

## IPA Surface Cleaner

### 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

**Identification**

Product Name IPA Surface Cleaner  
Other Means of Identification Propan-2-ol; Isopropanol; Isopropyl Alcohol

**Recommended use of the chemical and restrictions on use**

Recommended use Solvent for Industrial use; Laboratory; Cleaning Agent; Coatings; Adhesives; Blending and packing of mixtures; Process chemical; Distribution of substance; Manufacture of substance  
Restrictions on use Anything other than the above

**Details of the supplier of the safety data sheet**

Supplier Heskins LLC  
Address of Supplier POBox 559  
Butler  
PA, 16029  
USA

Telephone 724 256 8359

**Emergency telephone number**

724 256 8359  
Monday - Friday 09:00 – 17:00  
Languages spoken English

### 2. HAZARDS IDENTIFICATION

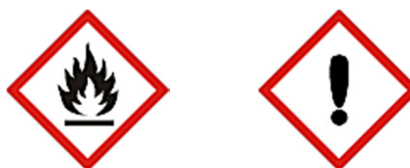
**Hazard classification under 29 CFR 1910.1200(d)**

Physical hazards Flammable Liquid Category 2  
Health hazards Eye Irritation Category 2  
Specific Target Organ Toxicity Single Exposure Category 3  
Environmental hazards Not classified

**Percent of the mixture consists of ingredient(s) of unknown acute toxicity:** 0%

**Label elements under 29 CFR 1910.1200(f)**

Hazard Symbol



Signal Word(s)

Danger

Hazard Statement(s)

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

Precautionary Statement(s)

**Prevention**

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

**Response**

Wear protective gloves/protective clothing/eye protection/face protection.  
IF INHALED: Remove victim to fresh air and keep at rest in a position

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**Storage**  
**Disposal**

comfortable for breathing.  
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
In case of fire: Use for extinction: CO<sub>2</sub>, powder or water spray.  
Store in a well-ventilated place. Keep container tightly closed.  
Dispose of contents/container in accordance with national or local regulations.

**Other hazards**

Not classified as PBT or vPvB.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

**Substances**

Chemical identity of the substance	CAS No.	%W/W
Propan-2-ol	67-63-0	100

### 4. FIRST-AID MEASURES



**Description of first aid measures**

General information

Get medical advice/attention if you feel unwell. If medical advice is needed, have product container or label at hand.

Inhalation

Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist. In case of unconsciousness place patient stably in side position for transportation, seek immediate medical advice.

Skin Contact

Repeated skin contact may result in irritation and dermatitis. Always wear protective gloves suitable for this product. Immediately wash with water and soap and rinse thoroughly. Remove contaminated clothing.

Eye Contact

Rinse opened eye for at least 15 minutes under clean running water. Remove contact lenses if possible. Seek immediate medical advice. Continue to irrigate the eye with clean water.

Ingestion

Do NOT induce vomiting; rinse mouth with water, call for medical help immediately. Rinse out mouth and then drink plenty of water.

**Most important symptoms and effects, both acute and delayed**

The severity of the symptoms described will vary dependent on the concentration and the length of exposure.

**Inhalation** Vapours may cause headache, fatigue, dizziness and nausea.

**Ingestion** May cause discomfort if swallowed. May cause stomach pain or vomiting.

**Eye contact** May cause temporary eye irritation.

**Indication of any immediate medical attention and special treatment needed**

No specific recommendations. If in doubt, get medical attention promptly.

### 5. FIRE-FIGHTING MEASURES

**General Fire Hazards**

Not combustible.

**Extinguishing media**

Suitable Extinguishing Media

CO<sub>2</sub>, powder or water spray. Fight larger fires with aqueous film forming foam (AFFF). Cool containers with water spray.

Unsuitable Extinguishing Media

Direct water jet may spread the fire.

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**Special hazards arising from the substance or mixture**

Combustion may cause toxic fumes. Carbon monoxide, Carbon dioxide.

**Special protective equipment and precautions for fire fighters**

Fire fighters should wear complete protective clothing including self-contained breathing apparatus. Do not breathe fumes. Keep containers cool by spraying with water if exposed to fire. Collect contaminated firefighting water separately. Avoid run off to waterways and sewers.

### 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions, protective equipment and emergency procedures**

Wear protective clothing as described in Section 8 of this safety data sheet. Keep unprotected persons away.

**Methods and material for containment and cleaning up**

Stop leak if safe to do so. Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Ensure adequate ventilation. Send for recovery or disposal in suitable receptacles - may need to be UN approved. Blanket spillage with AFFF Foam Spray to seal from sources of ignition as a precautionary measure.

**Environmental precautions**

Dilute with plenty of water. Do not discharge into drains or watercourses or onto the ground.

**Reference to other sections**

See Section: 8, 13.

### 7. HANDLING AND STORAGE

**Precautions for safe handling**

Good personal hygiene procedures should be implemented. Avoid inhalation, ingestion and contact with skin and eyes. Wash hands and any other contaminated areas of the body with soap and water before leaving the work site. Keep ignition sources away - no naked sparks/flames/fires. Ensure electrical equipment is protected to correct. Protect against electrostatic charges. Where required - ensure bonding and earthing of containers and process equipment. Static generation and accumulation may be increased when using fine filters, strainers, mixing with powders and immiscible liquids, high energy/speed mixers. Take extra precautions. Allow static relaxation time for charges to dissipate before next steps. Do not splash fill. Do not spray onto a naked flame, hot surfaces, electrical switchgear, live/battery connected electrics, or near to any potential sources of ignition. Flammable gas-air mixtures may form in empty receptacles. Wear shoes with conductive soles.

**Conditions for safe storage, including any incompatibilities**

Store in original container. Keep in properly labelled containers. Provide solvent resistant, sealed floor. Prevent any seepage into the ground. Provide ventilation for receptacles. Use only receptacles specifically permitted for this substance/product. Only store in suitable banded storage areas. Do not store plastic IBC's with metal drums of other flammable substances. Do not store together with alkalis (caustic solutions). Store away from oxidizing agents.

Storage temperature

Store in a cool/low-temperature, well-ventilated (dry) place.

Storage life

Store Between 41°F - 77°F.

Incompatible materials

Stable under normal conditions.

Unsuitable containers: Aluminium.

### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Control parameters**

**Occupational Exposure Limits**

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Substance identity	CAS No.	OSHA	ACGIH 8-hour TWA		NIOSH up to 10-hour			Notes
		PEL	TLV	STEL	REL	STEL	IDLH	
Isopropyl alcohol	67-63-0	400 ppm 980 mg/m <sup>3</sup>	200 ppm	400 ppm	400 ppm	500 ppm	-	-

**Biological limit value**

Not established.

**PNECs and DNELs**

Not established.

**Appropriate engineering controls**

Use adequate ventilation and/or engineering controls in high temperature processing and confined areas to prevent exposure to vapors. Observe any occupational exposure limits for the substance.

**Individual protection measures, such as personal protective equipment (PPE)**

General information

Use engineering controls to reduce air contamination to permissible exposure level. Keep away from foodstuffs, beverages and feed. Immediately remove all soiled and contaminated clothing. Wash hands before breaks and at the end of work. Avoid contact with the eyes and skin. Avoid alcohol consumption while working with the product.

Eye/face protection

Tightly sealed goggles. Recommended: EN166.

Skin protection

**Hands**

Solvent resistant gloves. Use gloves approved to BS EN 374 : Protective Gloves against Chemicals. Chemical Resistant Gloves, class 4 or higher for prolonged exposure. The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.

**Body**

Wear appropriate clothing to prevent any possibility of skin contact.

Respiratory protection

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device. Recommended: Filter AX.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

**Information on basic physical and chemical properties**

**Appearance**

Liquid. Colorless (Aged product may darken depending upon storage conditions and time period).

**Odor**

Alcohol-like.

**Odor threshold**

Not available.

**pH**

Neutral.

**Melting point/freezing point**

-128.2°F.

**Initial boiling point and boiling range**

179.6°F.

**Flash point**

55.4°F.

**Evaporation rate**

Not available.

**Flammability (solid, gas)**

Not applicable.

**Upper/lower flammability or explosive limits**

Lower: 2 Vol%.  
Upper: 12 Vol%.

**Vapor pressure**

43hPa @ 68°F.



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Revision date: not applicable

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ACCORDING TO  
OSHA HCS (29 CFR 1910.1200)

Vapor density	Not available.
Bulk Density	0.785g/cm <sup>3</sup> .
Solubility(ies)	Miscible with water.
Partition coefficient: n-octanol/water	Not available.
Auto-ignition temperature	797°F.
Decomposition Temperature	Not available.
Viscosity	2.43mPa s @ 68°F.

### 10. STABILITY AND REACTIVITY

Reactivity	Stable under normal conditions.
Chemical stability	Stable under normal conditions.
Possibility of hazardous reactions	Hazardous polymerization will not occur.
Conditions to avoid	Avoid alkalis (caustic solutions) and oxidizing agents.
Incompatible materials	Keep away from: Aluminum.
Hazardous decomposition product(s)	Combustion may cause toxic fumes. Carbon monoxide, Carbon dioxide.

### 11. TOXICOLOGICAL INFORMATION

<b>Information on likely exposure routes</b>	
Inhalation	May cause drowsiness or dizziness by inhalation of vapor.
Ingestion	Based on available data, the classification criteria are not met.
Skin Contact	Prolonged contact may result in mild skin irritation.
Eye Contact	Causes serious eye irritation.

#### Information on toxicological effects (Substances in preparations / mixtures)

<b>Acute toxicity</b>	
Oral	Based on available data, the classification criteria are not met.
Dermal	Based on available data, the classification criteria are not met.
Inhalation	Based on available data, the classification criteria are not met. LC50 (inhalation, rat) mg/l/4h: 30.
<b>Skin corrosion/irritation</b>	Based on available data, the classification criteria are not met.
<b>Serious eye damage/irritation</b>	Eye Irrit. 2; H319.
<b>Respiratory or skin sensitization</b>	Based on available data, the classification criteria are not met.
<b>Germ cell mutagenicity</b>	Based on available data, the classification criteria are not met.
<b>Carcinogenicity</b>	Based on available data, the classification criteria are not met.
<b>Reproductive toxicity</b>	Based on available data, the classification criteria are not met.
<b>STOT - single exposure</b>	STOT SE 3; H336.
<b>STOT - repeated exposure</b>	Based on available data, the classification criteria are not met.
<b>Aspiration hazard</b>	Based on available data, the classification criteria are not met.

<b>Other information</b>	
NTP Report on Carcinogens	Not listed.
IARC Monographs	Not listed.

### 12. ECOLOGICAL INFORMATION

Ecotoxicity	Non-toxic to aquatic life.
Persistence and degradability	The product is unlikely to persist in the environment.
Bioaccumulative potential	The product has no potential for bioaccumulation.
Mobility in soil	No data available.
Results of PBT and VPVB assessment	Not classified as PBT or vPvB.
Other adverse effects	None known.

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### 13. DISPOSAL CONSIDERATIONS

**Waste treatment methods**

Must not be disposed together with household refuse, do not allow product to reach sewage system. Disposal of unused product may be subject to RCRA hazardous waste regulations (40 CFR Part 261). State or local laws may impose additional regulatory requirements regarding disposal. Waste characterizations and compliance with applicable laws are the responsibility solely of the waste generator.

**Contaminated packaging**

Empty containers may contain flammable vapors and can be hazardous. See section 5 for fire and explosion hazard data. Dispose of empty packaging in an approved waste disposal facility in accordance with local and national regulations.

### 14. TRANSPORT INFORMATION

	ADR/RID	IMDG	IATA/ICAO
UN number	1219	1219	1219
Proper Shipping Name		ISOPROPANOL (ISOPROPYL ALCOHOL)	
Hazard Class	3	3	3
Packing group	II	II	II
Environmental hazards	Not classified.	Not classified as a Marine Pollutant.	Not classified.
Special precautions for user	<b>EmS:</b> F-E, S-D.		
Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not applicable.	Not applicable.	Not applicable.
Additional Information			
Special Provisions	601		
Limited Quantity	1 L		
Tunnel Restriction Code	2 (D/E)		
Hazard Identification Number	33		

### 15. REGULATORY INFORMATION

**Safety, health and environmental regulations/legislation specific for the substance or mixture**

**US Federal Regulations**

TSCA Inventory Status : All chemicals in this product comply with TSCA rules and regulations including TSCA Section 5 (Inventory Rules).  
IARC, NTP, OSHA, ACGIH do not list this product or any components thereof as known or suspected carcinogen.

**US State Regulations**

California Proposition 65  
California State Safer Consumer Products Regulations – Isopropyl alcohol.  
Candidate Chemicals List  
New Jersey State Worker and Community Right to Know Hazardous Substances List.

Not listed.  
Isopropyl alcohol.  
Isopropyl alcohol.

**Chemical Safety Assessment**

Not available.

### 16. OTHER INFORMATION

The following sections contain revisions or new statements: 1-16.

Version: 1.0      Compilation Date: 18.09.2015      New SDS

This Safety Data Sheet was prepared in accordance with OSHA HCS (29 CFR 1910.1200)



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ACCORDING TO  
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**References** Safety Data Sheets for ingoing ingredients.

### Legend

ACGIH	American Conference of Governmental Industrial Hygienists
CFR	Code of Federal Regulations
DNEL	Derived No Effect Level
IARC	International Agency for Research on Cancer
LTEL	Long Term Exposure Limit
NIOSH	National Institute for Occupational Safety and Health
NTP	National Toxicology Program
OECD	Organization for Economic Cooperation and Development
OSHA	Occupational Safety and Health Standards
PBT	Persistent, Bioaccumulative and Toxic
PEL	Permissible Exposure Limit
PNEC	Predicted No Effect Concentration
STEL	Short Term Exposure Limit
TLV	Threshold Limit Value
TSCA	Toxic Substance Control Act
vPvB	very Persistent and very Toxic

Training advice: Consideration should be given to the work procedures involved and the potential extent of exposure as they may determine whether a higher level of protection is required.

### Disclaimers

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### Annex to the extended Safety Data Sheet (eSDS)

Not available.