



Safety Data Sheet

Surface Prep Cleaner

SECTION 1. IDENTIFICATION

Product Identifier	Surface Prep Cleaner
Other Identification	TNDS8076
Product Family	Alcohol solution
Manufacturer	Shrader Canada Limited 830 Progress Court Oakville, Ontario Canada L6L 6K1 +1.905.847.0222
Emergency Phone No.	Immediately contact your local poison control centre. CANUTEC, +1.613.996.6666, for transportation emergencies.
SDS No.	1948

SECTION 2. HAZARD IDENTIFICATION

Classified according to Canada's Hazardous Products Regulations (WHMIS 2015).

Classification

Flammable aerosol - Category 1; Gas under pressure - Compressed gas; Skin irritation - Category 3; Eye irritation - Category 2; Specific target organ toxicity (single exposure) - Category 3; Aspiration hazard - Category 1

Label Elements



Danger

Flammable aerosol.

Contains gas under pressure; may explode if heated.

Pressurized container: may burst if heated.

May be fatal if swallowed and enters airways.

Causes skin and eye irritation.

May cause drowsiness or dizziness.

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

Do not spray on an open flame or other ignition source.

Do not pierce or burn, even after use.

Use only outdoors or in a well-ventilated area.

Avoid breathing dust/fume/gas/mist/vapours/spray.

Wear protective gloves/eye protection/face protection.

IF SWALLOWED: Immediately call a POISON CENTRE/doctor/

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

IF ON SKIN: Wash with plenty of water.

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If skin irritation occurs: Get medical advice/attention.
Take off contaminated clothing and wash it before reuse.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.
Continue rinsing.
IF INHALED: If breathing is difficult, remove person to fresh air and keep comfortable for breathing.
Call a POISON CENTRE or doctor if you feel unwell.
Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.
Store in a well-ventilated place.
Dispose of contents and container in accordance with local, regional, national and international regulations.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Mixture:

Chemical Name	CAS No.	%	Other Identifiers	Other Names
Isopropanol	67-63-0	65 - 85%		
Liquified petroleum gas	68476-85-7	10 - 30%		

Notes

Concentration ranges due to batch processing. Documentation supporting composition variability is maintained.

SECTION 4. FIRST-AID MEASURES

First-aid Measures

Inhalation

Move victim to fresh air. Keep victim calm and warm. Administer oxygen if breathing is difficult. Call emergency medical service.

Skin Contact

Rinse skin with water.

Eye Contact

Rinse the contaminated eye(s) with lukewarm, gently flowing water for 5 minutes, while holding the eyelid(s) open. If eye irritation persists, get medical advice or attention.

Ingestion

Never give anything by mouth if person is rapidly losing consciousness, or is unconscious or convulsing. Do not induce vomiting. Immediately call a Poison Centre or doctor.

First-aid Comments

Get medical advice or attention if you feel unwell or are concerned.

Most Important Symptoms and Effects, Acute and Delayed

Aspiration hazard.

Immediate Medical Attention and Special Treatment

Medical Conditions Aggravated by Exposure

Asthma.

SECTION 5. FIRE-FIGHTING MEASURES

Extinguishing Media

Suitable Extinguishing Media

Carbon dioxide, dry chemical powder or appropriate foam.

Unsuitable Extinguishing Media

Do not use a direct stream of water.

Specific Hazards Arising from the Product

Flammable aerosol. contents under pressure. Contains gas under pressure; may explode if heated. May travel a

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considerable distance to a source of ignition and flash back to a leak or open container.
Carbon oxides, and other unidentified organic compounds.

Special Protective Equipment and Precautions for Fire-fighters

Use extreme caution. Fight fire from a safe distance or a protected location.
Fire-fighters should use standard protective equipment and in enclosed spaces, self-contained breathing apparatus (SCBA).

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment, and Emergency Procedures

Evacuate the area immediately. Isolate the hazard area. Keep out unnecessary and unprotected personnel.

Environmental Precautions

It is good practice to prevent releases into the environment.

Methods and Materials for Containment and Cleaning Up

Contain and soak up spill with absorbent that does not react with spilled product. Place used absorbent into suitable, covered, labelled containers for disposal. Do not direct water at spill or source.

Other Information

Report spills to local health, safety and environmental authorities, as required.

SECTION 7. HANDLING AND STORAGE

Precautions for Safe Handling

It is good practice to: avoid breathing product; avoid skin and eye contact and wash hands after handling. Eliminate heat and ignition sources such as sparks, open flames, hot surfaces and static discharge. Post "No Smoking" signs. Only use where there is adequate ventilation. Do not puncture or incinerate container even when empty.

Conditions for Safe Storage

Store at temperatures not exceeding: 40°C. Store in an area that is: cool, dry, well-ventilated.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Parameters

Chemical Name	ACGIH® TLV®		OSHA PEL		AIHA® WEEL®	
	TWA	STEL [C]	TWA	Ceiling	8-hr TWA	Short-term TWA [C]
Isopropanol	200 ppm A4	400 ppm	980000 mg/m3	Not established		

Appropriate Engineering Controls

Sufficient mechanical ventilation to maintain exposures below the TLV. Under normal conditions of use, general ventilation should be satisfactory. Local ventilation is recommended if the product is misted or used in a confined space or if the TLV is exceeded. Make up air should always be supplied to balance air exhausted.

Individual Protection Measures

Eye/Face Protection

Not required but it is good practice to wear safety glasses or chemical safety goggles.

Skin Protection

Not required, if used as directed.

Respiratory Protection

Not normally required if product is used as directed.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Basic Physical and Chemical Properties

Appearance Clear colourless.

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Odour	Alcoholic (Isopropanol)
Odour Threshold	Not available
pH	Not applicable
Melting Point/Freezing Point	~ -80 °C (estimated) (Isopropanol) (freezing)
Boiling point/Initial boiling point	~ 80 °C (estimated)
Flash Point	~ 12 °C (54 °F) (estimated) (Isopropanol)
Evaporation Rate	Not available
Upper/Lower Flammability or Explosive Limit	Not available (upper); Not available (lower)
Vapour Pressure	Not available
Vapour Density (air = 1)	~ 2 (estimated)
Relative Density (water = 1)	~ 0.79 at 15 °C
Solubility	Very soluble in water; Not available (in other liquids)
Partition Coefficient, n-Octanol/Water (Log Kow)	Not available
Auto-ignition Temperature	Not available
Decomposition Temperature	Not available
Viscosity	Not available (kinematic)

SECTION 10. STABILITY AND REACTIVITY

Reactivity

Not reactive under normal conditions of use.

Chemical Stability

Normally stable.

Possibility of Hazardous Reactions

None expected under normal conditions of storage and use.

Conditions to Avoid

Open flames, sparks, static discharge, heat and other ignition sources. Temperatures above 50.0 °C (122.0 °F)

Incompatible Materials

Increased risk of fire and explosion on contact with: strong oxidizing agents (e.g. perchloric acid). Reacts violently with: strong acids (e.g. hydrochloric acid).

Not corrosive to metals.

Hazardous Decomposition Products

Unstable peroxides carbon oxides.

SECTION 11. TOXICOLOGICAL INFORMATION

Prolonged or repeated inhalation of oil mist may cause oil pneumonia, lung tissue inflammation, and/or fibrous tissue formation, prolonged or repeated exposure can result in drying of the skin, irritation and dermatitis.

Likely Routes of Exposure

Inhalation; skin contact; eye contact.

Acute Toxicity

Chemical Name	LC50	LD50 (oral)	LD50 (dermal)
Isopropanol	17000 ppm (rat) (4-hour exposure)	4720 mg/kg (male rat)	12890 mg/kg (rabbit)

ATE (Inhalation)

88 ATEmix

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ATE (Oral)

7000 mg/kg (ATE)

ATE (Dermal)

20000 mg/kg (ATE)

Skin Corrosion/Irritation

Moderate skin irritant.

Serious Eye Damage/Irritation

Moderate to severe irritant.

STOT (Specific Target Organ Toxicity) - Single Exposure**Inhalation**

Excessive exposures may cause irritation to eyes, nose, throat, lungs, respiratory tract, central nervous system depression, headache, nausea and dizziness.

Skin Absorption

Dryness, irritation, redness and cracking.

Ingestion

Harmful effects on the kidneys. Symptoms may include nausea, vomiting, stomach cramps and diarrhea.

Aspiration Hazard

May be drawn into the lungs (aspirated) if swallowed or vomited. Aspiration into the lungs during swallowing or subsequent vomiting may cause chemical pneumonitis, which can be fatal.

STOT (Specific Target Organ Toxicity) - Repeated Exposure

No information was located.

Respiratory and/or Skin Sensitization

No information was located. Not known to be a skin sensitizer.

Carcinogenicity

Chemical Name	IARC	ACGIH®	NTP	OSHA
Isopropanol	Group 3	A4	Not Listed	Not Listed
Liquified petroleum gas	Not Listed	Not Listed	Not Listed	Not Listed

Not known to cause cancer. no components are listed as carcinogens by ACGIH, IARC, NTP or OSHA.

Key to Abbreviations

Group 3 = Not classifiable as to its carcinogenicity to humans. A4 = Not classifiable as a human carcinogen. IARC = International Agency for Research on Cancer. ACGIH® = American Conference of Governmental Industrial Hygienists. NTP = National Toxicology Program. OSHA = US Occupational Safety and Health Administration.

Reproductive Toxicity**Development of Offspring**

No information was located.

Sexual Function and Fertility

No information was located.

Effects on or via Lactation

No information was located.

Germ Cell Mutagenicity

No information was located.

SECTION 12. ECOLOGICAL INFORMATION

This section is not required by WHMIS.

Ecotoxicity

No information was located.

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal Methods

Contents under pressure. Empty containers retain product residue. Follow label warnings even if container appears to be empty. The container for this product can present explosion or fire hazards, even when emptied. Do not cut, puncture, or weld on or near this container. Do not puncture, incinerate or expose to heat when empty, dispose of in accordance with municipal, provincial/state or federal regulations.

SECTION 14. TRANSPORT INFORMATION

Regulation	UN No.	Proper Shipping Name	Transport Hazard Class(es)	Packing Group
Canadian TDG	UN1950	Aerosols	2.1	
IATA (Air)	UN1950	Aerosols, flammable	2.1	

Special Precautions Not applicable

Transport in Bulk according to International Maritime Organization Instruments

Not applicable

Emergency Response 126 EmS F-D, S-U

Guide No.

Other Information Product may ship as LTD QTY if TDG, ICAO/IATA or IMDG Limited Quantity provisions are met. ICAO/IATA PI Y203/203

SECTION 15. REGULATORY INFORMATION

Safety, Health and Environmental Regulations

UNITED STATES: tSCA: all components are listed or exempted. CERCLA: no substances found. CANADA: cEPA: All components are listed on the Domestic Substances List (DSL).

Canada

Domestic Substances List (DSL) / Non-Domestic Substances List (NDSL)

All ingredients are listed on the DSL/NDSL.

CEPA - National Pollutant Release Inventory (NPRI)

(Isopropanol) Part 1A.

USA

Toxic Substances Control Act (TSCA) Section 8(b)

All ingredients are listed on the TSCA Inventory.

SECTION 16. OTHER INFORMATION

NFPA Rating Health - 1 Flammability - 4 Instability - 0

SDS Prepared By Regulatory Department

Phone No. 800.201.9486

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Key to Abbreviations CANUTEC = Canadian Transportation Emergency Centre CAS = Chemical Abstract Services
IMDG = International Maritime Dangerous Goods Code LC = Lethal concentration LD = Lethal dose
TDG = Transportation of Dangerous Goods Regulations (Canada) TWA = Time weighted average
STEL = Short term exposure limit CCOHS = Canadian Centre for Occupational Health & Safety
IARC = International Agency for Research on Cancer ACGIH® = American Conference of Governmental Industrial Hygienists
NTP = National Toxicology Program OSHA = US Occupational Safety and Health Administration
RTECS® = Registry of Toxic Effects of Chemical Substances

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References

Material safety data sheet from manufacturer.
CHEMINFO database. Canadian Centre for Occupational Health and Safety (CCOHS).
HSDB® database. US National Library of Medicine. Available from Canadian Centre for Occupational Health and Safety (CCOHS).
Registry of Toxic Effects of Chemical Substances (RTECS®) database. Accelrys, Inc. Available from Canadian Centre for Occupational Health and Safety (CCOHS).
ECHA - European Chemical Agency, Classification and Labelling Inventory
GESTIS Substance Database
OECD - The Global Portal to Information on Chemical Substances - eChemPortal, 2015.

Disclaimer

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