

SMT International, LLC

MATERIAL SAFETY DATA SHEET (MSDS)

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Amtech Isopropanol Alcohol/Deionized Water
SYNONYMS: IPA/Di Wipes

MANUFACTURER: SMT International, LLC
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CHEMICAL NAME: N/A
CHEMICAL FAMILY: N/A
CHEMICAL FORMULA: N/A

REVISION DATE: February 3, 2011
DOCUMENT NAME: MSDS-IPADI Wipes-001

SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

<u>Ingredient</u>	<u>CAS Number</u>	<u>Weight</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>
Isopropanol	67-63-0	70%	400	400
Deionized Water	7732-18-5	30%	NE	NE

SECTION 3: HAZARDS IDENTIFICATION

ROUTES OF ENTRY: Inhalation, Ingestion, Skin/Eye Contact

EYE CONTACT: Liquid may cause slight, temporary irritation with slight temporary corneal injury. Vapors may cause eye irritation.

SKIN CONTACT: Product may cause skin irritation. Repeated or prolonged contact may cause redness with burning, drying, and cracking of skin. This product may be absorbed through the skin.

INHALATION: Major route of exposure. Vapor is heavier than air and can cause suffocation by reducing the available oxygen for breathing. Breathing high concentrations of vapor may cause light-headedness, giddiness, shortness of breath, and/or confusion and may lead to narcosis, cardiac irregularities, unconsciousness or even death.

INGESTION: Harmful if swallowed. Ingestion may cause irritation of the digestive tract. Nausea and vomiting will most likely occur.

CHRONIC: Not established.

CARCINOGENICITY:

OSHA: N/A **ACGIH:** N/A **NTP:** N/A **IARC:** N/A

SECTION 3 NOTES:

SMT International, LLC does not recommend, manufacture, market, or endorse any of its products for human consumption.

SECTION 4: FIRST AID MEASURES

EYES: Flush with plenty of water, contact a physician. If contact lenses can be removed easily, flush eyes without contact lenses.

SKIN: Remove contaminated clothing and wash before reuse. Wash affected area with plenty of warm, soapy water. If irritation persists, seek medical attention.

INGESTION: Call a physician or Poison Control Center immediately. Do not induce vomiting. If conscious and alert, give two glasses of water.

INHALATION: Remove to fresh air. If not breathing, seek immediate medical attention.

SECTION 5: FIRE-FIGHTING MEASURES

FLAMMABLE LIMITS IN AIR: LEL: 2.0 UEL: 12.0
FLASH POINT: 53°F, TCC Method
AUTOIGNITION TEMPERATURE: N/A
EXTINGUISHING MEDIA: Water, Dry chemical, foam, carbon dioxide

SPECIAL FIRE FIGHTING PROCEDURES: Use NIOSH-approved self-contained Breathing Apparatus and full protective clothing if involved in a fire.

UNUSUAL FIRE AND EXPLOSION HAZARDS: This product does not present any unusual fire and explosion hazards.

HAZARDOUS DECOMPOSITION PRODUCTS: Smoke, fumes, and oxides of carbon

SECTION 6: ACCIDENTAL RELEASE MEASURES

ACCIDENTAL RELEASE MEASURES: Ventilate area well and avoid breathing vapors. Pick up paper and place in a sealed container for disposal. Eliminate sources of ignition.

SECTION 6 NOTES:

See Sections 3, 4, and 7 for additional information.

SECTION 7: HANDLING AND STORAGE

HANDLING/STORAGE: Keep containers tightly closed when not in use. Use care to avoid spills. Avoid inhalation of fumes or dust. Avoid contact with eyes, skin, and clothing.

OTHER PRECAUTIONS: Empty containers may retain product residues in vapor, liquid, and/or solid form. All labeled hazard precautions should be observed.

SECTION 7 NOTES:

For industrial use only.
Keep out of reach of children.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

VENTILATION: Provide sufficient mechanical (general and/or local exhaust) ventilation to maintain exposure below TLVs.

RESPIRATORY PROTECTION: If concentrations are over the exposure limit air purifying respirator with Organic Vapor cartridges may be acceptable.

EYE PROTECTION: Use with appropriate safety glasses.

SKIN PROTECTION: Protective gloves and clothing should be worn when handling material. Wash hands thoroughly with soap and water upon leaving the work area.

WORK HYGIENIC PRACTICES: Cosmetics/Food/Drink/Tobacco should not be consumed or used in work areas. Always wash hands after handling material and before applying or using cosmetics/food/drink/tobacco.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE:	Clear water-white liquid
ODOR:	Alcoholic odor
pH as SUPPLIED:	N/A
BOILING POINT:	176°F/80°C
MELTING POINT:	Not established
FREEZING POINT:	Not established
VAPOR PRESSURE (mmHg):	N/A (°F/°C)
VAPOR DENSITY (AIR = 1):	2.1
SPECIFIC GRAVITY (H₂O = 1):	N/A
EVAPORATION RATE:	N/A
SOLUBILITY IN WATER:	100
PERCENT SOLIDS BY WEIGHT:	N/A
PERCENT VOLATILE:	N/A (°F/°C)
VOLATILE ORGANIC COMPOUNDS (VOC):	595
MOLECULAR WEIGHT:	N/A
VISCOSITY:	N/A (°F/°C)

SECTION 10: STABILITY AND REACTIVITY

STABILITY:	Stable
CONDITIONS TO AVOID (STABILITY):	Contact with open flame, heat.
INCOMPATIBILITY (MATERIAL TO AVOID):	Reactive alkali metals, strong acids & bases.
HAZARDOUS DECOMPOSITION/BY-PRODUCTS:	Combustion yields carbon oxides.
HAZARDOUS POLYMERIZATION:	Will not occur

SECTION 11: TOXICOLOGICAL INFORMATION

CARCINOGENICITY: None known
IRRITANCY OF PRODUCT: Not established
SENSITIZATION TO PRODUCT: Not established

SECTION 12: ECOLOGICAL INFORMATION

ENVIRONMENTAL: Not established

SECTION 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: Disposal must be in accordance with Federal, State/Provincial, and Local Regulations.

SECTION 14: TRANSPORT INFORMATION

Transport in accordance with applicable regulations and requirements.

US DOT HAZARDOUS MATERIAL CLASSIFICATION:

Proper Shipping Name: Consumer Commodity ORM-D
Hazard Class: N/A
Packaging Group: N/A
UN Number: N/A
LIMITATIONS: Mark with: "This package conforms to conditions and limitations specified in 49 CFR 173.4"

IMO MATERIAL CLASSIFICATION:

Proper Shipping Name: ISOPROPANOL
Class: 3
UN Number: UN1219
Packaging Group: II
EMS: 3-06
MFAG: 305
Marine Pollutant: N/A
Canadian TDG: N/A
IMDG Page: 3244

The following part numbers are to be shipped as Dangerous Goods in Limited Quantities (ISOPROPANOL).1608-DSP

IATA HAZARDOUS MATERIAL CLASSIFICATION: For domestic shipments only. If shipping international contact Amtech, Inc.

Proper Shipping Name: Consumer Commodity ID8000
Hazard Class: 9
Packing Group: NA
UN Number: ID8000

SECTION 15: REGULATORY INFORMATION

UNITED STATES FEDERAL REGULATIONS: MSDS complies with OSHA Hazard Communication Rule, 29 CFR 1910.1200

CERCLA/SUPERFUND, 40 CFR 117, 302: None of the chemicals are Superfund hazards

SARA SUPERFUND AND REAUTHORIZATION ACT OF 1986 TITLE III:

Section 302: None of the chemicals are Section 302 hazards

Section 311/312: This product is hazardous. It should be reported under the following EPA hazards: Immediate (acute) health hazard & Flammable.

Section 313: None of the chemicals are 313 Toxic Chemicals

TSCA: All substances are TSCA listed.

STATE REGULATIONS:

California Proposition 65: None of the chemicals are on the Proposition 65 list.

INTERNATIONAL REGULATIONS:

Canada WHIMS: No information found

Europe EINECS Numbers: No information found

SECTION 16: OTHER INFORMATION

HMIS Rating: Health=1 Flammability=3 Physical Hazard=0 Personal Protection=X

PREPARATION INFORMATION:

This update supersedes all previously released documents.

DISCLAIMER:

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