

1. IDENTIFICATION OF SUBSTANCE / MIXTURE AND OF SUPPLIER

Product Identifier: mycolio lite Alcohol Wipes, 70% v/v alcohol blend
Product Form: Mixture
Other means of identification: Wipes impregnated with ethanol, isopropyl alcohol and water
Formula: N/Av

Recommended use of the chemical and restrictions on use:
General purpose cleanser wipes

Supplier Details:

CANADA

maxill inc.
80 Elm St.
St. Thomas, ON, Canada, N5R 6C8

USA

maxill inc.
500 W. Main Street
Cortland, OH
44410

Emergency Contact: maxill inc. 519-631-7370

24 hours: In Canada, CANUTEC: 613-996-6666

In USA/Canada, ChemTel: 1-800-255-3924, outside USA/Canada 1-813-248-0585

2. HAZARDS IDENTIFICATION

Flammable liquids	Category 2
Eye Damage/Irritation	Category 2A
Specific Target Organ Toxicity (Single Exposure)	Category 3

GHS label elements, including precautionary statements



Signal Word:
WARNING

Hazard statement(s)

Flammable liquid and vapor.
Causes serious eye irritation.
May cause drowsiness or dizziness

Precautionary statement(s)

Storage: Store in a well-ventilated place. Keep cool.

Disposal: Dispose of contents and container according to federal, state/provincial and municipal regulations.

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

Response: Keep away from heat, sparks, open flames, and hot surfaces. No smoking. Keep container tightly closed. In case of fire: Use appropriate media to extinguish. Wash hands thoroughly after handling. Wear protective gloves/eye protection/face protection. Avoid breathing mist, spray, vapours. Use only outdoors or in a well-ventilated area.

3. COMPOSITION AND INFORMATION ON INGREDIENTS

Chemical identity: Alcohols
Common name / Synonym: Isopropyl Alcohol 70%, 2-Propanol
CAS number: 67-63-0

%	Material	CAS
60 - 80	Ethyl Alcohol	64-17-5
1 - 5	Isopropyl Alcohol (2-Propanol)	67-63-0
15 - 40	Water	7732-18-5

4. FIRST AID MEASURES

First-aid measures general:

Severe poisoning occurs when the blood ethanol level is 0.3 – 0.5%. Above 0.5% the individual will be comatose and death can occur. The unabsorbed ethanol should be removed by gastric lavage after intubating the patient to prevent aspiration. Avoid the use of depressant drugs or the excessive administration of fluids.

First-aid measures after inhalation:

Remove the victim into fresh air. Respiratory problems: consult a doctor/medical attention.

First-aid measures after skin contact:

For undesired skin contact / overexposure, rinse skin with water. Soap may be used. Remove contaminated clothing and decontaminate clothing before reuse. Take victim to a doctor if irritation persists.

First-aid measures after eye contact:

Rinse immediately with plenty of water for at least 20 minutes, holding the eyelids open. See medical attention immediately.

First-aid measures after ingestion:

Never give anything by mouth if victim is rapidly losing consciousness or is unconscious or convulsing. Immediately after ingestion: give lots of water to drink. Do not induce vomiting. Consult a doctor/medical attention if you feel unwell. Ingestion of large quantities: take immediately to hospital. Doctor: gastric lavage.

5. FIRE FIGHTING MEASURES

Extinguishing Media

Suitable extinguishing media: Water spray. Polyvalent foam. Alcohol-resistant foam. BC powder. Carbon dioxide.

Unsuitable extinguishing media: Solid water jet ineffective as extinguishing medium.

Special hazards arising from the substance or mixture

Fire hazard:

DIRECT FIRE HAZARD. Flammable. Gas/vapour flammable with air within explosion limits. INDIRECT FIRE HAZARD. May be ignited by sparks. Gas/vapour spreads at floor level: ignition hazard.

Explosion hazard:

DIRECT EXPLOSION HAZARD. Gas/vapour explosive with air within explosion limits. INDIRECT EXPLOSION HAZARD. May be ignited by sparks. Reactions with explosion hazards: see "Reactivity Hazard".

Reactivity:

Upon combustion: CO and CO₂ are formed. Violent to explosive reaction with (strong) oxidizers. Prolonged storage/in large quantities: may form peroxides.

Advice for firefighters

Firefighting instructions:

Cool tanks/drums with water spray/remove them into safety. Do not move the load if exposed to heat.

Protection during firefighting:

Heat/fire exposure: compressed air/oxygen apparatus.

6. ACCIDENTAL RELEASE MEASURES

Spill: Contain spilled material

Provide adequate ventilation. Provide adequate personal protective equipment for responders.

Remove sources of heat, sparks or flames.

Spill should be collected in suitable containers or absorbed on a suitable absorbent material for subsequent disposal. Such containers used to contain spilled material and absorbent should be sealed off, otherwise the collected alcohol will evaporate.

Waste Disposal: Waster material should be disposed of in an approved incinerator or in a designated landfill site, in compliance with all federal, provincial and local government regulations.

7. HANDLING AND STORAGE

Precautions for safe handling / storage:

Keep away from heat, sparks and flames. Keep container closed when not in use. Use with adequate ventilation. Avoid breathing vapours. Avoid contact with eyes and skin. Wash exposed skin thoroughly after handling. Take precautions to prevent static electricity build-up when transferring contents.

Hygiene Measures:

Do not eat, drink or smoke when using this product. Wash contaminated clothing before reuse. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Control parameters, e.g., occupational exposure limit values or biological limit values:
Occupational Exposure Limits**

Isopropanol 70% v/v		
Source	Type	Value
US (OSHA PEL)	TWA	4000 ppm/980 mg/m ³
US (ACGIH)	TWA	200 ppm
US (ACGIH)	STEL	200 ppm

Appropriate engineering controls:

Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

Materials for protection:

GIVE EXCELLENT RESISTANCE: butyl rubber, nitrile rubber, viton, polyethylene/ethylenevinylalcohol.
GIVE GOOD RESISTANCE: neoprene.
GIVE LESS RESISTANCE: PVC. neoprene/natural rubber.
GIVE POOR RESISTANCE: natural rubber. polyethylene. PVA.

Hand protection:

Not required under normal conditions of use.

Eye protection:

Not required under normal conditions of use.

Skin and body protection:

Not required under normal conditions of use.

Respiratory protection:

Local general ventilation is recommended when handling. If concentration in air exceeds exposure limit, wear an approved organic vapour cartridge respirator. Consult a respirator guide.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance (<i>physical state, color, etc.</i>)	Wipes impregnated with liquid. Colorless liquid / invisible vapor.
Odor	Alcohol odour
Freezing point	< -45°C
Initial boiling point and boiling range	78°C
Flash point	25°C
Evaporation rate	2.3 (butylacetate=1), 21 (ether=1)
Flammability (solid, gas)	Flammable
Upper / Lower flammability or explosive limits	3.3– 19 vol (100% ethanol)
Vapor pressure	59.5 hPa (100% ethanol), 20°C
Vapor Density	1.6 at 20°C
Density	0.876 g/mL
Solubility(ies)	completely soluble
Decomposition temperature	Not pertinent
Auto-ignition temperature	Not available
Viscosity	Not available
Explosive properties	Not explosive
Oxidizing properties	Not oxidizing
Other properties	Gas/vapour heavier than air at 20°C. Clear. Volatile.

10. STABILITY AND REACTIVITY

Chemical Stability	Stable under recommended storage conditions.
Possibility of hazardous reactions	Oxidizing materials.
Conditions to avoid (e.g., static discharge, shock or vibration)	Direct sunlight. Heat. High temperature. Incompatible materials. Open flame. Sparks
Conditions to avoid	None currently known.
Hazardous combustion / decomposition products	Carbon dioxide. Carbon monoxide.
Hazardous polymerization	Will not occur

11. TOXICOLOGICAL INFORMATION

Acute toxicity:

Not classified

INGREDIENT	%v/v	TLV, ppm	LC50, ppm/4h	LD50, mg/kg	LD50, mg/kg
			RAT, INHAL.	RAT, ORAL	RABBIT, SKIN
Ethyl Alcohol	60 - 80	1000	31623	7060	20000
Isopropyl Alcohol	1 - 5	400	16970	4420	13000
Water	15 - 40	N/Ap	N/Ap	N/Ap	N/Ap

Skin corrosion/irritation:

Not classified

Serious eye damage/irritation:

Causes serious eye irritation.

mycolio Lite Alcohol Wipes
SAFETY DATA SHEET



Respiratory or skin sensitization:	Not classified
Germ cell mutagenicity:	Not classified
Carcinogenicity:	Not classified
Reproductive toxicity:	Not classified
Specific target organ toxicity (single exposure):	May cause drowsiness or dizziness.
Specific target organ toxicity (repeated exposure):	Not classified
Aspiration hazard:	Not classified
Symptoms/injuries after inhalation:	EXPOSURE TO HIGH CONCENTRATIONS: Coughing. Dry/sore throat. Central nervous system depression. Dizziness. Headache. Narcosis.
Symptoms/injuries after skin contact:	Dry skin.
Symptoms/injuries after eye contact:	Irritation of the eye tissue.
Symptoms/injuries after ingestion:	AFTER ABSORPTION OF HIGH QUANTITIES: Central nervous system depression. Headache. Dilation of the blood vessels. Low arterial pressure. Nausea. Vomiting. Abdominal pain. Disturbed motor response. Disturbances of consciousness. FOLLOWING SYMPTOMS MAY APPEAR LATER: Body temperature fall. Slowing respiration.
Chronic symptoms:	ON CONTINUOUS/REPEATED EXPOSURE/CONTACT: Red skin. Dry skin. Itching. Cracking of the skin. Skin rash/inflammation. Impaired memory.

12. ECOLOGICAL INFORMATION

Ethyl Alcohol CAS 64-17-5

Persistence and degradability: Biodegradation is expected.

Bioaccumulative potential: Bioaccumulation is unlikely

BOD: 740-840 mg/g

Isopropyl Alcohol CAS 67-63-0

Persistence and degradability: Readily biodegradable (77% degraded in 10 days). Expected to be hydrolytically stable, but rapidly degraded following atmospheric releases.

Bioaccumulative potential: Bioconcentration factor (BCF) of 3.16. (Predicted bioconcentration factor). Significant bioaccumulation is not expected based on predicted BCF of 3.16.

13. DISPOSAL CONSIDERATIONS

Waste treatment methods

Waste disposal recommendations: Remove waste in accordance with local and/or national regulations. Hazardous waste shall not be mixed together with other waste. Different types of hazardous waste shall not be mixed together if this may entail a risk of pollution or create problems for the further management of the waste. Hazardous waste shall be managed responsibly. All entities that store, transport or handle hazardous waste shall take the necessary measures to prevent risks of pollution or damage to people or animals. Recycle by distillation. Remove to an authorized waste incinerator for solvents with energy recovery. Do not discharge into surface water. Obtain the consent of pollution control authorities before discharging to wastewater treatment plants.

14. TRANSPORT INFORMATION

In accordance with DOT

Transport document description: UN1987 ALCOHOLS, N.O.S (ETHANOL, ISOPROPANOL),
3, III

UN-No.(DOT): 1987

DOT NA no.: UN1987

DOT Proper Shipping Name: ALCOHOLS, N.O.S (ETHANOL, ISOPROPANOL)

Department of Transportation (DOT) Hazard Classes: 3 - Class 3 - Flammable and combustible liquid 49 CFR 173.120

Hazard labels (DOT): 3 - Flammable liquid



Air transport

UN-No.(IATA): 1987

Proper Shipping Name: ALCOHOLS, N.O.S (ETHANOL, ISOPROPANOL)

Class (IATA): 3 - Flammable Liquids

Packing group (IATA): III - Low Danger

15. REGULATORY INFORMATION

US federal regulations: This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D): Not regulated.

CERCLA Hazardous Substance List (40 CFR 302.4): Not listed.

SARA 304 Emergency release notification: Not regulated.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053): Not regulated.

International Inventories

Country(s) or region	Inventory name	On inventory (yes/no)*
Canada	Non-Domestic Substances List (NDSL)	No
Canada	Domestic Substances List (DSL)	Yes
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

16. OTHER INFORMATION: INCLUDING INFORMATION ON PREPARATION AND REVISION OF THE SDS

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