

Safety Data Sheet (SDS) for IPA Presaturated Wipes ISOWP18

Per OSHA HCS 2012 (29 CFR 1910.1200)

SECTION 1 - IDENTIFICATION

Product Name: IPA Presaturated Wipes

Other Names: Presaturated Wipes

Manufacturer/Supplier Name: United Scientific Supplies, Inc
3055 N Oak Grove Ave, Waukegan, IL 60087 US

Recommended use of the article and restrictions on use: Not Applicable

Emergency phone No.: 1-800-222-1222 (American Association of Poison Control Centers)
1-800-424-9300 (CHEMTREC®)

SECTION 2 - HAZARDS IDENTIFICATION

OSHA/HCS status : This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200)

Classification: FLAMMABLE LIQUIDS - Category 2
FLAMMABLE SOLIDS - Category 1
EYE IRRITATION - Category 2A
Percentage of the mixture consisting of ingredient(s) of unknown toxicity: 27.5%

GHS label elements:

Hazard Pictograms:



Signal Word: Danger
Hazard Statements: Highly flammable liquid and vapor.
Flammable solid.
Causes serious eye irritation.

Precautionary Statements:

Prevention: Wear protective gloves. Wear eye or face protection.
Keep away from heat, hot surfaces, sparks, open flames and other ignition sources.
No smoking.
Use explosion-proof electrical, ventilating, lighting and all material-handling equipment.
Use only non-sparking tools. Take precautionary measures against static discharge.
Keep container tightly closed. Wash hands thoroughly

Response: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
If eye irritation persists: Get medical attention.

Storage: Store in a well-ventilated place. Keep cool.

Disposal: Dispose of contents and container in accordance with all local, regional, national and international regulations.

Hazards not otherwise classified: None known

SECTION 3 - COMPOSITION/INFORMATION ON INGREDIENTS

Substance/ mixture : Mixture		
Other means of identification: Presaturated Wipes		
Ingredient name	%	CAS number
Isopropyl alcohol	≥50 - ≤75	67-63-0

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

SECTION 4 - FIRST AID MEASURES

Description of necessary first aid measures:	
Eye contact:	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention.
Skin contact:	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. Wash clothing before reuse. Clean shoes thoroughly before reuse.
Inhalation:	Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention if adverse health effects persist or are severe. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.
Ingestion:	Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention if adverse health effects persist or are severe. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.
Most important symptoms/effects, acute and delayed:	
Potential acute health effects:	
Eye contact :	Causes serious eye irritation.
Skin contact :	May cause skin irritation.
Inhalation :	Can cause central nervous system (CNS) depression.
Ingestion :	Do not ingest. If swallowed then seek immediate medical assistance.
Over-exposure signs/symptoms:	
Eye contact:	Adverse symptoms may include the following: pain or irritation watering redness
Skin contact:	Adverse symptoms may include the following: irritation redness dryness cracking

SECTION 4 - FIRST AID MEASURES continued

Inhalation: Adverse symptoms may include the following:
 nausea or vomiting
 headache
 dizziness/vertigo
 drowsiness/fatigue
 unconsciousness

Ingestion: Adverse symptoms may include the following:
 central nervous system depression
 Irritating to mouth, throat and stomach.
 Ingestion: Seek medical attention.

Indication of immediate medical attention and special treatment needed, if necessary

Notes to physician : Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

Specific treatments : No specific treatment.

Protection of first-aiders : No action shall be taken involving any personal risk or without suitable training.
 It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.

See toxicological information (Section 11)

SECTION 5 - FIRE FIGHTING MEASURES**Extinguishing media:**

Suitable extinguishing media: Use dry chemical, CO₂, water spray (fog) or foam.

Unsuitable extinguishing media: Do not use water jet.

Specific hazards arising from the chemical:

Highly flammable liquid and vapor.

In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion.

Runoff to sewer may create fire or explosion hazard.

Hazardous thermal decomposition products:

Decomposition products may include the following materials:

carbon dioxide
 carbon monoxide

Special protective actions for fire-fighters:

Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool.

Special protective equipment for fire-fighters:

Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

SECTION 6 - ACCIDENTAL RELEASE MEASURES**Methods and materials for containment and cleaning up:**

Small spill: Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container.
 Dispose of via a licensed waste disposal contractor

Large spill: Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product.
 Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

SECTION 7 - HANDLING AND STORAGE

Precautions for safe handling:	
Protective measures:	Put on appropriate personal protective equipment (see Section 8). Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing vapor or mist. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Do not enter storage areas and confined spaces unless adequately ventilated. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Store and use away from heat, sparks, open flame or any other ignition source. Use explosion-proof electrical ventilating, lighting and material handling) equipment. Use only non-sparking tools. Take precautionary measures against electrostatic discharges. Empty containers retain product residue and can be hazardous. Do not reuse container.
Advice on general occupational hygiene:	Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures
Conditions for safe storage, including any incompatibilities:	Store in accordance with local regulations. Store in a segregated and approved area. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Eliminate all ignition sources. Separate from oxidizing materials. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination

SECTION 8 - EXPOSURE CONTROLS, PERSONAL PROTECTION

Precautions for safe handling:	
Control parameters:	
Occupational exposure limits:	
Ingredient name	Exposure limits
Isopropyl alcohol	<p>ACGIH TLV (United States, 3/2015). STEL: 400 ppm 15 minutes. TWA: 200 ppm 8 hours.</p> <p>NIOSH REL (United States, 10/2013). STEL: 1225 mg/m³ 15 minutes. STEL: 500 ppm 15 minutes. TWA: 980 mg/m³ 10 hours. TWA: 400 ppm 10 hours.</p> <p>OSHA PEL (United States, 2/2013). TWA: 980 mg/m³ 8 hours. TWA: 400 ppm 8 hours.</p> <p>OSHA PEL 1989 (United States, 3/1989). STEL: 1225 mg/m³ 15 minutes. STEL: 500 ppm 15 minutes. TWA: 980 mg/m³ 8 hours. TWA: 400 ppm 8 hours.</p>
Appropriate engineering controls:	Use only with adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. The engineering controls also need to keep gas, vapor or dust concentrations below any lower explosive limits. Use explosion-proof ventilation equipment.

SECTION 8 - EXPOSURE CONTROLS, PERSONAL PROTECTION continued

Environmental exposure controls:	Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.
Individual protection measures:	
Hygiene measures:	Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.
Eye/face protection:	Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: chemical splash goggles.
Skin protection:	
Hand protection:	Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.
Body protection:	Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. When there is a risk of ignition from static electricity, wear antistatic protective clothing. For the greatest protection from static discharges, clothing should include antistatic overalls, boots and gloves.
Other skin protection:	Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
Respiratory protection:	Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Physical state:	Liquid.	Vapor pressure:	26.4 kPa (198 mm Hg) [room temperature]
Appearance: Color:	Colorless	Vapor density:	2.07
Odor:	Alcohol-like.	Relative density:	0.87
Odor threshold:	Not available.	Solubility:	Not available
pH:	Not available	Solubility in water:	Not available
Melting point:	Solidification may start at -88.83°C (-127.9°F)	Partition coefficient (n-octanol/water):	Not available
Boiling point :	82.55°C (180.6°F) (propan-2-ol)	Auto-ignition temperature:	399.05°C (750.3°F) (propan-2-ol)
Flash point (Open cup):	20°C	Decomposition temperature:	Not available
Evaporation rate:	<1 (butyl acetate = 1)	Viscosity:	Not available
Flammability (solid, gas):	Not available.	Flow time (ISO 2431):	Not available
Lower and upper explosive limits:	Not available.		

SECTION 10 - STABILITY AND REACTIVITY

Reactivity:	No specific test data related to reactivity available for this product or its ingredients.
Chemical stability:	The product is stable.
Possibility of hazardous reactions:	Under normal conditions of storage and use, hazardous reactions will not occur.
Conditions to avoid:	Avoid all possible sources of ignition (spark or flame). Do not pressurize, cut, weld, braze, solder, drill, grind or expose containers to heat or sources of ignition.
Incompatible materials:	Reactive or incompatible with the following materials: oxidizing materials
Hazardous decomposition products:	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11 - TOXICOLOGICAL INFORMATION

Information on toxicological effects:					
Acute toxicity:					
Product/ingredient name	Result	Species	Dose	Exposure	
Isopropyl alcohol	LD50 Dermal	Rabbit	12800 mg/kg	-	
	LD50 Oral	Rat	5000 mg/kg	-	
Irritation/Corrosion:					
Product/ingredient name	Result	Species	Score	Exposure	Observation
Isopropyl alcohol	Eyes - Moderate irritant	Rabbit	-	24 hours 100 mg	-
	Eyes - Moderate irritant	Rabbit	-	10 mg	-
	Eyes - Severe irritant	Rabbit	-	100 mg	-
	Skin - Mild irritant	Rabbit	-	500 mg	-
Sensitization:	Not available				
Mutagenicity:	Not available				
Carcinogenicity:	Not available				
Classification:					
Product/ingredient name	OSHA	IARC	NTP		
Isopropyl alcohol	-	3	-		
Reproductive toxicity:	Not available				
Teratogenicity:	Not available				
Specific target organ toxicity (single exposure):	Not available				
Specific target organ toxicity (repeated exposure):	Not available				
Aspiration hazard:	Not available				
Information on the likely routes of exposure:	Not available				

SECTION 11 - TOXICOLOGICAL INFORMATION - continued

Potential acute health effects:

- Eye contact:** Causes serious eye irritation.
- Inhalation:** Can cause central nervous system (CNS) depression.
- Skin contact:** May cause skin irritation.
- Ingestion:** Do not ingest. If swallowed then seek immediate medical assistance.

Symptoms related to the physical, chemical and toxicological characteristics:

- Eye contact:** Adverse symptoms may include the following:
 pain or irritation
 watering
 redness
- Inhalation:** Adverse symptoms may include the following:
 nausea or vomiting
 headache
 dizziness/vertigo
 drowsiness/fatigue
 unconsciousness
- Skin contact:** Adverse symptoms may include the following:
 irritation
 redness
 dryness
 cracking
- Ingestion:** Adverse symptoms may include the following:
 central nervous system depression
 irritating to mouth, throat and stomach.
 ingestion: Seek medical attention

Delayed and immediate effects and also chronic effects from short and long term exposure:

- Short term exposure:**
 - Potential immediate effects:** Not available
 - Potential delayed effects:** Not available
- Long term exposure:**
 - Potential immediate effects:** Not available
 - Potential delayed effects:** Not available

- Potential chronic health effects:** Not available
- General:** No known significant effects or critical hazards.
- Carcinogenicity:** No known significant effects or critical hazards
- Mutagenicity:** No known significant effects or critical hazards
- Teratogenicity:** No known significant effects or critical hazards
- Developmental effects:** No known significant effects or critical hazards
- Fertility effects:** No known significant effects or critical hazards

Numerical measures of toxicity:
Acute toxicity estimates:

Route	ATE value
Oral	5178.6 mg/kg



SECTION 12 - ECOLOGICAL INFORMATION

Ecotoxicity:			
Product/ingredient name	Result	Species	Exposure
Isopropyl alcohol	Acute LC50 1400000 to 1950000 µg/l Marine water	Crustaceans - Crangon crangon	48 hours
	Acute LC50 4200 mg/l Fresh water	Fish - Rasbora heteromorpha	96 hours
Persistence and degradability: Not available			
Bioaccumulative potential:			
Product/ingredient name	LogP _{ow}	BCF	Potential
Isopropyl alcohol	0.05	-	low
Mobility in soil:			
Soil/water partition coefficient (K_{oc}):		Not available	
Other adverse effects: No known significant effects or critical hazards.			

SECTION 13 - DISPOSAL CONSIDERATIONS

Disposal methods:	<p>The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions, and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements.</p> <p>Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction.</p> <p>Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Vapor from product residues may create a highly flammable or explosive atmosphere inside the container. Do not cut, weld or grind used containers unless they have been cleaned thoroughly internally.</p> <p>Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.</p>
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SECTION 14 - TRANSPORTATION INFORMATION

	DOT Classification	TDG Classification	Mexico Classification	ADR/RID	IMDG	IATA
UN number	-	ID8000	ID8000	3175	3175	095 Not acceptable for transport by aircraft.
UN proper shipping name	Consumer commodity	Consumer commodity ID8000	Consumer commodity ID8000	Solids containing FLAMMABLE LIQUIDS, N.O.S. Isopropanol or Isopropyl alcohol	Solids containing FLAMMABLE LIQUIDS, N.O.S. Isopropanol or Isopropyl alcohol	NOT TO BE SHIPPED BY AIR
Transport hazard class(es)	ORM-D	-	-	4.1 	4.1 	-
Packing group	-	-	-	II	II	-

SECTION 14 - TRANSPORTATION INFORMATION - continued

	DOT Classification	TDG Classification	Mexico Classification	ADR/RID	IMDG	IATA
Environmental hazards	No	No	No	No	No	-
Additional information	-	Product classified per the following sections of the Transportation of Dangerous Goods Regulations: 2.20-2.22 (Class 4).	-	-	Limited quantity	095 Not acceptable for transport by aircraft.

Special precautions for user:**Transport within user's premises:**

Always transport in closed containers that are upright and secure.
Ensure that persons transporting the product know what to do in the event of an accident or spillage.

Transport in bulk according to Annex II of MARPOL and the IBC Code: Not available.

SECTION 15 - REGULATORY INFORMATION**U.S. Federal regulations:**

TSCA 8(a) CDR Exempt/Partial exemption:	Not determined
United States inventory (TSCA 8b):	All components are listed or exempted.
Clean Air Act Section 112(b) Hazardous Air Pollutants (HAPs):	Not listed
Clean Air Act Section 602 Class I Substances:	Not listed
Clean Air Act Section 602 Class II Substances:	Not listed
DEA List I Chemicals (Precursor Chemicals):	Not listed
DEA List II Chemicals (Essential Chemicals):	Not listed
SARA 302/304:	
Composition/information on ingredients:	Not applicable.
SARA 304 RQ:	No products were found.
SARA 311/312 Classification:	Fire hazard Immediate (acute) health hazard
Composition/information on ingredients:	

Name	%	Fire hazard	Sudden release of pressure	Reactive	Immediate (acute) health hazard	Delayed (chronic) health hazard
Isopropyl alcohol	≥50 - ≤75	Yes.	No.	No.	Yes.	No.

SARA 313:

	Product name	CAS number	%
Form R Reporting requirements	Isopropyl alcohol	67-63-0	≥50 - ≤75
Supplier notification	Isopropyl alcohol	67-63-0	≥50 - ≤75

SARA 313 notifications must not be detached from the SDS and any copying and redistribution of the SDS shall include copying and redistribution of the notice attached to copies of the SDS subsequently redistributed.

State regulations:**The following components are listed:**

Massachusetts:	ISOPROPYL ALCOHOL; 2-PROPANOL
New York :	None
New Jersey :	ISOPROPYL ALCOHOL; 2-PROPANOL
Pennsylvania :	ISOPROPYL ALCOHOL MANUFACTURE (STRONG-ACID PROCESS)

SECTION 15- REGULATORY INFORMATION - continued

International regulations:	
Chemical Weapon Convention List Schedules I, II & III Chemicals:	Not listed
Montreal Protocol (Annexes A, B, C, E):	Not listed.
Stockholm Convention on Persistent Organic Pollutants:	Not listed.
Rotterdam Convention on Prior Informed Consent (PIC):	Not listed.
UNECE Aarhus Protocol on POPs and Heavy Metals:	Not listed.
International lists:	
National inventory:	
Australia:	All components are listed or exempted.
Canada:	All components are listed or exempted.
China:	All components are listed or exempted.
Europe:	All components are listed or exempted.
Japan: Japan inventory (ENCS):	All components are listed or exempted.
Japan inventory (ISHL):	Not determined.
Republic of Korea:	All components are listed or exempted.
Malaysia:	All components are listed or exempted.
New Zealand:	All components are listed or exempted.
Philippines:	All components are listed or exempted.
Taiwan:	All components are listed or exempted.
Turkey:	Not determined

SECTION 16- OTHER INFORMATION

Hazardous Material Information System (U.S.A.):	
Health	* 1
Flammability	3
Physical hazards	1
<p>Caution: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. HMIS® ratings are to be used with a fully implemented HMIS® program. HMIS® is a registered mark of the National Paint & Coatings Association (NPCA). HMIS® materials may be purchased exclusively from J. J. Keller (800) 327-6868. The customer is responsible for determining the PPE code for this material.</p>	

Key to abbreviations:

- ATE = Acute Toxicity Estimate
- BCF = Bioconcentration Factor
- GHS = Globally Harmonized System of Classification and Labelling of Chemicals
- IATA = International Air Transport Association
- IBC = Intermediate Bulk Container
- IMDG = International Maritime Dangerous Goods
- LogP_{ow} = logarithm of the octanol/water partition coefficient
- MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. (“Marpol” = marine pollution)
- UN = United Nations

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