure limits use a NIOSH-approved respirator to prevent overexposure. In accord with 29 CFR 1910.134 use either an atmosphere-supplying respirator or an air-purifying respirator for organic vapors.
Protective Clothing: Avoid contact with eyes. Wear chemical goggles if there is likelihood of contact with eyes. Avoid prolonged or repeated contact with skin. Wear chemical-resistant gloves and other clothing as required to minimize contact. Test data from published literature and/or glove and clothing manufacturers indicate the best protection is provided by nitrile, neoprene and natural rubber gloves.

Additional Protective Measures:

Use explosion-proof ventilation as required to control vapor concentrations. Eye wash fountains and safety showers should be available for emergency use.

SECTION 9 - ENVIRONMENTAL PROTECTION

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 10 - SPECIAL PRECAUTIONS

Keep liquid and vapor away from heat, sparks and flame. Surfaces that are sufficiently hot may ignite even liquid product in the absence of sparks or flame. Extinguish pilot lights, cigarettes, and turn off other sources of ignition prior to use and until all vapors are gone. Vapors may accumulate and travel to ignition sources distant from the handling site; flash fire can result. Keep containers closed when not in use. Use with adequate ventilation. Containers, even those that have been emptied, can contain explosive vapors. Do not cut, drill, grind, weld or static electricity may accumulate and create a fire hazard. Ground fixed equipment. Bond and ground transfer containers and equipment. Wash with soap and water before eating, drinking, smoking or using toilet facilities. Launder contaminated clothing before reuse. Air-dry contaminated clothing in a well ventilated area before laundering. Do not store or handle in aluminum equipment at temperatures above 120 deg F.

SECTION 11 - TRANSPORTATION REQUIREMENTS

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 12 - OTHER REGULATORY CONTROLS

This product is listed on the EPA/TSCA inventory of chemical substances. Protection of stratospheric ozone (pursuant to Section 611 of the Clean Air Act Amendments of 1990): per 40 CFR part 82, this product does not contain nor was it directly manufactured with any Class I or Class II ozone depleting substances. In accordance with SARA Title III, Section 313, the Environmental Data Sheet (EDS) should always be copied and sent with the MSDS.

SECTION 13 - STATE REGULATORY INFORMATION

The following chemicals are specifically listed by individual states; other product specific health and safety data in other sections of the MSDS may also be applicable for state requirements. For details on your regulatory requirements you should contact the appropriate agency in your state.

State Listed Component: Isopropyl Alcohol (Cas No: 67-63-0)

Percent: 100

State Code: CA, FL, IL, MA, ME, MN, NJ, PA, RI

CA=California Haz. Subst. List; CA65=California Safe Drinking Water and Toxics Enforcement Act List;
FL=Florida Subst. List; IL=Illinois Tox. Subst. List; MA=Massachusetts Subst. List; ME=Maine Haz. Subst. List;
RI=Rhode Island Haz. Subst. List.