



Safety Data Sheet

POWELL PII SMT WIPES

SECTION 1:

IDENTIFICATION

Product Name/Part Number: **PII-SMT-100CAN**
Other Means of Identification/SDS #: **PII-SMT-100CAN**

Product Code: **IPA/DI**
UN/ID No.: **UN1219**

Recommended Use of the Chemical and Restrictions on Use:
Recommended Use: **Cleaning Agent**

Emergency Telephone Number:
Company Phone Number: **425-226-4594**

Details of the Supplier of the Safety Data Sheet
Supplier Address:

POWELL INDUSTRIES, INC.
809 INDUSTRY DRIVE
TUKWILA, WA 98188
PH. 425-226-4594
FX. 425-226-0220

Emergency Telephone (24 hr) INFOTRAC 1-352-323-3500 (International) 1-800-535-5053 (North America)

SECTION 2:

HAZARD(S) IDENTIFICATION

Appearance: **Water Clear Liquid**

Physical State: **Liquid**

Odor: **Characteristic**

Classification:

Serious eye damage/eye irritation	Category 2
Specific target organ toxicity (single exposure)	Category 2
Flammable Liquids	Category 3

Signal Word:

Danger

Hazard Statements:

Causes serious eye irritation
May cause respiratory irritation
May cause drowsiness or dizziness
Highly flammable liquid and vapor



Precautionary Statements - Prevention:

Wash face, hands and any exposed skin thoroughly after handling
Avoid breathing dust/fume/gas/mist/vapors/spray
Use only outdoors or in a well-ventilated area
Keep away from heat/sparks/open flames/hot surfaces - NO smoking
Keep container tightly closed
Ground/bond container and receiving equipment
Use explosion-proof equipment
Take precautionary measures against static discharge
Wear protective gloves/protective clothing/eye protection/face protection
Keep cool

Precautionary Statements - Response

IF IN EYES:	Rinse cautiously with water for several minutes. Remove contact lens, if present and easy to do. Continue rinsing. If eye irritation persists: GET MEDICAL ADVICE/ATTENTION
IF ON SKIN (or hair):	Remove/Take off all contaminated clothing immediately. Rinse skin with water/shower
IF INHALED:	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a poison center or doctor/physician if you feel unwell.
IN CASE OF FIRE:	Use CO2, dry chemical, or foam for extinction

Precautionary Statements - Storage

Store in a well-ventilated place.
Keep container tightly closed.
Store locked up.

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	%
Isopropyl Alcohol	67-63-0	70
DI Water	7732-18-5	30

If Chemical Name/CAS No. is "proprietary" and/or Weight-% is listed as a range, the specific chemical identity and/or percentage of composition has been withheld as a trade secret.

SECTION 4: FIRST AID MEASURES

First Aid Measures:

Eye Contact	Rinse thoroughly with plenty of water, also under the eyelids. If eye irritation persists: Get medical advise/attention.
Skin Contact	Wash off immediately with plenty of water. Take off contaminated clothing. Wash off contaminated clothing before reuse. Call a physician.
Inhalation	Remove to fresh air. If not breathing, give artificial respiration. Call a poison center or doctor/physician if you feel unwell.
Ingestion	Immediately drink 1-2 glasses of milk of water. Get medical attention.

Most Important Symptoms and Effects:

Symptoms	May cause severe eye irritation with reddening and water. Repeated exposure may cause skin dryness or cracking. May cause irritation to the mucous membranes and upper respiratory tract. Ingestion may cause irritation of the gastrointestinal tract, cramps, vomiting or diarrhea. Drowsiness.
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Indication of any Immediate Medical Attention and Special Treatment Needed:

Notes to Physician	Treat symptomatically
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SECTION 5: FIREFIGHTING MEASURES

Suitable Extinguishing Media: Alcohol resistant foam. Carbon dioxide (CO₂). Dry chemical. Water spray (fog).

Unsuitable Extinguishing Media: Not determined

Specific Hazards Arising from the Chemical: Vapors are heavier than air and may travel along ground to ignition sources and flash back.

Protective Equipment and Precautions for firefighters: Wear self-contained breathing apparatus for firefighting if necessary. Use water spray to cool unopened containers.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures:

Personal Precautions: Remove all sources of ignition.
Use personal protective equipment as required.
Use non-sparking tools.
Suppress vapors with water fog.

Methods and Materials for Containment and Cleaning Up:

Methods for Containment: Prevent further leakage or spillage if safe to do so.

Methods for Clean-Up: Contain and collect with an inert absorbent and place into an appropriate container for disposal. Do not use combustible materials, such as saw dust.

SECTION 7: HANDLING AND STORAGE

Precautions for Safe Handling:

Advise on Safe Handling: Wash thoroughly after handling. Use personal protection recommended in Section 8. Avoid breathing vapors and mists. Use only in well ventilated areas. Keep away from heat/sparks/open flames/hot surfaces. - NO smoking. Use spark proof tools and explosion proof equipment. Ground/bond container and receiving equipment. Ground/bond container and receiving equipment. Take precautionary measures against static discharges. Avoid contact with skin and eyes.

Conditions for Safe Storage, including any Incompatibilities:

Storage Conditions: Keep containers tightly closed in a dry, cool and well-ventilated place.
Keep locked up and out of reach of children.

Incompatible Materials: Concentrated nitric and sulfuric acids. Oxidizers. Aldehydes. Halogens. Halogen compounds.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines:

Chemical Name	ACGIH TLV	OSHA PEL	NOISH IDLH
Isopropyl Alcohol	STEL: 400 ppm TWA: 200 ppm	TWA: 400 ppm TWA: 980 mg/m ³ (vacated) TWA: 400 ppm (vacated) TWA: 980 mg/m ³ (vacated) STEL: 500 ppm (vacated) STEL: 1225 mg/m ³	DLH: 2000 ppm TWA: 400 ppm TWA: 980 mg/m ³ STEL: 500 ppm STEL: 1225 mg/m ³

Appropriate Engineering Controls:

Engineering Controls: Eyewash Stations. Showers

Individual Protection Measures, such as Personal Protective Equipment

Eye/Face Protection:	Safety Glasses
Skin and Body Protection:	Chemical resistant protective gloves. Vinyl not recommended.
Respiratory Protection:	Ensure adequate ventilation, especially in confined areas.
General Hygiene Considerations:	Handle in accordance with good industrial hygiene and safety practice.

SECTION 9: PHYSICAL AND CHEMICAL CHARACTERISTICS

Information on Basic Physical and Chemical Properties

Physical State:	Liquid
Appearance:	Water Clear Liquid
Color:	Colorless
Odor:	Characteristic
Odor Threshold:	Not Determined

PROPERTY	VALUES	REMARKS • METHOD
PH	7	Tag Closed Cup (butyl acetate = 1) (Air=1) (1=Water)
Melting Point/Freezing Point	-88.5 °C / -127.3 °F	
Boiling Point/Boiling Range	82 °C / 179 °F	
Flash Point	18 °C / 64 °F	
Evaporation Rate	2.88	
Flammability (Solid, Gas)	n/a-liquid	
Upper Flammability Limits	Not available	
Lower Flammability Limit	Not available	
Vapor Pressure	33 mm Hg	
Vapor Density	2.0	
Specific Gravity	0.88	
Water Solubility	Completely Soluble	
Solubility in other Solvents	Not Determined	
Partition Coefficient	Not Determined	
Auto-ignition Temperature	Will not occur	
Decomposition Temperature	Not Determined	
Kinematic Viscosity	Not Determined	
Dynamic Viscosity	Not Determined	
Explosive Properties	Not Determined	
Oxidizing Properties	Not Determined	

SECTION 10: STABILITY AND REACTIVITY

Reactivity: Not reactive under normal conditions.

Chemical Stability: Stable under recommended storage conditions.

Possibility of hazardous reactions: None under normal processing.

Hazardous Polymerization: Hazardous polymerization does not occur.

Conditions to Avoid: Heat, flames and sparks. Ignition sources.

Incompatible Materials: Concentrated nitric and sulfuric acids. Oxidizers. Aldehydes. Halogens. Halogen compounds.

Hazardous Decomposition Products: None known based on information supplied.

SECTION 11: TOXICOLOGICAL INFORMATION

Information on Likely Routes of Exposure:

Product Information:

Eye Contact	Causes serious eye irritation
Skin Contact	Avoid contact with skin
Inhalation	Avoid breathing vapors or mists
Ingestion	Do not taste or swallow

Component Information:

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Isopropyl Alcohol 67-63-0	=4396 mg/kg (Rat)	=12800 mg/kg (Rat) = 12870 mg/kg (Rabbit)	=72.6 mg/L (Rat) 4 h
DI Water	> 90 mL/kg (Rat)		

Information on Physical, Chemical and Toxicological Effects:

Symptoms: Please see section 4 of this SDS for symptoms

Delayed and Immediate Effects as well as Chronic Effects from Short and Long-Term Exposure:

Carcinogenicity: Not classifiable as a human carcinogen

Chemical Name	ACGIH	IARC	NTP	OSHA
Isopropyl Alcohol 67-63-0		Group 3		X

Legend

IARC (International Agency for Research on Cancer)

Group 3 IARC components are "not classifiable as human carcinogens"

OSHA (Occupational Safety and Health Administration of the US Department of Labor)

X - Present

STOT - Single exposure - May cause respiratory irritation. May cause drowsiness or dizziness.

Numerical Measures of Toxicity: Not determined.

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity: An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

Chemical Name	Algae/Aquatic Plants	Fish	Toxicity to Microorganisms	Crustacea
Isopropyl Alcohol 67-63-0	1000: 96 h Desmodesmus subspicatus mg/L EC50 1000: 72 h Desmodesmus subspacatus mg/L EC50		9640: 96 h Pimephales promelas mg/L LC50 flow- through 11130:96 h Pimephales promelas mg/L LC50 static 1400000: 96/h Lepomis macrochirus µg/L LC50	13299:48 h Daphnia

Persistence and degradability: Not Determined

Bioaccumulative: Not Determined

Mobility: Chemical Name (Isopropyl Alcohol 67-63-0) Partition Coefficient (0.05)

Other adverse effects: Not Determined

SECTION 13: DISPOSAL CONSIDERATIONS

Waste Treatment Methods:

Disposal of Wastes

Disposal should be in accordance with applicable regional, national and local laws and regulations.

Contaminated Packaging

Disposal should be in accordance with applicable regional, national and local laws and regulations.

California Hazardous Waste Status:

Chemical Name	California Hazardous Waste Status
Isopropyl Alcohol 67-63-0	Toxic Ignitable

SECTION 14: TRANSPORTATION

Note:

The shipping description is specific to the container and mode of shipment.

NOTE: packages with inner packagings not over 5 liter/5 kg may be reclassified as a Limited Quantity. Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances.

DOT:

UN/ID No UN1219
Proper Shipping Name: Isopropyl Alcohol Solution
Hazard Class: 3
Packing Group: II

IATA:

UN/ID No UN1219
Proper Shipping Name: Isopropyl Alcohol Solution
Hazard Class: 3
Packing Group: II

IMDG:

UN/ID No UN1219
Proper Shipping Name: Isopropyl Alcohol Solution
Hazard Class: 3
Packing Group: II

SECTION 15: REGULATORY INFORMATION

International Inventories:

Chemical Name	TSCA	DSL	NDSL	EINECS	ELINCS	ENCS	IECSC	KECL	PICCS	AICS
Isopropyl Alcohol	Present	X		Present		Present	X	Present	X	X
DI Water	Present	X		Present			X	Present	X	X

Legend:

TSCA - United States Toxic Substances Control Act Section 8 (b) Inventory

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances.

ENCS - Japan Existing and New Chemical Substances

IECSC - China Inventory of Existing Chemical Substances

KECL - Korean Existing and Evaluated Chemical Substances

PICCS - Philippines Inventory of Chemicals and Chemical Substances

AICS - Australian Inventory of Chemical Substances

US Federal Regulations

SARA 311/312 Hazard Categories:

Acute Health Hazard	Yes
Chronic Health Hazard	No
Fire Hazard	Yes
Sudden Release of Pressure Hazard	No

SARA 313:

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA).
This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

Chemical Name	CAS NO	Weight-%	SARA 313 - Threshold Values %
Isopropyl Alcohol 67-63-0	67-63-0	70	1.0

US State Regulations

US State Right-to-Know

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Isopropyl Alcohol 67-63-0	X	X	X
DI Water 7732-18-5			X

SECTION 16: OTHER INFORMATION

NFPA:	Health Hazards	Flammability	Instability	Special Hazards
	1	3	0	Not Determined
HMIS:	Health Hazards	Flammability	Instability	Special Hazards
	1	3	0	B

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Disclaimer:

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet

Preparation information

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