

MATERIAL SAFETY DATA SHEET

1. IDENTIFICATION AND GENERAL INFORMATION

P/N#: 1001, 1001-05
 Nomenclature: Personal Safety Equipment Cleaning Pads
 Company Name: Allegro Industries
 Address: 7221 Orangewood Avenue
 Garden Grove, CA 92841
 714-899-9855
 Chemtrac: 800-424-9300

NFPA Code

H 1
 F 3
 R 0
 O None

2. COMPOSITION

Chemical Name: Isopropyl Alcohol
 Chemical Family: Alcohol
 Synonyms: 2-propanol, Isopropanol Alcohol
 Molecular Weight: 60.1
 Molecular Formula: $C_3H_8O/(CH_3)_2CHOH$
Active Ingredient: **Isopropyl Alcohol** **Water**
 CAS Number: 67-63-0 N/A
 Percent: 32.0% 68.0%

3. HAZARDS IDENTIFICATION

Physical Dangers: Highly flammable. Heating will cause rise in pressure with risk of bursting.
 Chemical Dangers: Reacts strong with oxidants.
 Routes of Exposure: The substance can be absorbed into the body by inhalation of its vapor, by inhalation of its aerosol and by ingestion.
 Target Organs: Absorption, inhalation, ingestion.
Health Hazards:
 Inhalation: May cause coughing, dizziness, drowsiness, headache, nausea, sore throat, vomiting.
 Skin Contact: May cause redness.
 Eye Contact: May cause redness, pain, blurred vision.
 Ingestion: May cause dizziness, drowsiness, nausea, sore throat, vomiting.
 Chronic Exposure: Repeated or prolonged contact may cause dermatitis.
 Acute Exposure: The substance irritates the eyes, the skin and the respiratory tract. The substance may cause effects on the central nervous system, resulting in depression. Exposure far above the OEL may result in unconsciousness. The effects may be delayed. Medical observation is indicated.
 Aggravation of Pre-Ex.Cond: None known

4. FIRST AID MEASURES

Inhalation: Remove to fresh air and contact physician if necessary.
 Skin Contact: Remove contaminated clothes. The affected area should be thoroughly washed with soap and water.
 If irritation persists, call a physician.
 Eye Contact: First rinse with plenty of water for several minutes (remove contact lenses if easily possible). Take to a physician
 Ingestion: Do not induce vomiting. Contact a physician or local poison control center immediately

5. FIRE FIGHTING MEASURES

Fire Hazards: Handle as flammable liquid.
 Fire Extinguisher: Dry chemical or alcohol type foam, Carbon Dioxide
 Explosion: In case of fire: keep drums, etc., cool by spraying with water.
 Flash Point: 11.7°C (78° F)
 Volatile (% by volume): N/A
 Exp. Limits (Vol % in air): 2-12 (vol % in air)
 Auto Ignition Temperature: 455° C
 Special Fire Fighting Proc: Handle as flammable liquid.
 PPE for Fire Fighters: Respiratory protection for fire fighting personnel.
 Notes: UEL: 12.7% (200°F) LEL: 2.0%

6. ACCIDENTAL RELEASE MEASURES

Procedure for spill/leak: Evacuate danger area. Collect leaking liquid in sealable containers. Absorb remaining liquid in sand or inert absorbent and remove to safe place.
 Waste Disposal: Dilute, small quantities may be disposed of locally. Large concentrated quantities are handled as flammable waste. Dispose of in accordance with current laws and regulations.

7. HANDLING AND STORAGE

Storage: Keep containers closed when not in use. Do not store near heat. Fireproof cabinet. Avoid sparks and open flames.
 Keep separated from strong oxidants. Keep cool and in a well-ventilated room.
 Self Life: 3 Years
 PPE: Use safety goggles and gloves if handling in large quantities
 Notes: PPE is nor required when handling individual wipe pads.

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8. EXPOSURE CONTROLS

PPE: Use safety goggles and gloves if handling in large quantities.
Inhalation: Coughing, dizziness, drowsiness, headache, nausea, sore throat, vomiting.
If Permissible Exposure Level (PEL) is exceeded, use NIOSH approved respirator.
Skin: If handled in volume use chemical resistant gloves.
Eye: If eye splash is possible wear safety goggles.
Ingestion: Do not ingest. Do not eat or drink when handling.
Ventilation: Local exhaust or breathing protection.
Engineering Controls: None
Work/Hygienic Practices: Use good personal hygiene practices. Limit exposure to product whenever possible. Wash after any contact.
Exposure Limits:
Chemical: Isopropyl Alcohol
TLV (TWA): 400 ppm 983 mg/m³
PEL (OSHA PEL): 400 ppm 980 mg/m³
REL (NIOSH) 400 ppm 980 mg/m³
IDLH (NIOSH) 2000 ppm
Control Parameter: N/A

9. PHYSICAL AND CHEMICAL PROPERTIES

Color/Appearance/Odor White liquid with alcohol odor.
Boiling Point (Deg. C): 183°C
Melting Point (Deg. C): N/A
Specific Gravity (H₂O=1): 0.868-0.878
Refractive Index: N/A
Relative Density (water=1): 0.79
Evaporative Rate: 1
Water Content: 68%
Vapor Density (Air=1): 2.1
Vapor Press. (kPa at 20°C): 4.4
Solubility in Water: Miscible
Notes: Octanol/water partition coefficient as log Pow: <0.28

10. STABILITY AND REACTIVITY

Conditions to avoid: The vapour mixes well with air. Explosive mixtures are easily formed. Flames, sparks.
Materials to avoid: Oxidants, Acetaldehyde, Chlorine, Ethylene, Oxide, Acids, Isocyanates.

11. TOXICOLOGICAL INFORMATION

Health effects: N/A
Oral LD50: N/A
Dermal LD50: N/A
Human Lethal Dose: N/A
Notes: N/A

12. ECOLOGICAL INFORMATION

It is strongly advised not to let the chemical enter the environment.

13. DISPOSAL CONSIDERATIONS

Refer to Federal, State and local regulations.

14. TRANSPORT INFORMATION

Proper shipping name: Pad, Alcohol
Transport Emergency Card: TEC (R) -544
Packing Group: II
UN Number: 1219
Reportable Quantity: N/A

15. REGULATORY INFORMATION

TSCA Registered: No
FDA Approved: N/A
ICSC: 554

16. OTHER INFORMATION

RIFM Approved: N/A FEMA Approved: N/A
RIFM Number: N/A FEMA Number: N/A

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