

Section 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product Identifier

SDS # 47212-EU
Product Code 47212
Product Name SLIDE IPA ISOPROPYL ALCOHOL CLEANER
Formulation 60354

1.2. Relevant Identified Uses of the Substance or Mixture and Uses Advised Against

Recommended Use Industrial mold cleaner

1.3. Details of the Supplier of the Safety Data Sheet

Supplier

Slide Products Inc.
430 S. Wheeling Road
Wheeling, IL 60090

For further information, please contact

Contact Point Slide Products: 1-847-541-7220
Email Address info@slideproducts.com

1.4. Emergency telephone number

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

Section 2: HAZARDS IDENTIFICATION

2.1. Classification of the Substance or Mixture

Regulation (EC) No 1272/2008

Serious eye damage/eye irritation	Category 2
Specific target organ toxicity (single exposure)	Category 3
Flammable Aerosols	Category 1

Classification according to 67/548/EEC

Full text of R-phrases: see section 16

Hazard Symbols

Xi - Irritant
F+ - Extremely flammable

R-code(s)

F+;R12 - Xi;R36 - R67

2.2. Label Elements

Labeling according to Regulation (EC) No. 1272/2008 [CLP].

**Signal Word**

Warning

Hazard Statements

H319 - Causes serious eye irritation

H336 - May cause drowsiness or dizziness

H222 - Extremely flammable aerosol

H229 - Pressurized container: May burst if heated

Precautionary Statements - EU (§28, 1272/2008)

P410 + P412 - Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F

P210 - Keep away from heat/sparks/open flames/hot surfaces. — No smoking

P251 - Pressurized container: Do not pierce or burn, even after use

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/attention

P304 + P340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing

P312 - Call a POISON CENTER or doctor if you feel unwell

2.3. Other Hazards**General Hazards**

None known

Section 3: COMPOSITION/INFORMATION ON INGREDIENTS**3.2. Mixtures**

Chemical Name	EC No	CAS No	Weight-%	Classification according to 67/548/EEC	Classification according to Regulation (EC) No. 1272/2008 [CLP]	REACH Registration Number
Isopropyl Alcohol	Present	67-63-0	70-80	F; R11 Xi; R36 R67	Eye Irrit. 2 (H319) STOT SE 3 (H336) Flam. Liq. 2 (H225)	Not determined
1,1 difluoroethane	Present	75-37-6	30-40	F+; R12	Liq. Gas (H280) Flam. Gas 1 (H220)	Not determined

Full text of R-phrases: see section 16**Full text of H- and EUH-phrases: see section 16****Additional Information**

Substances which do not meet the criteria for classification are included in order to provide full disclosure of the product

Section 4: FIRST AID MEASURES

4.1. Description of First Aid Measures

Eye Contact	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
Skin Contact	Wash with soap and water. If symptoms persist, call a physician.
Inhalation	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Provide oxygen if needed. Call a poison center or doctor/physician if you feel unwell.
Ingestion	Do not induce vomiting. Give a glass of water or milk. Call a physician.

4.2. Most Important Symptoms and Effects, Both Acute and Delayed

Symptoms	Causes serious eye irritation. May cause drowsiness or dizziness. Irritating to the mouth, throat and stomach. Headache. Nausea. Decreased blood pressure. Defatting and drying of the skin, allergic reactions are possible.
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4.3. Indication of any Immediate Medical Attention and Special Treatment Needed

Notes to Physician	Treat symptomatically.
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Section 5: FIRE-FIGHTING MEASURES

5.1. Extinguishing Media

Suitable Extinguishing Media

Carbon dioxide (CO₂). Foam. Dry chemical. Water spray (fog).

Unsuitable Extinguishing Media

Not determined.

5.2. Special Hazards Arising from the Substance or Mixture

Aerosols may rupture violently at temperatures above 120 F. Very flammable. Vapors may become explosive with accumulation.

Hazardous Combustion Products

Carbon monoxide. Carbon dioxide (CO₂).

5.3. Advice for Firefighters

Wear self-contained breathing apparatus and protective suit. Use personal protective equipment as required.

Section 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal Precautions, Protective Equipment and Emergency Procedures

Personal Precautions

Use personal protective equipment as required.

For Emergency Responders

Use personal protection recommended in Section 8.

6.2. Environmental Precautions

Collect spillage.

6.3. Methods and Material for Containment and Cleaning Up

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

Methods for Clean-Up Remove leaking container to outside disposal site.

6.4. Reference to Other Sections

See Section 13: DISPOSAL CONSIDERATIONS.

Section 7: HANDLING AND STORAGE

7.1. Precautions for Safe Handling

Advice on Safe Handling

Wash face, hands, and any exposed skin thoroughly after handling. Wear eye/face protection. 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. Do not spray on an open flame or other ignition source. Pressurized container: Do not pierce or burn, even after use.

General Hygiene Considerations

Handle in accordance with good industrial hygiene and safety practice.

7.2. Conditions for Safe Storage, Including any Incompatibilities

Storage Conditions

Store locked up. Store in a well-ventilated place. Keep container tightly closed. Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122°F.

7.3. Specific End Use(s)

Specific Use(s)

Industrial mold cleaner.

Risk Management Methods (RMM)

The information required is contained in this Safety Data Sheet.

Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control Parameters

Exposure Limits

Chemical Name	European Union	United Kingdom	France	Spain	Germany
Isopropyl Alcohol 67-63-0		STEL: 500 ppm STEL: 1250 mg/m ³ TWA: 400 ppm TWA: 999 mg/m ³	STEL: 400 ppm STEL: 980 mg/m ³	STEL: 400 ppm STEL: 1000 mg/m ³ TWA: 200 ppm TWA: 500 mg/m ³	TWA: 200 ppm TWA: 500 mg/m ³ Ceiling / Peak: 400 ppm Ceiling / Peak: 1000 mg/m ³
Component	Italy	Portugal	Netherlands	Finland	Denmark
Isopropyl Alcohol 67-63-0 (70-80)		STEL: 400 ppm TWA: 200 ppm		TWA: 200 ppm TWA: 500 mg/m ³ STEL: 250 ppm STEL: 620 mg/m ³	TWA: 200 ppm TWA: 490 mg/m ³
Chemical Name	Austria	Switzerland	Poland	Norway	Ireland
Isopropyl Alcohol 67-63-0	STEL 800 ppm STEL 2000 mg/m ³ TWA: 200 ppm TWA: 500 mg/m ³	STEL: 400 ppm STEL: 1000 mg/m ³ TWA: 200 ppm TWA: 500 mg/m ³	STEL: 1200 mg/m ³ TWA: 900 mg/m ³ Skin	TWA: 100 ppm TWA: 245 mg/m ³ STEL: 150 ppm STEL: 306.25 mg/m ³	TWA: 200 ppm STEL: 400 ppm Skin

8.2. Exposure Controls

Engineering Controls Provide adequate ventilation. Eyewash stations. Showers.

Personal Protective Equipment

Eye/Face Protection Safety glasses should always be worn in an industrial operation.
Hand Protection Protective gloves are not required, but recommended.
Skin and Body Protection Suitable protective clothing.
Respiratory Protection Provide adequate ventilation.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES**9.1. Information on Basic Physical and Chemical Properties**

Physical State	Aerosol	Odor	Not determined
Appearance	Clear liquid in an aerosol	Odor Threshold	Not determined
Color	Clear		

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
pH	Not determined	
Melting Point/Freezing Point	Not determined	
Boiling Point/Boiling Range	70.6 °C / 159 °F	
Flash Point	Not available	
Evaporation Rate	Faster than ether	
Flammability (Solid, Gas)	Not determined	
Flammability Limits in Air		
Upper Flammability Limits	7.5%	
Lower Flammability Limit	1.2%	
Vapor Pressure	137 mm Hg	@ 21 ° C (70 ° F)
Vapor Density	Heavier than air	
Relative Density	0.6587	(Water = 1)
Water Solubility	None	
Solubility(ies)	Not determined	
Partition Coefficient	Not determined	
Auto-ignition Temperature	Not determined	
Decomposition Temperature	Not determined	
Kinematic Viscosity	Not determined	
Dynamic Viscosity	Not determined	
Explosive Properties	Not determined	
Oxidizing Properties	Not determined	

9.2. Other information

VOC Content (%) 100%

Section 10: STABILITY AND REACTIVITY**10.1. Reactivity**

Not reactive under normal conditions.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of Hazardous Reactions**Hazardous Polymerization**

Under normal conditions of storage and use, hazardous polymerization will not occur.

Possibility of Hazardous Reactions

None under normal processing.

10.4. Conditions to Avoid

Do not puncture or incinerate cans. Extreme heat.

10.5. Incompatible Materials

None known based on information supplied.

10.6. Hazardous Decomposition Products

Carbon monoxide. Carbon dioxide (CO₂).

Section 11: TOXICOLOGICAL INFORMATION

11.1. Information on Toxicological Effects

Acute Toxicity

Product Information

Eye Contact Causes serious eye irritation.

Skin Contact Avoid contact with skin.

Inhalation Do not inhale.

Ingestion Do not ingest.

Unknown Acute Toxicity 0% of the mixture consists of ingredient(s) of unknown toxicity.

The following values are calculated based on chapter 3.1 of the GHS document:

Oral LD50 6,280.00
Units mg/kg
Dermal LD50 18,286.00
Units mg/kg
Inhalation
Gas 99,999.00
Units mg/L
Mist 103.70
Units mg/L
Vapor 103.70
Units mg/L

Component Information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Isopropyl Alcohol	= 4396 mg/kg (Rat)	= 12800 mg/kg (Rat) = 12870 mg/kg (Rabbit)	= 72.6 mg/L (Rat) 4 h

Skin corrosion/irritation Not classified.

Serious eye damage/eye irritation Causes serious eye irritation.

Sensitization Not classified.

Germ cell mutagenicity Not classified.

Carcinogenicity None known based on information supplied.

Reproductive toxicity Not classified.

STOT - single exposure May cause drowsiness or dizziness.

STOT - repeated exposure Not classified.

Aspiration hazard Not classified.

Symptoms Please see section 4 of this SDS for symptoms.

Section 12: ECOLOGICAL INFORMATION

12.1. Toxicity

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

Chemical Name	Algae/aquatic plants	Fish	Crustacea
Isopropyl Alcohol	1000: 96 h <i>Desmodesmus subspicatus</i> mg/L EC50 1000: 72 h <i>Desmodesmus subspicatus</i> mg/L EC50	9640: 96 h <i>Pimephales promelas</i> mg/L LC50 flow-through 11130: 96 h <i>Pimephales promelas</i> mg/L LC50 static 1400000: 96 h <i>Lepomis macrochirus</i> µg/L LC50	13299: 48 h <i>Daphnia magna</i> mg/L EC50

12.2. Persistence and Degradability

Not determined.

12.3. Bioaccumulative Potential

Chemical Name	Partition Coefficient
Isopropyl Alcohol	0.05

12.4. Mobility in Soil

Mobility

Not determined.

12.5. Results of PBT and vPvB Assessment

Not determined.

12.6. Other Adverse Effects

Not determined.

Section 13: DISPOSAL CONSIDERATIONS

13.1. Waste Treatment Methods

Waste from Residues / Unused Products Disposal should be in accordance with applicable regional, national and local laws and regulations.

Contaminated Packaging Improper disposal or reuse of this container may be dangerous and illegal.

Section 14: TRANSPORT INFORMATION

IMDG

14.1 UN/ID No UN1950
14.2 Proper Shipping Name Aerosols
14.3 Hazard Class 2.1

RID

14.1 UN/ID No UN1950
14.2 Proper Shipping Name Aerosols
14.3 Hazard Class 2.1

ADR

14.1 UN/ID No UN1950
14.2 Proper Shipping Name Aerosols
14.3 Hazard Class 2.1

ICAO (air)

14.1 UN/ID No UN1950
14.2 Proper Shipping Name Aerosols, flammable
14.3 Hazard Class 2.1

IATA

14.1 UN/ID No UN1950
14.2 Proper Shipping Name Aerosols, flammable
14.3 Hazard Class 2.1

Based on package size, product may be eligible for limited quantity exception.

Section 15: REGULATORY INFORMATION

15.1. Safety, Health and Environmental Regulations/Legislation Specific for the Substance or Mixture

National Regulations

Occupational Illnesses (R-463-3, France)

Chemical Name	French RG number	Title
Isopropyl Alcohol 67-63-0	RG 84	

European Union

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work.

International Inventories

TSCA -
EINECS/ELINCS -
DSL/NDSL Listed on DSL/Not listed on NDSL
PICCS Listed
ENCS -
IECSC Listed
AICS Listed
KECL -

Legend

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances
DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List
PICCS - Philippines Inventory of Chemicals and Chemical Substances
ENCS - Japan Existing and New Chemical Substances
IECSC - China Inventory of Existing Chemical Substances
AICS - Australian Inventory of Chemical Substances
KECL - Korean Existing and Evaluated Chemical Substances

15.2. Chemical Safety Assessment

No Chemical Safety Assessment has been carried out for this substance/mixture by the supplier.

Section 16: OTHER INFORMATION

Full text of R-phrases referred to under sections 2 and 3

R11 - Highly flammable
R67 - Vapors may cause drowsiness and dizziness
R36 - Irritating to eyes
R12 - Extremely flammable

Full text of H-Statements referred to under sections 2 and 3

H319 - Causes serious eye irritation
H336 - May cause drowsiness or dizziness
H225 - Highly flammable liquid and vapor

Classification Procedure

Calculation method

Issue Date: 14-Aug-2014

Revision Date: 01-Jan-2015

Revision Note: New format.

This safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006, as amended by Regulation (EU) No. 453/2010

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