SAFETY DATA SHEET

Checkers Hand Sanitizer Gel

Issuing Date March 20, 2020

SECTION 1. IDENTIFICATION

1.1	GHS Product Identifier:	ProClean Hand Sanitizer
	Synonyms:	N/A
	Chemical Name:	N/A
	Product type:	Hydro-Alcoholic Gel
1.2	Relevant identified uses of the substance or mixture and uses advised against	
	Product use:	Hand Sanitizer
	Product restriction:	This is a personal care product that is safe for consumers and other users under normal and reasonably foreseeable use. While this material is not considered hazardous, this SDS contains valuable information critical to the safe handling and proper use of the product for industrial workplace conditions as well as unusual and unintended exposures such as large spills. This SDS should be retained and available for employees and other users of this product. For specific intended-use guidance, please refer to the information provided on the package or instruction sheet.
1.3	Supplier/Manufacturer:	Progressive Industrial Fluid Ltd 7305 East Danbro Crescent Mississauga, Ontario L5N 6P8
	Email (competent person)	orderdesk@pifl.ca
1.4	Emergency Tel:	(613)-996-6666

SECTION 2. HAZARDS IDENTIFICATION

Emergency Overview

Physical state	Gel

Colour	Clear, colorless
Odour	Alcohol like

GHS Classification of the substance or mixture

Flammable liquids	Category 3
Eye irritation	Category 2A

GHS Label Elements:

Signal word: Warning

Hazard Symbol

Hazard Statements:
H226 Flammable liquid and vapour.
H319 Causes serious eye irritation.

Precautionary statements

Prevention:
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P233 Keep container tightly closed.
P240 Ground/bond container and receiving equipment.
P241 Use explosion-proof electrical/ ventilating/ lighting/equipment.
P242 Use only non-sparking tools.
P243 Take precautionary measures against static discharge.
P280 Wear eye protection/ face protection.
Response:
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
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 to extinguish.
Storage:
P403 + P235 Store in a well-ventilated place. Keep cool.
Disposal:

P501 Dispose of contents/ container to an approved waste disposal plant.

Potential Health Effects

Primary Routes of Entry	Inhalation Eye contact Skin contact
Aggravated Medical Condition	None known

Carcinogenicity:

IARC	No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC

SECTION 3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	CAS-No.	Weight %
Isopropyl Alcohol	67-63-0	60 - 80

SECTION 4. FIRST AID MEASURES

4.1 Description of necessary first aid measures

Eye contact:	In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. If easy to do, remove contact lens, if worn. Seek medical advice.
Inhalation:	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms persist.
Skin contact:	Wash skin thoroughly with soap and water. Get medical attention if irritation develops.
Ingestion:	Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.

4.2 Most Important Symptoms/Effects, Acute and Delayed:

	Causes serious eye irritation.
Protection of first-aiders	First Aid responders should pay attention to self-protection and use the recommended protective clothing.

SECTION 5. FIRE- FIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media:	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Unsuitable extinguishing media:	High volume water jet.

5.2 Specific hazards arising from the chemical

Specific hazards during firefighting:	Do not use a solid water stream as it may scatter and spread fire. Flash back possible over considerable distance. May form explosive mixtures in air. Carbon oxides.

5.3

Special protective actions and Equipment for fire-fighters:	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Use water spray to cool unopened containers. In the event of fire, wear self-contained breathing apparatus. Use personal protective equipment
Additional information	Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

SECTION 6. ACCIDENTAL RELEASE MEASURES

6.1 Personal Precautions, Protective Equipment and Emergency Procedures:

	Use personal protective equipment.

		Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak. Material can create slippery conditions..
6.2	Environmental Precautions:	Discharge into the environment must be avoided. Prevent further leakage or spillage if safe to do so. Retain and dispose of contaminated wash water. Local authorities should be advised if significant spillages cannot be contained.
6.3	Methods and Materials for Containment and Cleaning Up:	
		Non-sparking tools should be used. Soak up with inert absorbent material. Suppress (knock down) gases/vapours/mists with a water spray jet. Keep in suitable, closed containers for disposal. Clean contaminated floors and objects thoroughly while observing environmental regulations.
	For emergency responders:	If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For nonemergency personnel".

SECTION 7. HANDLING AND STORAGE

7.1	Precautions for Safe Handling:	For personal protection see section 8. Keep away from heat. Use with local exhaust ventilation. Avoid contact with eyes.
7.2	Conditions for Storage Including any Incompatibilities:	
		Take measures to prevent the build up of electrostatic charge. Keep in properly labelled containers. Keep containers tightly closed in a dry, cool and well ventilated place. Store in accordance with the particular national regulations..

SECTION 8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

8.1 Components with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
Isopropyl Alcohol	67-63-0	TWA	200 ppm 492 mg/m3	CA AB OEL
		STEL	400 ppm 984 mg/m3	CA AB OEL
		TWA	200 ppm	CA BC OEL
		STEL	400 ppm	CA BC OEL
		TWAEV	400 ppm 983 mg/m3	CA QC OEL
		STEV	500 ppm 1,230 mg/m3	CA QC OEL
		TWA	200 ppm	ACGIH
		STEL	400 ppm	ACGIH

Biological occupational exposure limits

Components	CAS-No.	Control parameters	Biological specimen	Sampling time	Permissible concentration	Basis
Isopropyl Alcohol	67-63-0	Acetone	Urine	End of shift at end of workweek	40 mg/l	ACGIH BEI

Personal protective equipment

Respiratory protection — No personal respiratory protective equipment normally required.

Hand protection

Remarks — No special protective equipment required.

Eye protection — Wear face-shield and protective suit for abnormal processing problems.

Skin and body protection — No special measures necessary provided product is used correctly.

Protective measures — Choose body protection in relation to its type, to the

	concentration and amount of dangerous substances, and to the specific work-place. Ensure that eye flushing systems and safety showers are located close to the working place.
Hygiene measures	Handle in accordance with good industrial hygiene and safety practice. Avoid contact with eyes.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical state:	Gel
Color:	Colorless
Odor:	Alcohol like
pH:	6-9
Freezing point:	Not available
Boiling point:	No data
Flash point:	25^{o}C
Evaporation rate:	No data
Flammability (solid, gas)	Not available
Lower and upper explosive (flammable) limits:	Not available
Vapor pressure:	Not available
Vapor density:	Not available
Specific gravity:	0.9
Solubility in water:	Yes
Solubility in other solvents:	Not determined
Auto-ignition temperature:	Not determined
Decomposition temperature:	Not determined
Viscosity:	1000 - 30000 cSt @20 °C

SECTION 10. STABILITY AND REACTIVITY

10.1	Reactivity:	No specific test data related to reactivity available for this product or its ingredients.
10.2	Chemical stability:	The product is stable under normal conditions
10.3	Possibility of hazardous reactions:	Vapours may form explosive mixture with air.

10.4	Conditions to avoid:	Heat, flames and sparks.
10.5	Incompatible materials:	Strong oxidizing agents Flammable solids Self-reactive substances and mixtures Water-reactive substances.

SECTION 11. TOXICOLOGY INFORMATION

Information on likely routes of exposure

Inhalation
Eye contact
Skin contact

Acute toxicity Not classified based on available information

Components:
Isopropyl Alcohol

Acute oral toxicity	LD50 (Rat): > 5,000 mg/kg
Acute inhalation toxicity	LC50 (Rat): 72.6 mg/l Exposure time: 4 h Test atmosphere: vapour
Acute dermal toxicity	LD50 (Rat): > 5,000 mg/kg

Skin corrosion/irritation Not classified based on available information.

Components:
Isopropyl Alcohol

Species	Rabbit
Result	No skin irritation

Serious eye damage/eye irritation
Causes serious eye irritation.

Components:
Isopropyl Alcohol

Species	Rabbit
Result	Irritation to eyes, reversing within 21 days

Respiratory or skin methoxide

Skin sensitisation: Not classified based on available information.

Respiratory sensitisation: Not classified based on available information.

Components:

Isopropyl Alcohol
Test Type: Buehler Test
Exposure routes: Skin contact
Species: Guinea pig
Method: OECD Test Guideline 406
Result: negative

Germ cell mutagenicity Not classified based on available information.

Genotoxicity in vitro : Test Type: Bacterial reverse mutation assay (AMES). Result: negative

Genotoxicity in vivo : Test Type: Mammalian erythrocyte micronucleus test (in vivo cytogenetic assay)
Test species: Mouse
Application Route: Intraperitoneal injection
Result: negative

Carcinogenicity
Not classified based on available information.

Reproductive toxicity
Not classified based on available information.

STOT - single exposure
Not classified based on available information.

Components:
Isopropyl Alcohol:
Assessment: May cause drowsiness or dizziness.

STOT - repeated exposure
Not classified based on available information.
Repeated dose toxicity

Aspiration toxicity
Not classified based on available information.

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

Isopropyl Alcohol:

Toxicity to fish	LC50 (Pimephales promelas (fathead minnow)): 10,000 mg/l Exposure time: 96 h

Toxicity to daphnia and other aquatic invertebrates: EC50 (Daphnia magna (Water flea)): > 10,000 mg/l Exposure time: 24 h

Toxicity to bacteria :	EC50 (Pseudomonas putida): > 1,050 mg/l Exposure time: 16 h

Persistence and degradability

Biodegradability	Result: rapidly degradable

Bioaccumulative potential

Partition coefficient: octanol/water	log Pow: 0.05

Mobility in soil

No data available

Other adverse effects

No data available

SECTION 13. DISPOSAL CONSIDERATIONS

13.1	Waste disposal methods:	Dispose of in accordance with local regulations. Dispose of as unused product. Empty containers should be taken to an approved waste handling site for recycling or disposal.

SECTION 14. TRANSPORT INFORMATION

International Regulation

IATA-DGR

UN/ID No.	UN 1219
Proper shipping name :	Alcohols, n.o.s. (Isopropanol, Propan-2-ol)
Class :	3

Packing group :	III
Packing instruction (cargo aircraft):	366
Packing instruction (passenger aircraft):	355

IMDG-Code

UN number :	UN 1219
Proper shipping name :	ALCOHOLS, N.O.S. (Isopropanol, Propan-2-ol)
Class :	3
Packing group :	III
Labels :	3
EmS Code :	F-E, S-D
Marine pollutant :	no

National Regulations

TDG

UN number :	UN 1219
Proper shipping name :	ALCOHOLS, N.O.S. (Isopropanol, Propan-2-ol)
Class :	3
Packing group :	III
Labels :	3
ERG Code :	127
Marine pollutant :	no

SECTION 15. REGULATORY INFORMATION

WHMIS Classification : B2: Flammable liquid
D2B: Toxic Material Causing Other Toxic Effects

This product has been classified according to the hazard criteria of the CPR and the MSDS contains all of the information required by the CPR.

The components of this product are reported in the following inventories:

TSCA : On TSCA Inventory
AICS : On the inventory, or in compliance with the inventory
DSL : On the inventory, or in compliance with the inventory
ENCS : On the inventory, or in compliance with the inventory

ISHL : On the inventory, or in compliance with the inventory
KECI : On the inventory, or in compliance with the inventory
PICCS : On the inventory, or in compliance with the inventory
IECSC : On the inventory, or in compliance with the inventory
NZIoC : On the inventory, or in compliance with the inventory

Inventories

AICS (Australia), DSL (Canada), IECSC (China), REACH (European Union), ENCS (Japan), ISHL(Japan), KECI (Korea), NZIoC (New Zealand), PICCS (Philippines), TCSI (Taiwan), TSCA (USA)

16. OTHER INFORMATION

Issuing Date 20-MAR-2020
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Disclaimer

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