

SAFETY DATA SHEET (SDS)

Section 1. Identification

Product identifier	SKIN PROTECTANT PREP PADS
Other means of identification	None
Recommended use and restrictions on use	Skin protectant prep pads
Initial supplier identifier	Lernapharm (Loris) Inc., 2323 Halpern, St-Laurent (Montreal) Québec, Canada H4S 1S3 Telephone: 514-331-4634
Emergency telephone number/restriction on use	Canada – CANUTEC 24 hour number 613-996-6666

Section 2. Hazard identification

Classification of hazardous product (name of the category or subcategory of the hazard class)

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Flammable liquid (Category 2)

Eye irritation (Category 2B)

Specific target organ toxicity – single exposure (Category 3)

Information elements (symbols, signal words, hazard statements and precautionary statements of the category/subcategory)



Danger

Hazard Statements

Causes eye irritation

May cause respiratory irritation

May cause drowsiness or dizziness

Highly flammable liquid and vapour

Appearance Clear, colorless liquid absorbed into white pad

Physical State Thin liquid absorbed into pads **Odor** Pungent alcohol

Precautionary Statements - Prevention

Wash hands and face thoroughly after handling.

Avoid breathing vapors.

Use only outdoors or in a well-ventilated area.

Wear protective gloves and eye protection such as safety glasses.

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

Keep container tightly closed.

Ground/bond container and receiving equipment

Use explosion-proof electrical/ ventilating/ lighting/ equipment

Use only non-sparking tools

Take precautionary measures against static discharge

Precautionary Statements – Response

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.

If inhaled: Remove victim to fresh air and keep at rest in a position comfortable for breathing

Call a poison center or doctor if you feel unwell.

If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water.

In case of fire: Use CO2, dry chemical, or foam for extinction

Precautionary Statements - Storage

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

Store locked up.

Keep cool.

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal in accordance with all applicable federal, state, and local regulations

Hazards not otherwise classified (HNOC)

Not applicable

Unknown Toxicity

21% of the mixture consists of ingredient(s) of unknown toxicity

Other information

Prolonged or repeated contact may dry skin and cause irritation

Interactions with Other Chemicals

Can react with strong oxidizers, inorganic acids, and halogens

Other hazards known	None
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Section 3. Composition/information on ingredients			
Chemical name (common name/synonyms)	CAS number or other	Concentration (%)	
Isopropyl alcohol	67-63-0	60 - 80	
n-Butyl alcohol	71-36-3	1 - 5	
Section 4. First-aid measures			
Inhalation	IF INHALED: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, (trained personnel should) give oxygen.		
Ingestion	IF SWALLOWED: Rinse mouth immediately and drink plenty of water. Never give anything by mouth to an unconscious person. Do NOT induce vomiting. Call a physician.		
Skin contact	IF ON SKIN (or hair): Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. If symptoms persist, call a physician.		
Eye contact	IF IN EYES, Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Keep eye wide open while rinsing. Do not rub affected area. Get medical attention if irritation develops and persists.		
Self-protection of the first aider	Ensure that medical personnel are aware of the material(s) involved, take precautions to protect themselves and prevent spread of contamination.		
Most important symptoms and effects (acute or delayed)	Burning sensation.		
Indication of immediate medical attention/special treatment	Treat symptomatically.		
Section 5. Fire-fighting measures			
Specific hazards of the hazardous product (hazardous combustion products)			
No information available.			
Suitable and unsuitable extinguishing media			
In case of fire: Use carbon dioxide, chemical powder agent and appropriate foam to extinguish. CAUTION: All these products have a very low flash point. Use of water spray when fighting fire may be inefficient.			
Special protective equipment and precautions for fire-fighters			
Move containers from fire area if you can do it without risk.			
Section 6. Accidental release measures			
Personal precautions, protective equipment and emergency procedures			
Avoid contact with skin, eyes or clothing. Use personal protective equipment as required. Ensure adequate ventilation. Evacuate personnel to safe areas. See section 8 for more information. Keep people away from and upwind of spill/leak. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Pay attention to flashback. Take precautionary measures against static discharges. All equipment used when handling the product must be grounded. Do not touch or walk through spilled material. Water spray may reduce vapor; but may not prevent ignition in closed spaces.			
Methods and materials for containment and cleaning up			
A vapor suppressing foam may be used to reduce vapors. Absorb or cover with dry earth, sand or other non-combustible material and transfer to containers. Use clean non-sparking tools to collect absorbed material. Dike far ahead of liquid spill for later disposal.			
Section 7. Handling and storage			
Precautions for safe handling			
Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Do not eat, drink or smoke when using this product. Use personal protection equipment. Avoid breathing vapors or mists. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Use grounding and bonding connection when transferring this material to prevent static discharge, fire or explosion. Use with local exhaust ventilation. Use spark-proof tools and explosion-proof equipment. Keep in an area equipped with sprinklers. Use according to package label instructions.			
Conditions for safe storage, including any incompatibilities			
Keep containers tightly closed in a dry, cool and well-ventilated place. Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity). Keep in properly labeled containers. Do not store near combustible materials. Keep in an area equipped with sprinklers. Store in accordance with the particular national regulations. Store in accordance with local regulations. Incompatible Products: Strong oxidizers, inorganic acids, and halogens.			
Section 8. Exposure controls/Personal protection			
Control parameters (biological limit values or exposure limit values and source of those values)			
Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Isopropyl alcohol 67-63-0	STEL: 400 ppm TWA: 200 ppm	TWA: 400 ppm TWA: 980 mg/m3	IDLH: 2000 ppm 10% LEL TWA: 980 mg/m3 TWA: 400 ppm STEL: 500 ppm STEL: 1225 mg/m3
n-Butyl alcohol 71-36-3	TWA: 20 ppm	TWA: 100 ppm TWA: 300 mg/m3	IDLH: 1400 ppm Ceiling: 50 ppm Ceiling: 150 mg/m3

ACGIH TLV: American Conference of Governmental Industrial Hygienists - Threshold Limit Value OSHA PEL: Occupational Safety and Health Administration - Permissible Exposure Limits NIOSH IDLH Immediately Dangerous to Life or Health

Appropriate engineering controls													
Showers Eyewash stations Ventilation systems													
Individual protection measures/personal protective equipment													
If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations. Eye/Face Protection is not required for consumer use. If splashes are likely to occur: Tight sealing safety goggles. Wear protective gloves and protective clothing. Long sleeved clothing. Chemical resistant apron. Impervious gloves. Antistatic boots. Avoid contact with skin, eyes or clothing. Wear suitable gloves and eye/face protection. Do not eat, drink or smoke when using this product. Contaminated work clothing should not be allowed out of the workplace. Regular cleaning of equipment, work area and clothing is recommended. Wash hands before breaks and immediately after handling the product.													
Section 9. Physical and chemical properties													
Appearance, physical state/color	Clear, colorless liquid	Vapour pressure	Not available										
Odour	Pungent alcohol	Vapour density	Not available										
Odour threshold	Not available	Specific Gravity	~ 0.85 (liquid)										
pH	Not available	Solubility	Soluble										
Melting/freezing point	Not available	Partition coefficient - n-octanol/water	Not available										
Initial boiling point/range	Not available	Auto-ignition temperature	Not available										
Flash point	<23°C (liquid)	Decomposition temperature	Not available										
Evaporation rate	Not available	Kinematic and Dynamic Viscosity	Not available										
Flammability (solids and gases)	Not available	Explosive and Oxidizing Properties	Not available										
Upper and lower flammability/explosive limits	Not available	VOC	Not available										
Section 10. Stability and reactivity													
Reactivity													
Can react with strong oxidizers, inorganic acids, and halogens.													
Chemical stability													
Stable under the recommended storage conditions.													
Possibility of hazardous reactions													
None under normal processing													
Conditions to avoid (static discharge, shock or vibration)													
Heat, flames and sparks.													
Incompatible materials													
Strong oxidizers, inorganic acids, and halogens.													
Hazardous decomposition products													
Carbon oxides.													
Section 11. Toxicological information													
Information on the likely routes of exposure (inhalation, ingestion, skin and eye contact)													
May cause irritation of respiratory tract. May cause eye redness, itching, and pain. May cause temporary eye irritation. Prolonged contact may cause skin redness and irritation. Ingestion may cause irritation to mucous membranes. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.													
Delayed and immediate effects (chronic effects from short-term and long-term exposure)													
Skin Sensitization – No data available; Respiratory Sensitization – No data available; Germ Cell Mutagenicity – No data available; Specific Target Organ Toxicity — Single Exposure – Central nervous system; Specific Target Organ Toxicity — Repeated Exposure – No data available; Aspiration Hazard – Unlikely, but possible; Health Hazards Not Otherwise Classified – No data available; Carcinogenicity : The table below indicates whether each agency has listed any ingredient as a carcinogen.													
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: center;">Chemical Name</th> <th style="text-align: center;">ACGIH</th> <th style="text-align: center;">IARC</th> <th style="text-align: center;">NTP</th> <th style="text-align: center;">OSHA</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">Isopropyl alcohol 67-63-0</td> <td></td> <td style="text-align: center;">Group 3</td> <td></td> <td style="text-align: center;">X</td> </tr> </tbody> </table>				Chemical Name	ACGIH	IARC	NTP	OSHA	Isopropyl alcohol 67-63-0		Group 3		X
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Isopropyl alcohol 67-63-0		Group 3		X									
<p>IARC (International Agency for Research on Cancer) Group 3 - Not Classifiable as to Carcinogenicity in Humans</p> <p>OSHA (Occupational Safety and Health Administration of the US Department of Labor) X - Present</p>													

Reproductive Toxicity	No information available.
STOT - single exposure	No information available.
STOT - repeated exposure	No information available.
Chronic Toxicity	Contains a known or suspected carcinogen.
Target Organ Effects	Eyes. Central Nervous System (CNS). Respiratory system. Skin. Blood. Kidney. Liver. Spleen. Systemic Toxicity.
Aspiration Hazard	No information available.

Numerical measures of toxicity

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

ATEmix (oral)

3.4 g/kg

ATEmix (dermal)

11.7 g/kg (ATE)

ATEmix (inhalation-vapor)

51.00 ATEmix

Section 12. Ecological information

Ecotoxicity

The environmental impact of this product has not been fully investigated.

Chemical Name	Toxicity to Algae	Toxicity to Fish	Toxicity to Microorganisms	Daphnia Magna (Water Flea)
Isopropyl alcohol 67-63-0	96h EC50: > 1000 mg/L (Desmodesmus subspicatus) 72h EC50: > 1000 mg/L (Desmodesmus subspicatus)	96h LC50: > 1400000 µg/L (Lepomis macrochirus) 96h LC50: = 11130 mg/L (Pimephales promelas) 96h LC50: = 9640 mg/L (Pimephales promelas)		48h EC50: = 13299 mg/L
n-Butyl alcohol 71-36-3	72h EC50: > 500 mg/L (Desmodesmus subspicatus) 96h EC50: > 500 mg/L (Desmodesmus subspicatus)	96h LC50: 1730 - 1910 mg/L (Pimephales promelas) 96h LC50: = 1910000 µg/L (Pimephales promelas) 96h LC50: 100000 - 500000 µg/L (Lepomis macrochirus) 96h LC50: = 1740 mg/L (Pimephales promelas)	EC50 = 2041.4 mg/L 5 min EC50 = 2186 mg/L 30 min EC50 = 3980 mg/L 24 h EC50 = 4400 mg/L 17 h	48h EC50: = 1983 mg/L 48h EC50: 1897 - 2072 mg/L

Persistence and degradability

No information available.

Bioaccumulative potential

Chemical Name	Log Pow
Isopropyl alcohol 67-63-0	0.05
n-Butyl alcohol 71-36-3	0.785

Other adverse effects

No data available

Section 13. Disposal considerations

Information on safe handling for disposal/methods of disposal/contaminated packaging

Dispose of in accordance with all applicable federal, state, and local regulations.

Do not reuse empty containers. Dispose of in accordance with all applicable federal, state, and local regulations.

Section 14. Transport information

UN number; Proper shipping name; Class(es); Packing group (PG) of the TDG Regulations

UN1993; FLAMMABLE LIQUID, N.O.S (ISOPROPYL ALCOHOL, N-BUTYL ALCOHOL); CLASS 3; PG II

UN number; Proper shipping name; Class(es); Packing group (PG) of the IMDG (maritime)

UN1993; FLAMMABLE LIQUID, N.O.S (ISOPROPYL ALCOHOL, N-BUTYL ALCOHOL); CLASS 3; PG II

UN number; Proper shipping name; Class(es); Packing group (PG) of the IATA (air)

UN1993; FLAMMABLE LIQUID, N.O.S (ISOPROPYL ALCOHOL, N-BUTYL ALCOHOL); CLASS 3; PG II

Special precautions (transport/conveyance)

May also be shipped as a LIMITED QUANTITY in accordance with TDG.

Environmental hazards (IMDG or other)

None

Section 15. Regulatory information

Safety/health Canadian regulations specifics

Refer to Section 2 for the appropriate classification. This product has been classified in accordance with the hazard criteria of the Hazardous Products Regulations (HPR).

Environmental Canadian regulations specifics

Refer to Section 3 for ingredient(s) of the DSL

Safety/health/environmental outside regulations specifics

None

Section 16. Other information	
Date of the latest revision of the safety data sheet	November 15, 2023 Version 4
References	Safety Data Sheets from manufacturer/supplier & from Canadian Centre for Occupational Health and Safety, CCOHS.
Abbreviations	
ACGIH	American Conference of Governmental Industrial Hygienists
ATE	Acute toxicity estimate
CAS	Chemical Abstract Service
DSL	Domestic Substance List
IARC	International Agency for Research on Cancer
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods Code
LC	Lethal concentration
LD	Lethal Dosage
NIOSH	National Institute for Occupational Safety and Health
NTP	National Toxicology Program (U.S.A.)
OSHA	Occupational Safety and Health Administration (U.S.A.)
PEL	Permissible Exposure Limit
STEL	Short-term Exposure Limit
TDG	Transport of dangerous goods in Canada
TLV	Threshold Limit Value
TSCA	Toxic Substances Control Act
TWA	Time Weighted Average
WHMIS	Workplace Hazardous Materials Information System
<p>To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.</p>	