

SAFETY DATA SHEET

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Revision Date:

Revision Number: 0

1. IDENTIFICATION OF THE SUBSTANCE/COMPANY INFORMATION

Product Identifier

Product Name: Delon+ Spray-On 70% Rubbing Alcohol

Other means of identification

Synonyms: N/A

Recommended use of chemical and restrictions on use

Recommended Use: Antiseptic cleanser

Uses advised against: N/A

Details of supplier of the Safety Data Sheet

Distributor

Delon Laboratories (1990) Inc.
Pointe-Claire, QC, Canada, H9R1E2

Emergency Telephone Number

Company Emergency Number 514-685-9966

24 Hour Number: 613-996-6666 (CANUTEC)

2. HAZARDS IDENTIFICATION

Classification

Flammable Liquid – Category 2

Skin corrosion/irritation and serious eye damage/ eye irritation – Category 2/Category 2A

Specific Target Organ Toxicity (Single Exposure) – Category 3

Target Organs – Respiratory system

Label Elements



Signal word: Danger

Hazard Statements

Highly flammable liquid and vapor.
Causes skin and eye irritation.
May cause respiratory irritation.

Precautionary Statements – Prevention

If medical advice is needed, have the product container or label at hand.
Keep out of the reach of children.
Read label before use.
Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
Keep container tightly closed.
Use explosion-proof electrical/ventilating/lighting/equipment.
Take precautionary measures against static discharge.
Avoid breathing mist/vapours/spray.
Wash hands thoroughly after handling.
Wear protective gloves/protective clothing/eye protection/face protection.

Precautionary Statements – Response

Eyes

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 advice/attention.

Skin

IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.

If skin irritation occurs: Get medical advice/attention.

Take off contaminated clothing and wash it before reuse.

Inhalation

IF INHALED: Remove person to fresh air and keep comfortable for breathing.

Ingestions

N/A

Fire

In case of fire: Use CO2, dry sand, dry chemical or alcohol-resistant foam to extinguish.

Spill

N/A

Precautionary Statements – Storage

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

Keep Cool.

Store locked up.

Precautionary Statements – Disposal

Dispose of contents/container in accordance with local/regional/national/international regulations.

Hazards not otherwise classified (HNOC)

N/A

Unknown Toxicity

N/A

Other information

N/A

Interaction with other Chemicals

N/A

3. COMPOSITION/INFORMATION ON INGREDIENTS

| Chemical Name | CAS No. | Weight - % | Trade Secret |
|----------------------|----------------|-------------------|---------------------|
| Ethyl alcohol | 64-17-5 | 70 | |

* The exact percentage (concentration) of composition has been withheld as a trade secret.

4. FIRST AID MEASURES

First aid measures

Eye Contact

Rinse eyes immediately with plenty of water, also under the eyelids, for at least 15 minutes. Obtain medical attention immediately.

Skin Contact

Wash off immediately with plenty of water for at least 15 minutes. Remove contaminated clothing and wash before reuse. Seek medical attention, if skin irritation occurs. Get medical attention if symptoms occur.

Inhalation

If breathing is difficult, remove victim to fresh air. Get medical attention immediately if symptoms occur.

Ingestion

Do not induce vomiting. Obtain medical attention.

Self-protection of the first aider

N/A

Most important symptoms and effects, both acute and delayed

Breathing difficulties. Symptoms of overexposure may be headache, dizziness, drowsiness, nausea and vomiting. Inhalation of high vapor concentrations may cause symptoms like headache, dizziness, faintness, drowsiness, nausea and vomiting.

Indication of any immediate medical attention and special treatment needed

N/A

Notes to Physician

Treat symptomatically.

5. FIRE-FIGHTING MEASURES**Suitable Extinguishing Media**

Use alcohol-resistant foam, dry chemical or carbon dioxide. Cool closed containers exposed to fire with water spray.

Unsuitable Extinguishing Media

Water may be ineffective for large open pools of alcohol. Do not use a solid water stream as it may scatter and spread fire.

Specific Hazards Arising from the Chemical

Flammable. Risk of ignition. Vapors may form explosive mixtures with air. Vapors may travel to source of ignition and flash back. Containers may explode when heated.

Uniform Fire Code

N/A

Hazardous Combustion Products

Carbon monoxide (CO), Carbon dioxide (CO₂), Formaldehyde.

Explosion Data**Sensitivity to Mechanical Impact**

N/A

Sensitivity to Static Discharge

N/A

Protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. Thermal decomposition can lead to release of irritating gases and vapors.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions

Use personal protective equipment. Ensure adequate ventilation. Remove all sources of ignition. Take precautionary measures against static discharges. Do not get in eyes, on skin, or on clothing.

Protective Equipment

Wear protective gloves/ protective clothing, eye protection/ face protection.

Emergency Procedures

Remove all sources of ignition. Soak up with inert absorbent material. Keep in suitable, closed containers for disposal. Take precautionary measures against static discharges. Use spark-proof tools and explosion-proof equipment.

Other Information

N/A

Environmental Precautions

Environmental Precautions

Should not be released into the environment.

Methods and material for containment and cleaning up

Remove all sources of ignition. Contain spilled material. Clean spilled product with inert absorbent material. Keep in suitable, closed containers for disposal. Take precautionary measures against static discharges. Use spark-proof tools and explosion-proof equipment.

7. HANDLING AND STORAGE

Precautions for safe Handling

Handling

Wear personal protective equipment. Ensure adequate ventilation. Keep away from open flames, hot surfaces and sources of ignition. Take precautionary measures against static discharges. Do not breathe vapors or spray mist. Do not get in eyes, on skin, or on clothing. Do not ingest. Use spark-proof tools and explosion-proof equipment.

Conditions for safe storage, including any incompatibilities

Storage

Keep containers tightly closed in a dry, cool and well-ventilated place. Keep away from open flames, hot surfaces and sources of ignition. Store product in flammables area.

Incompatible Products

Strong oxidizing agents, Strong acids, Acid anhydrides, Acid chlorides.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Parameters

Exposure Guidelines

N/A

Other Exposure Guidelines

N/A

Appropriate Engineering Controls

Engineering Measures

Ensure adequate ventilation, especially in confined areas. Use explosion-proof electrical/ventilating/lighting/equipment. Ensure that eyewash stations and safety showers are close to the workstation location.

Individual protection measures, such as personal protective equipment

Eye/Face Protection

Where there is potential for eye contact, wear chemical goggles, and have eye flushing equipment immediately available.

Skin and Body Protection

Wear appropriate protective gloves and clothing to prevent skin exposure.

Respiratory Protection

Use an approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.

Hygiene Measures

Follow general industrial hygiene practices.

9. PHYSICAL AND CHEMICAL PROPERTIES

These properties should not be used as specifications.

Physical State: Liquid

Appearance: Clear

Color: Colorless

Odor: Characteristic

Property

pH: N/A

Melting/freezing Point: N/A

Boiling point/boiling range of Ethyl Alcohol: 78.3 °C - 100 °C

Flash Point of Ethyl Alcohol: 16°C (c.c.)

Flammability (solid,gas) : N/A

Flammability Limit in air

Upper flammability limit: N/A

Lower flammability limit: N/A

Vapor Pressure: N/A

Specific Gravity: N/A

Water Solubility: N/A

Partitions coefficient: N/A

Autoignition temperature: N/A

Decomposition temperature: N/A

Kinematic viscosity: N/A

Other Information

Softening Point: N/A

VOC Content (%): N/A

Particle Size: N/A

Particle Size Distribution: N/A

10. STABILITY AND REACTIVITY

Reactivity

N/A

Chemical Stability

Stable.

Possibility of Hazardous Reactions

None under normal processing.

Conditions to avoid

Incompatible products. Heat, flames and sparks. Keep away from open flames, hot surfaces and sources of ignition.

Incompatible Materials

Strong oxidizing agents, Strong acids, Acid anhydrides, Acid chlorides.

Hazardous Decomposition Products

Carbon monoxide (CO), Carbon dioxide (CO₂), Formaldehyde.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information

Inhalation

N/A

Eye Contact

N/A

Skin Contact

N/A

Ingestion

N/A

Component Information

| Chemical Name | Oral LD50 | Dermal LD50 | Inhalation LC50 |
|---------------|-------------------|-----------------------|-------------------------|
| Ethyl alcohol | 7,060 mg/kg (Rat) | 20,000 mg/kg (Rabbit) | 31,623 ppm, 4h. (Rat) |

Information on toxicological effects

Symptoms

N/A

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Sensitization

N/A

Mutagenic Effects

Carcinogenicity

| Chemical Name | ACGIH | IARC | NTP | OSHA |
|---------------|-------|---------|------------|------|
| Ethyl Alcohol | A3 | Group 1 | Not listed | X |

X - Present

Reproductive Toxicity

N/A

STOT – single exposure

N/A

STOT – repeated exposure

Chronic Toxicity

Liver

Target Organ Effects

N/A

Aspiration Hazard

Aspiration hazard.

Numerical Measures of Toxicity Product Information

N/A

12. ECOLOGICAL INFORMATION

Ecotoxicity

| Chemical Name | Species | Test Results |
|---------------|-----------------------|---------------------------------------|
| Ethyl Alcohol | Fresh water algae | 1,000 mg/l, 96h (EC ₅₀) |
| | Fish (rainbow trout) | >10,000 mg/l, 96h (LC ₅₀) |
| | Fish (fathead minnow) | >13,400 mg/l, 96h (LC ₅₀) |

Persistence and Degradability

Persistence is unlikely based on information available. Soluble in water.

Bioaccumulation

N/A

Mobility

| Chemical Name | Log Pow |
|---------------|---------|
| Ethyl Alcohol | -0.32 |

Other adverse effects

N/A

13. DISPOSAL CONSIDERATIONS

Waste treatment Methods

Disposal methods

Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. Chemical waste generators must also consult local/regional/national/international hazardous waste regulations to ensure complete and accurate classification.

Contaminated packaging

US EPA Waster Number

California Hazardous Waste Codes

| Chemical Name | California Hazardous Waste |
|---------------|----------------------------|
| Ethyl Alcohol | X, I |

14. TRANSPORT INFORMATION

DOT

UN-No. UN1170

Proper Shipping Name:

Ethanol

Hazard Class: 3

Packing Group: II

TDG

UN-No. UN1170

Proper Shipping Name:

Ethanol

Hazard Class: 3

Packing Group: II

IATA

UN-No. UN1170

Proper Shipping Name:

Ethanol

Hazard Class: 3

Packing Group: II

IMDG/IMO

UN-No. UN1170

Proper Shipping Name:

Ethanol

Hazard Class: 3

Packing Group: II

15. REGULATORY INFORMATION

International Inventories

| <u>Component</u> | <u>TSCA</u> | <u>DSL</u> | <u>NDSL</u> | <u>EINECS</u> | <u>ELINCS</u> | <u>NLP</u> | <u>PICCS</u> | <u>ENCS</u> | <u>AICS</u> | <u>IECSC</u> | <u>KECL</u> |
|------------------|-------------|------------|-------------|---------------|---------------|------------|--------------|-------------|-------------|--------------|-------------|
| Ethyl alcohol | X | X | - | 200-578-6 | - | | X | X | X | X | X |

US Federal Regulations

SARA 313: N/A

SARA 311/312 Hazard Categories): N/A

CWA (Clean Water Act): N/A

CERCLA: N/A

US State Regulations

California Proposition 65

This product contains the following Proposition 65 chemicals: Ethyl alcohol is only a considered a Proposition 65 developmental hazard when it is ingested as an alcoholic beverage.

| <u>Component</u> | <u>CAS-No</u> | <u>California Prop. 65</u> | <u>Prop 65 NSRL</u> | <u>Category</u> |
|------------------|---------------|----------------------------|---------------------|-----------------------------|
| Ethyl alcohol | 64-17-5 | Developmental | - | Developmental Carcinogen |

U.S. State Right to Know Regulations

| <u>Component</u> | <u>Massachusetts</u> | <u>New Jersey</u> | <u>Pennsylvania</u> | <u>Illinois</u> | <u>Rhode Island</u> |
|------------------|----------------------|-------------------|---------------------|-----------------|---------------------|
| Ethyl alcohol | X | X | X | X | X |

EPA Pesticide Registration Number: N/A

EPA Statement: N/A

Canada
WHMIS Hazard Class
N/A

16. OTHER INFORMATION

Prepared By **Delon Laboratories (1990) Inc.**
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Revision Note

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