



SAFETY DATA SHEET
Reliable Maintenance Products Ltd.
Reliable Foaming Hand Sanitizer

1. IDENTIFICATION OF THE SUBSTANCE OR PREPARATION AND OF THE COMPANY

Identification of Preparation:	Reliable Foaming Hand sanitizer
Date of Safety Data Sheet:	April 28, 2020
Use of Preparation:	Hand Sanitizer
Company Identification:	Reliable Maintenance Products Ltd. 345 Regent Street Sudbury, Ontario P3C 4E1
Company Emergency Telephone Number	Emergency Phone: 705-675-5281 / 1-800-461-6254
Transportation Emergency Telephone Number	CANUTEC 613-996-6666 or * 666 for cell phone

2. HAZARD IDENTIFICATION

Emergency Overview:

OSHA/ WHMIS 2015 Hazards:

This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1920.1200)

Classification of substances or mixture

GHS-US/ Canadian classification:

Flammable Liquids Category 2 H225

Serious Eye Damage / Eye Irritation Category 2A H319

STOT Single exposure, Narcotic effects Category 3 H336

Label Elements

GHS-US Labeling

Hazard Pictograms (GHS):



Signal Word (GHS): Danger!

Hazard Statements (GHS):

H225: Highly Flammable liquid and vapour.

H319: Causes serious eye irritation.

H336: May cause drowsiness and dizziness.

Precautionary Statements (GHS):

P210: Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

P233: Keep container tightly closed.

P242: Use only non-sparking tools.



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P261: Avoid breathing mist, spray, vapours
P264: Wash hands thoroughly after handling.
P271: Use only outdoors or in a well-ventilated area.
P280: Wear protective eyes / face protection.

Response Statements (GHS):

P304 + P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P312: Call a POISON CENTER or doctor/ physician if you feel unwell.
P337+P313: If eye irritation persists. Get medical advice/ attention.
P370 + P378 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam for extinction.
P501: Dispose of contents / container in accordance with local regulations.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Description: Chemical Blend

Ingredient	CAS#	% by Wt	Classification
Isopropyl Alcohol (2-Propanol)	67-63-0	60-100	Flammable Liquids Category 2 –H225 Acute Toxicity (Oral) Category 5 - H303 Serious Eye Damage/Irritation Category 2A – H319

4. FIRST AID MEASURES

Inhalation: Remove to fresh air. If symptoms persist consult physician. May cause drowsiness if insufficient ventilation.

Eye Contact: Remove contacts. Flush with water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical attention immediately.

Skin Contact: Thoroughly wash exposed skin with soap and water. Remove any contaminated clothing and wash before reuse.

Ingestion: DO NOT induce vomiting. If vomiting does occur, have victim lean forward to prevent aspiration. Rinse mouth with water. Seek medical attention. Never give anything by mouth to an unconscious individual.

Notes to Physician: Treatment based on judgment of attending physician.

5. FIRE FIGHTING MEASURES

Suitable extinguishing media: Any standard extinguishing media (alcohol foam, water spray or fog, CO2 dry chemical, etc.).

Unsuitable extinguishing media: Water jet.



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Special exposure hazards:	None known.
Special safety equipment:	Self-contained positive pressure breathing apparatus and protective clothing.
Fire and explosion	
Further information	None

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures

General Measures: Do not get in eyes, on skin, or on clothing. Do not breathe vapour or mist.

For Non-Emergency Personnel:

Protective Equipment: Use appropriate personal protection equipment (PPE).

Emergency Procedures: Evacuate unnecessary personnel.

For Emergency Personnel:

Protective Equipment: Equip cleanup crew with proper protection.

Emergency Procedures: Stop leak if safe to do so. Ventilate area.

Environmental Precautions

Prevent entry to sewers and public waters.

Methods and Material for Containment and Cleaning Up:

For Containment: Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.

Methods for Cleaning Up: Clear up spills immediately and dispose of waste safely.

Reference to Other Sections: See Heading 8. Exposure controls and personal protection.

7. HANDLING AND STORAGE

Precautions for safe handling:

Ensure good ventilation/exhaustion at the workplace.

Prevent formation of aerosols.

Avoid splashes or spray in enclosed areas.

Use with adequate ventilation. Avoid breathing vapours.

Information about fire and explosion protection:

Keep respiratory protective device available.

No special measures required.

Conditions for safe storage, including any incompatibilities

Storage:

Requirements to be met by storerooms and receptacles:

Store in a cool location.

Avoid storage near extreme heat, ignition sources or open flame.

Information about storage in one common storage facility:

Store away from oxidizing agents.

Store away from foodstuffs.

Further information about storage conditions:

Store in cool, dry conditions in well sealed receptacles.

Store receptacle in a well-ventilated area.

Keep container tightly sealed.

Specific end use(s) No further relevant information available.

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8. EXPOSURE CONTROLS / PERSONAL PROTECTION

INDUSTRIAL PRODUCTION

Respiratory protection:	Use local exhaust or dilution ventilation.
Hand protection:	Chemical resistant gloves.
Eye protection:	Safety goggles or full face shield.
Skin protection:	Use body-covering impervious clothing.
Working hygiene:	Take usual precautions when handling. Workers should wash hands before eating, drinking or smoking.
Exposure guidelines:	Propan-2-ol ACGIH TLV TWA 200 ppm 8 hours STEL 400 ppm 15 minutes OSHA TWA 400 ppm 8 hours STEL 500 ppm 15 minutes

HOUSEHOLD AND PERSONAL USE

Respiratory protection:	Use local exhaust or dilution ventilation.
Hand protection:	No special requirements
Eye protection:	No special requirements
Skin protection:	No special requirements

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical and Chemical Properties

Physical State	Clear liquid.	Odour	Typical, alcohol like.
Appearance		Odour Threshold	No data available.
Colour	Clear to amber.		

<u>Property</u>	<u>Values</u>	<u>Remarks/Method</u>
pH	7-8	
Melting/Freezing Point		
Boiling Point/Range	82.22 C 180 F	
Flash Point	12.22°C 54 F(TCC)	
Flammability (solid, gas)	Liquid	
Flammability Limit in Air:		
Upper Limit	2 % (V)	
Lower Limit	12.7 %(V)	
Vapour Pressure	No data available	
Vapour density	No data available	
Specific Gravity	0.77-0.80	
Water Solubility	Negligible.	



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Solubility Other Solvents	Soluble.
Partition Coefficient:	No data available
n-octanol/water	No data available
Autoignition temperature	No data available
Decomposition Temperature	No data available
Kinematic Viscosity	No data available
Dynamic Viscosity	No data available
Explosive Properties	No data available
Oxidizing Properties	No data available

Other Properties:

Softening Point	No data available
VOC Content %	No data available
Particle Size	liquid
Particle Size Distribution	Not applicable

10. STABILITY AND REACTIVITY

Reactivity	Stable at normal conditions of use.
Chemical stability	Stable at normal conditions of use.
Thermal decomposition/conditions to avoid:	
Possibility of hazardous reactions	None known.
Conditions to avoid	Avoid heat, sparks, open flames and other ignition sources. Thermal decomposition is highly dependent on conditions. A complex mixture of airborne solids, liquids and gases, including carbon monoxide, carbon dioxide and other organic compounds will be evolved when this material undergoes combustion or thermal or oxidative degradation.
Hazardous decomposition products	
Materials to avoid	Oxidizing agents.
Hazardous polymerization	Will not occur

11. TOXICOLOGICAL INFORMATION

Information on toxicological effects

Acute toxicity:

LD/LC50 values relevant for classification

Isopropyl Alcohol (2-Propanol) CAS #67-63-0:

LD 50 oral rat > 1,800mg/kg.

LD 50 Dermal rabbit > 5,000 mg/kg.

On the eye: Irritation.

Carcinogenicity:

Chemical Name CAS Number IARC NTP OSHA

No ingredient listed.

Chronic Effects:

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Mutagenicity: No evidence of a mutagenic effect.
Teratogenicity: No evidence of a teratogenic effect (birth defect).
Sensitization: No data available for mixture.
Reproductive: No evidence of negative reproductive effects.
Target Organ Effects:
Acute: May cause drowsiness or dizziness.
Chronic: None known

12. ECOLOGICAL INFORMATION

Toxicity:	No significant effects or critical hazards
Persistence and Degradability:	No significant effects or critical hazards
Bioaccumulative Potential:	Not available
Mobility in Soil:	Not available.
Other Adverse Effects	No significant effects or critical hazards
Other Information:	Avoid release to the environment.

13. DISPOSAL

Waste Disposal Recommendations: Dispose of waste material in accordance with all local, regional, national, and international regulations.
Ecology – Waste Materials: Avoid release to the environment.
Other: Non refillable container. DO NOT reuse or refill container. Triple rinse container promptly after emptying. Then offer for recycling if available, or puncture and dispose of in sanitary landfill, or by other procedures approved by state and local authorities.

14. TRANSPORTATION INFORMATION

Canadian TDG (Road & Rail): Limited quantity for 1 litre or less
Proper Shipping Name: Flammable Liquid N.O.S.
Contains: Isopropyl Alcohol
Hazard Class: 3
Identification number: UN 1993
Packing Group: II



U.S. Department of Transportation (DOT):
Proper Shipping Name: Flammable Liquid N.O.S.
Contains: Isopropyl Alcohol



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Hazard Class: 3
Identification number: UN 1993
Packing Group: II



Water Transportation (IMO):
Proper Shipping Name: Flammable Liquid N.O.S.
Contains: Isopropyl Alcohol
Hazard Class: 3
Identification number: UN 1993
Packing Group: II



Air Transportation (IATA):
Proper Shipping Name: Flammable Liquid N.O.S.
Contains: Isopropyl Alcohol
Hazard Class: 3
Identification number: UN 1993
Packing Group: II



15. REGULATION

Occupational Health & Safety Regulations:

OSHA & WHMIS: MSDS prepared pursuant to the Hazard Communication Standard (CFR29 1910.1200) and Canadian WHMIS regulations (Controlled Products Regulations under the Hazardous Products Act).

Environmental Regulatory Lists:

SARA: Section 313 (Toxic Chemical Release Reporting) 40 CFR 372 – None of the ingredients are listed.

Toxic Substances Control Act (TSCA): All the ingredients are listed on the Chemical Substance Inventory

Canadian Non-Domestic Substance List (NDSL): All ingredients are listed.



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California Prop. 65

The following components of this product are substances, or belong to classes of substances, known to the state of California to cause cancer and/or reproductive toxicity: **none**

SARA Section 311/312 Hazard Classes Immediate (acute) Health Hazard. Fire Hazard. Delayed (chronic) Health Hazard.

HMIS III Rating

Health: 2

Flammability: 3

Physical: 0

Personal Protection: B

SDS US (GHS HazCom 2012 and WHMIS 2015)

16. OTHER INFORMATION

Prepared By: Lizmar
551 Catchmore Road,
Campbellford, Ontario
K0L 1L0

Issuing Date: April 28, 2020

Revision Date:

Revision Notes:

Disclaimer:

The manufacturer warrants that this product conforms to its standard specification when used according to direction. To the best of our knowledge the information contained herein is accurate. However, we do not assume accuracy or completeness of the information contained herein.

Final determination of the 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.

End of Safety Data Sheet



FICHE DE DONNÉES DE SÉCURITÉ

Reliable Maintenance Products Ltd.

Reliable Foaming Hand Sanitizer / Reliable Désinfectant pour les mains moussant

1. IDENTIFICATION DE LA SUBSTANCE/DE LA PREPARATION ET DE LA SOCIETE/LENTERPRISE

Identificateur de produit: Reliable Foaming Hand Sanitizer / Reliable Désinfectant pour les mains moussant

Date de fiche de données de sécurité : Le 28 Avril, 2020

L'utilisation de la préparation : Désinfectants pour les mains
Fabricant: Reliable Maintenance Products Ltd.
345 Regent Street
Sudbury, Ontario
P3C 4E1

Numéro de téléphone d'urgence : 705-675-5281 / 1-800-461-6254

Urgence de transport numéro de téléphone : CANUTEC 613-996-6666 au * 666 pour téléphone cellulaire

2. IDENTIFICATION DES DANGERS

Vue d'ensemble d'urgence :

OSHA / WHMIS 2015 Dangers:

Ce matériau est considéré comme dangereux par la norme de communication des risques OSHA (29 CFR 1920.1200)

Classification de la substance ou du mélange

SGH- US / Canadien classification:

Liquides inflammables Catégorie 2 H225

Lésions oculaires graves / irritation oculaire Catégorie 2A H319

STOT Exposition unique, Effets narcotiques Catégorie 3 H336

Éléments d'étiquetage

SGH-US/ Canadien étiquetage

Pictogrammes de danger (SGH) :



Mention d'avertissement (SGH): Danger

Déclarations de danger (SGH) :

H225 : Liquide et vapeurs très inflammables.

H319: Provoque une sévère irritation des yeux.

H336: Peut provoquer somnolence et vertiges.

Conseils de prudence (SGH) :

P210 : Tenir à l'écart de la chaleur, des surfaces chaudes et de la lumière directe du soleil.

P233: Conserver le récipient bien fermé.



FICHE DE DONNÉES DE SÉCURITÉ

Reliable Maintenance Products Ltd.

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P242: Utilisez uniquement des outils anti-étincelles.
P261 : Éviter de respirer les poussières / brouillards / vapeurs.
P264 : Laver soigneusement la peau après manipulation.
P271 : Utiliser seulement à l'extérieur ou dans un endroit bien ventilé.
P280 : Porter un équipement de protection des yeux / du visage.

Déclarations de réponse (SGH) :

P304 + P340 EN CAS D'INHALATION : Transporter la victime à l'extérieur et la maintenir au repos dans une position où elle peut confortablement respirer.
P305 + P351 + P338 : EN CAS DE CONTACT AVEC LES YEUX : Rincer avec précaution à l'eau pendant plusieurs minutes. Enlever les lentilles de contact, si présentes et faciles à faire. Continuez à rincer.
P312 : Appeler un CENTRE ANTIPOISON ou un médecin en cas de malaise.
P337 + P313: Si l'irritation oculaire persiste. Obtenez des conseils / soins médicaux.
P370 + P378 - En cas d'incendie : Utiliser du sable sec, un produit chimique sec ou une mousse résistant à l'alcool pour l'extinction.
P501 : Éliminer le contenu / récipient conformément à la réglementation locale.

3. COMPOSITION/INFORMATION SUR LES COMPOSANTS

Description chimique : Chimique

Nom chimique	N° CAS	% en poids	Classification
Alcool isopropylique (2-Propanol)	67-63-0	15-30	Liquides inflammables Catégorie 2 - H225 Toxicité Aiguë (Orale) Catégorie 5 - H303 Lésions oculaires graves / Irritant oculaire Catégorie 2A- H319

4. PREMIERS SOINS

Inhalation: Emmener à l'air frais. Si les symptômes persistent, consultez un médecin. Peut provoquer somnolence en cas de ventilation insuffisante.

Contact avec les yeux: Retirer contacts. Rincer à l'eau pendant au moins 15 minutes, en soulevant occasionnellement les paupières supérieures et inférieures. Consulter immédiatement un médecin.

Contact avec la peau: Laver soigneusement la peau exposée à l'eau et au savon. Enlever les vêtements contaminés et les laver avant de les réutiliser.

Ingestion: NE PAS faire vomir. En cas de vomissement, faire pencher la victime en avant pour éviter l'aspiration. Rincer la bouche avec de l'eau. Consultez un médecin. Ne jamais rien administrer par la bouche à un individu inconscient.

Notes au médecin : Traitement basé sur le jugement du médecin traitant.

5. MESURES À PRENDRE EN CAS D'INCENDIE

Agents extincteurs appropriés: Tout moyen d'extinction standard (mousse d'alcool, eau pulvérisée ou brouillard, poudre chimique CO₂, etc.).

Agents extincteurs inappropriés: Jet d'eau.

Date : Le 28 Avril, 2020

SDS: Reliable Maintenance Products Ltd. Reliable Instant Hand Sanitizer / Reliable Désinfectant pour les mains instantané