

SECTION 1 - Identification

Product Identifier: Isopropyl Alcohol (IPA) Free Flowing and Non-Free Flowing

Product Use: Pre-saturation of technical cleaning products for business equipment maintenance.

Manufacturer/Supplier Details: Card Tech International
14B Highland Spring Road
Lewiston, ME USA 04240

Information Phone Number: (877) 317-5215 or (207) 333-3630

E-mail: sfarrar@cardtechintl.com

Emergency Phone Number

Emergency Spills: Call CHEMTREC +1 (800) 424-9300

SDS Date of Preparation: January 2015

SECTION 2 – Hazard(s) Identification

Isopropyl Alcohol (IPA) is a clear liquid with a mild alcohol odor. IPA is used to pre-saturate spunlace, spunlace plastic core cards, foam tip applicators and felt pen barrels. When IPA is added to the materials, it is not free flowing in it's packaging. Free flowing IPA is contained in the felt pen barrel and when the pen cap is removed, a small amount of IPA saturates the felt tip.

Substance Classification

Physical: Flammable Liquid Category 2

Health: Eye Irritant Category 2

Environmental: None

Hazard Symbols:



Danger

Hazard Statements:

H226 Flammable Liquid and Vapor

H319 Causes Serious Eye Irritation

Precautionary Statements:

P210 Keep away from heat, sparks, open flames and hot surfaces. No Smoking.

P264 Wash thoroughly after handling.

P305+ P351+ P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.

P337+ P313 If eye irritation persists: Get medical advice or attention.

Other Hazards: None

SECTION 3 – Composition/Information on Ingredients

Chemical Name: Isopropyl Alcohol

CAS#: 67-63-0

EINECS#: 200-661-7

EU Classification (67/548/EEC): F, R11, Xi, R36, R67

GHS Classification Regulation (EC) NO. 1272/2008
H225 Flammable Liquid and Vapor Category 2
H319 Eye Irritant Category 2
H336 STOT SE Category 3
Concentration: 100 %

SECTION 4 – First Aid Measures

First Aid Instructions

Eye Contact: Immediately rinse cautiously for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. If irritation persists get medical advice or attention.

Skin: If irritation occurs wash area with water. Discontinue use. If irritation persists or if contact has been prolonged obtain medical attention.

Inhalation: Move to fresh air. If irritation develops obtain medical attention.

Ingestion: Not typical for solid products. Do not induce vomiting. Drink plenty of water if transferred by hand to mouth.

Symptoms Acute and Delayed: Eye irritation or skin irritation

Recommendations for immediate medical care and special treatment if necessary:

None under normal circumstances when following directions for use.

SECTION 5 – Fire Fighting Measures

Extinguishing Media

Use water spray or fog, foam, dry chemical or carbon dioxide (CO₂) to extinguish any flames
Advice on specific hazards of any flames

The amount of liquid per container is small therefore the risk of a fire hazard is minimal

Precautions for Firefighters

Firefighters should use standard protective equipment and clothing including self contained breathing apparatus

SECTION 6 – Accidental Release Measures

Personal Precautions

Wear appropriate clothing. Keep away from heat, hot surfaces, sparks and open flames and any ignition sources. No smoking.

Emergency Procedures

Follow local and federal regulations

Methods and materials used for containment

Discard item in appropriate disposal container away and separate from where any ignition sources would be located or discarded

If there is some free flow of liquid, wipe area with paper towels and place in appropriate container as described above

SECTION 7 – Handling and Storage

Precautions for Safe Handling

Avoid contact with eyes and breathing of any vapors. Do not smoke and use away from all ignition sources

Storage

Store in a cool, dry location away from heat sparks and ignition sources. Protect products from physical damage

SECTION 8 – Exposure Controls and Personal Protection

OSHA Control Limits

Isopropyl Alcohol OSHA PEL (ppm) 400, ACGIH TLV (ppm) 400

Engineering Controls

Normal air quality and ventilation

Recommendations for Personal Protective Measures

For skin, face, eyes and respiration, none are required normal use as per directions for use
Any protection requirements

None under normal use conditions. Protective gloves can be worn for prolonged use.

SECTION 9 – Physical and Chemical Properties

Appearance: Clear, colorless liquid

Flammable Limits (% by volume): LEL: N/A, UEL: N/A

Odor: Characteristic of mild alcohol, pungent

Vapor Pressure: 4.3 kpa/32.25 mmHG @ 25°C

Odor Threshold: N/A

Vapor Density (Air=1): 2.07

PH: N/A

Relative Density: N/A

Melting Point/Freezing Point: -89 °C (-128 °F)

Solubility: Soluble in Acetone (Insoluble in salt solutions)

Mixes with water, benzene, chloroform, ethanol, ether, glycerin

Boiling Point: 82°C (180°F)

Flash Point: 12°C (54°F)

Evaporation Rate (Butyl Acetate-1): 2.88

Percent Volatile: 91%

Specific Gravity: 0.81

Auto-ignition: 399°C (750°F)

Release of invisible vapors and gases: Yes

SECTION 10 – Stability and Reactivity

Reactivity: None under normal use and conditions

Chemical Stability: Stable under normal conditions

Hazardous Reactions: Avoid oxidizing agents, aldehydes, ammonia, amines, halogens,
chlorinated compounds, caustics

Conditions to Avoid: Keep away from heat, sparks, open flames, ignition sources –Do not smoke

Incompatible Materials: Same as Hazardous Reactions

Hazardous Decomposition Products: Thermal decomposition may produce Carbon Monoxide

SECTION 11 – Toxicology Information

Information on likely routes of exposure, effects and symptoms

Inhalation: vapors may cause irritation of the upper respiratory tract, headache, dizziness

Ingestion: not typical for this product but would cause gastrointestinal irritation, nausea

Skin Contact: may cause minor irritation, redness, dryness, itching

Eye Contact: Irritation, redness, tearing, stinging

Published records of analysis of Isopropyl Alcohol lethal doses are:

LD50 Oral: Rat 5,045 mg/kg and Rabbit 6,410 mg/kg

LC50: Rat 12,000 ppm/8 hr. and LCLo: Rat 16,000 ppm/4 hr.

Carcinogen Registry: Not listed with by IARC, OSHA, NTP, ACGIH or EU directives

SECTION 12 – Ecological Information

Toxicity: Non free flowing liquid and is not expected to have adverse effects on the environment including aquatics.

Degradability: Biodegradable

Bioaccumulation: Not expected or known

Soil to Ground Water Movement: No Data

Other Adverse Effects: None known

SECTION 13 – Disposal Considerations

Disposal Information: Dispose in accordance with local and national regulations

SECTION 14 – Transport Information

For Non-Free Flowing Isopropyl Alcohol:

US DOT Not Regulated (49 CFR 172.102 Special Provision 47)

EU ADR/RID Not Regulated (Special Provision 216)

IMDG Not Regulated (Special Provision 216)

ICAO Not Regulated (Special Provision A46)

For Free Flowing Isopropyl Alcohol:

	UN Number	UN Proper Shipping Name	Transport Hazard Class	Packing Group	Environmental Hazards
US DOT	UN1219	Isopropyl Alcohol Solution	3	II	None
EU ADR/RID	UN1219	Isopropyl Alcohol Solution	3	II	None
IMDG	UN1219	Isopropyl Alcohol Solution	3	II	None
ICAO	UN1219	Isopropyl Alcohol Solution	3	II	None

Free flowing liquid quantities less than 30 ml can be shipped under the exempted quantity provisions when in packages of less than 0.5 L total free liquid.

Transportation In Bulk according to Annex II of MARPOL 73/78 and IBC Code: NONE

Special precautions for transport or conveyance by user: NONE

SECTION 15 - Regulatory Information

US Regulatory Information:

EPA SARA 311 Hazard Classification: Fire Hazard, Acute Health Hazard

EPA SARA 313: Does not contain chemicals regulated by this Title

CERCLA: These products are not subject to CERCLA reporting. (Report spills as required Under federal, state, and local regulations)

Toxic Substance Control Act: All product components are Listed in the TSCA

California Proposition 65: None (materials for cancer or reproductive harm)

Canadian Regulatory Information:

WHMIS Classification: Flammable Liquid Class B Division 2, Toxic material effects Class D Division 2B

This SDS has been prepared in accordance with the Controlled Products Regulation (CPR)

Canadian Environmental Protection Act: All components are listed in the Canadian Domestic Substances List

SECTION 16 - Other Information

This SDS document was written in accordance with the OSHA Brief Hazard Communication Standard: Safety Data Sheets (OSHA 3514.html). The information provided is based on known regulations, scientific common knowledge from recognized sources and accepted practices for product usage. This information relates only to the products designated herein, and does not relate to usage in combination with any other materials or in any other process.

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