Dukal

Safety Data Sheet

SECTION 1: PRODUCT IDENTIFICATION

1.1 Product Identifier

Product Name: Alcohol Prep Pads
Product Label Name: Dukal Alcohol Prep Pads (private label included)
CAS Number: 67-63-0 (Alcohol)
EC Number: 200-661-7 (Alcohol)

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

Relevant Identified Use: Antiseptic Cleanser
Uses Advised Against: None specified

1.3 Details of the Supplier of the Safety Data Sheet

Company Name: Dukal, LLC
Address: 2 Fleetwood Court, Ronkonkoma, NY 11779
Telephone Number: 631-656-3800
Email: QA-RA-NY@dukal.com

1.4 Emergency Telephone Number

Emergency Contact (USA): 631-656-3800
Emergency Contact (Outside USA): +1-800-243-0741

SECTION 2: HAZARDOUS IDENTIFICATION

2.1 Classification of the Substance or Mixture

Hazard Class/Category:
Flammable Liquid – Category 2
Eye Irritation – Category 2
Specific Target Organ Toxicity (Single Exposure) – Category 3 (STOT SE 3)

2.2 Label Elements

Hazard Pictogram:

Signal Word: Danger

Hazard Statements:

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

Precautionary Statements:

General: P210: Keep away from heat/sparks/open flames/hot surfaces. - No smoking. P102: Keep out of reach of children.
Eyes: P305+P338: IF IN EYES: Rinse cautiously with water for several minutes. P337+P313: If eye irritation persists: Get medical advice/attention.
Inhalation: P304+P340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

2.3 Other Hazards

This product does not surpass vP (very persistent) or vB (very bioaccumulative) thresholds set by ECHA/REACH, and therefore is not subject to vPvB obligations under REACH Annex XIII.

This product does not surpass Persistence, Bioaccumulation, or Toxicity (PBT) thresholds set by REACH, and therefore is not subject to PBT obligations under REACH Annex XIII.

SECTION 3: INFORMATION ON INGREDIENTS

3.1 Substances Not applicable (mixture).

3.2 Mixtures

Component Name	CAS #	EC #	Concentration	Classification (CLP)	Hazard Statements
Isopropyl Alcohol (Propan-2-ol)	67-63-0	200-661-7	70%	Flam. Liq. 2, Eye Irrit. 2, STOT SE 3	H225, H319, H336
Water	7732-18-5	231-791-2	30%	Not classified	None

3.3 Additional Information

R Phrase: R11: Highly flammable.

SECTION 4: FIRST-AID MEASURES

4.1 Description of First Aid Measures

Inhalation: If symptoms occur, remove source of contamination or move victim to fresh air. If the affected person is not breathing, apply artificial respiration. If breathing is difficult, provide oxygen. Seek medical attention.

Ingestion: Do not induce vomiting. If swallowed, have the victim drink 1-3 glasses of water to dilute stomach contents. Seek medical attention or advice.

Skin Contact: If irritation occurs, rinse with water. If irritation persists, seek medical attention.

Eye Contact: Rinse eyes cautiously with water for at least 15 minutes, holding the eyelids open. Seek medical attention if irritation persists.

4.2 Most Important Symptoms and Effects, Both Acute and Delayed

Acute Symptoms: May cause drowsiness or dizziness if inhaled. Eye exposure may result in serious irritation.

Delayed Effects: Prolonged exposure may lead to respiratory discomfort or persistent eye irritation.

4.3 Indication of Any Immediate Medical Attention and Special Treatment Needed

Medical Advice: If symptoms persist or worsen, seek medical attention.

Special Treatment: No specific antidote known. Treat symptomatically.

SECTION 5: FIRE-FIGHTING MEASURES

5.1 Extinguishing Media

Suitable Extinguishing Media: Use methods appropriate for the surrounding fire. Consider water spray or fog, carbon dioxide (CO_2), dry chemical powder, or alcohol-resistant foam.

Unsuitable Extinguishing Media: Do not use high-pressure water jets, as they may spread the fire.

5.2 Special Hazards Arising from the Substance or Mixture

Flammability Classification: Flammable Liquid – Category IB
Hazardous Combustion Products: Upon decomposition, this product may emit carbon dioxide (CO_2), carbon monoxide (CO), and/or low molecular weight hydrocarbons.

5.3 Advice for Firefighters
Protective Equipment: Wear protective clothing and equipment suitable for the surrounding fire, including a helmet, facemask, and self-contained breathing apparatus (SCBA).
Additional Precautions: Evacuate personnel to a safe area. Cool containers exposed to fire with water spray to prevent rupture.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal Precautions, Protective Equipment, and Emergency Procedures
For large spills, wear gloves, safety glasses, and when exposure levels exceed EU workplace exposure limits, use appropriate EN-approved respiratory protection.
Keep unnecessary personnel away.
Eliminate all sources of ignition or flammable materials that may come into contact with the spill.
Ensure adequate ventilation in the affected area.

6.2 Environmental Precautions
Prevent discharge into open waters, soil, and drainage systems.
Contain spills to avoid contamination of groundwater or surface water.

6.3 Methods and Material for Containment and Cleaning Up
Containment: Absorb spilled liquid using non-flammable inert materials such as clay, vermiculite, or diatomaceous earth.
Clean-Up: Ventilate the spill area. Use spark-proof tools to sweep or scrape up the material and place it in an approved chemical waste container. Wash the spill area thoroughly with water.

6.4 Reference to Other Sections
For personal protective equipment, see Section 8.
For disposal considerations, see Section 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for Safe Handling
Keep away from heat, sparks, and open flames.
Prevent contact with eyes.
Use in a well-ventilated area to minimize exposure.
Avoid inhalation of vapors.
Use non-sparking tools when handling the product.

7.2 Conditions for Safe Storage, Including Any Incompatibilities
Keep the container tightly closed when not in use.
Store in a cool, well-ventilated place away from direct sunlight and ignition sources.
Keep away from oxidizing agents, acids, and incompatible materials.

7.3 Specific End Use(s)
Intended for use as an antiseptic cleanser.
Follow industry-specific guidelines for safe handling and storage.

SECTION 8: EXPOSURE CONTROLS

8.1 Control Parameters
Occupational Exposure Limits (OELs):

Substance	CAS #	Regulatory Body	Limit Type	Value
Isopropyl Alcohol	67-63-0	ACGIH	TWA	200 ppm
Isopropyl Alcohol	67-63-0	OSHA	TWA	400 ppm (980 mg/m³)

EU Workplace Exposure Limits (WELs): Check applicable EU and national exposure limits for isopropyl alcohol.

8.2 Exposure Controls
Engineering Controls:
Normal room ventilation is usually adequate.
Ensure sufficient ventilation to maintain airborne concentrations below exposure limits.
Personal Protective Equipment (PPE):
Eye/Face Protection:
None needed under normal use.
Wear goggles if exposed to excessive amounts or splashing.
Skin Protection:
None needed under normal use.
Wear overalls or an apron if splashing is possible.
Respiratory Protection:
Use appropriate respiratory protection when vapor concentrations are high or in an enclosed space.
Avoid inhalation of vapor.
General Hygiene Considerations:
No smoking.
Follow normal hygienic practices.

8.3 Environmental Exposure Controls
Prevent release into open waters, soil, and drainage systems.
Follow local and EU environmental regulations for disposal and emissions

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on Basic Physical and Chemical Properties

Property	Value
Physical State	Non-woven cloth saturated with liquid. No free liquid inside packaging.

Appearance/Color	Clear
Odor	Alcohol
PH	Not Available.
Vapor Density	2.1 (air=1)
Boiling Point	80°C
Vapor Pressure	4.3 kPa (Isopropanol)
Melting Point	No data
Freezing Point	Not Available
Flash Point	11.7°C for 70% Isopropanol Solution
Solubility (in water)	Soluble
Specific Gravity @ 25°C	0.88-0.92
Evaporation Rate	Not Available
Octanol/Water partition coefficient	Not Available
Auto-ignition temperature	Not Available
Decomposition temperature	Not Available

9.2 Other Information
No additional relevant data available.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity
This product reacts with strong acids, strong bases, and oxidizing agents.

10.2 Chemical Stability
Stable under normal ambient temperatures (21°C - 70°C).

10.3 Possibility of Hazardous Reactions
Hazardous polymerization: Will not occur.

10.4 Conditions to Avoid
Avoid excessive heat or sources of ignition.

10.5 Incompatible Materials
Strong acids, strong bases, and oxidizing agents.

10.6 Hazardous Decomposition Products
Upon decomposition, this product may evolve carbon monoxide (CO), carbon dioxide (CO_2), and/or low molecular weight hydrocarbons.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on Toxicological Effects
Acute Toxicity: Low order of acute toxicity is possible.
Product contains isopropyl alcohol (CAS 67-63-0).

Skin Corrosion/Irritation: Not expected to cause skin irritation under normal use conditions.
Serious Eye Damage/Irritation: May cause serious eye irritation (H319).
Respiratory or Skin Sensitization: No data available.
Germ Cell Mutagenicity: No information available for this product.
Carcinogenicity: Isopropyl Alcohol (CAS 67-63-0): ACGIH A4 – Not Classifiable as a Human Carcinogen.
Reproductive Toxicity: This product is not expected to cause reproductive health effects.
Developmental Toxicity: This product is not expected to cause developmental health effects.
Specific Target Organ Toxicity (STOT) – Single Exposure: May cause drowsiness or dizziness (H336).
Specific Target Organ Toxicity (STOT) – Repeated Exposure: No data available.
Aspiration Hazard: No data available.

11.2 Information on Other Hazards
Endocrine Disrupting Properties: Non-disruptive.
Target Organs: When consumed, ethyl alcohol can target the respiratory system, skin, eyes, CNS, liver, blood, and reproductive system.

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity
No specific ecotoxicity data available for this product.
Isopropyl alcohol may have low toxicity to aquatic organisms.

12.2 Persistence and Degradability
Isopropyl alcohol is readily biodegradable in the environment.

12.3 Bioaccumulative Potential
Low bioaccumulation potential expected.

12.4 Mobility in Soil
Expected to have high mobility in soil due to water solubility.

12.5 Results of PBT and vPvB Assessment
This product does not meet the criteria for PBT (Persistent, Bioaccumulative, and Toxic) or vPvB (very Persistent, very Bioaccumulative) classification under REACH Annex XIII.

12.6 Other Adverse Effects
No additional environmental hazards identified.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste Treatment Methods
Disposal of Product: Dispose of in accordance with national and local regulations, including Directive 2008/98/EC on waste management.
Disposal of Packaging: Labels should not be removed from containers until they have been cleaned. Do not cut, puncture, or weld near the container. Do not incinerate closed containers. Empty containers may contain hazardous residues—dispose of containers with care.

Recommended Waste Codes: Follow EU Waste Framework Directive classification for appropriate waste codes.

13.2 Additional Information
Ensure disposal methods do not contaminate soil, water, or air.
Consult local waste authorities for proper disposal guidelines.

SECTION 14: TRANSPORATION INFORMATION

14.1 UN Number
Not regulated as hazardous material under UN Dangerous Goods Regulations.

14.2 UN Proper Shipping Name
Not applicable.

14.3 Transport Hazard Class(es)
Not classified as hazardous under DOT 49 CFR 172.102 Special Provision 47, ADR/RID/ADN Chapter 3.3 Special Provision 216, IATA Section 4.4 Special Provision A46, and IMDG Chapter 3.3 Special Provision 216.

14.4 Packing Group
Not applicable.

14.5 Environmental Hazards
No known environmental hazards associated with transport.

14.6 Special Precautions for User
Follow general safety precautions when handling and transporting.

14.7 Transport in Bulk According to Annex II of MARPOL and the IBC Code
Not applicable.

Special Provisions: (UN: ARD/RID/ADN) SP216: Mixtures of solids which are not subjects to these Regulations and flammable liquids may be transported under this entry without first applying the classification criteria of Division 4.1, provided there is no free liquid visible at the time the substance is loaded or at the time the packaging or cargo transport unit is closed. Each cargo transport unit shall be leakproof when used as a bulk packaging. Sealed packets and articles containing less than 10 ml of a packing group II or III flammable liquid absorbed into a solid are not subject to these Regulations provided there is no free liquid in the packet or article. SP313: Sealed packets and articles containing less than 10 ml of an environmentally hazardous liquid, absorbed into a solid material but with no free liquid in the packet or article, or containing less than 10 g of an environmentally hazardous solid, are not subject to these Regulations. (DOT) Mixtures of solids that are not subject to this subchapter and flammable liquids may be transported under this entry without first applying the classification criteria of Division 4.1, provided there is no free liquid visible at the time the material is loaded or at the time the packaging or transport unit is closed. Except when the liquids are fully absorbed in solid material contained in sealed bags, for single packagings, each packaging must correspond to a design type

that has passed a leakproofness test at the Packing Group II level. Small inner packagings consisting of sealed packets and articles containing less than 10 mL of a Class 3 liquid in Packing Group II or III absorbed onto a solid material are not subject to this subchapter provided there is no free liquid in the packet or article. (IATA) Small inner packagings consisting of sealed packets or articles containing less than 10 mL of a Packing Group II or III flammable liquid absorbed into a solid material are not subject to these Regulations provided there is no free liquid in the packet or article (IACAO) Mixtures of solids which are not subject to these Instructions and flammable liquids may be transported under this entry without first applying the classification criteria of Division 4.1, providing there is no free liquid visible at the time the substance is packaged and the packaging must pass a leakproofness test at the Packing Group II level. Small inner packagings consisting of sealed packets or articles containing less than 10 mL of a Packing Group II or III flammable liquid absorbed into a solid material are not subject to these Instructions provided there is no free liquid in the packet or articles. (IMDG) Sealed packets containing 10 ml or less of Class 3 flammable liquids in Packing Group II or III which are absorbed into a solid with no free liquid at the time of shipment are not regulated.

SECTION 15: REGULATORY INFORMATION & PROVISIONS

15.1 Safety, Health, and Environmental Regulations Specific for the Substance or Mixture
EPA SARA Regulations (USA):
CAS: 67-63-0 (Isopropyl Alcohol)
De Minimis Concentration: 1.0%
Only persons who manufacture by the strong acid process are subject;
no supplier notification required.
European Regulations:
Directive 2010/75/EU (VOC): 70% (Liquid Alcohol)
Seveso III Directive (2012/18/EU):
Seveso Substance: Yes
Seveso Categories: P5a, P5b, P5c

15.2 Chemical Safety Assessment
REACH Registration:

Qty Imported	Registration	Safety Obligations	Notes
< 1 tonne/year	Not required	Yes (SDS, classification, restrictions)	Check SVHC, CLP, Article 7 notifications

SECTION 16: OTHER INFORMATION

16.1 Revision Information
Issue Date: 26-March-2014
Revision Date: 27-May-2025
Changes from Previous Version: Updated formatting.

16.2 Abbreviations and Acronyms
SDS: Safety Data Sheet
REACH: Registration, Evaluation, Authorisation, and Restriction of Chemicals

CLP: Classification, Labelling, and Packaging Regulation
PBT: Persistent, Bioaccumulative, and Toxic
vPvB: Very Persistent, Very Bioaccumulative

16.3 Key Literature References and Sources for Data
Data sourced from REACH Regulation (EC) No. 1907/2006, CLP Regulation (EC) No. 1272/2008, (EU) 2020/878, and all other applicable EU regulatory documents.

16.4 Classification Method Used for Mixtures
Classification based on Article 9 of Regulation (EC) No. 1272/2008, using available test data, bridging principles, and calculation methods.

16.5 Full Text of Hazard Statements and Precautionary Statements
H225: Highly flammable liquid and vapor.
H319: Causes serious eye irritation.
H336: May cause drowsiness or dizziness.
P102: Keep out of reach of children.
P210: Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
P304: IF INHALED:
P305: IF IN EYES:
P313: Get medical advice/attention.
P337: If eye irritation persists:
P338: Rinse cautiously with water for several minutes.
P340: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

16.6 Advice on Training for Workers
Workers handling this product should receive training on chemical safety, personal protective equipment (PPE) use, and emergency response procedures.

Disclaimer:

The information provided in this SDS is correct and is to the best of our knowledge, at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as 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 material or in any process, unless specified in the text.