SAFETY DATA SHEET
Tize-It!™ Hand Sanitizer

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1. Chemical Product and Company Identification

Product name: Tize-It!™
Product class: 75% Isopropyl Alcohol (v/v)

Supplier
Premier Dental Products Company
1710 Romano Drive
Plymouth Meeting, PA 19462
Phone: 610-239-6000 Fax: 610-239-6171

Emergency Phone: 610-239-6000

Recommended use of the chemical and restrictions on use:
Hand sanitizer to help reduce bacteria that potentially can cause disease. For use when soap and water are not available.

Do not use in children less than 2 months of age
Do not use on open skin wounds

2. Hazards Identification

Classification of the substance or mixture:

Highly flammable liquid and vapor: Category 2	H225
Causes serious eye Irritation: Category 2A	H319
May cause drowsiness or dizziness: Category 3	H336

Label elements:
GHS label elements
The product is classified and labeled according to the Globally Harmonized System (GHS).
Hazard pictograms:

Signal word: Danger

Hazard statements:
H225: Highly flammable liquid and vapor
H319: Causes serious eye Irritation
H336: May cause drowsiness or dizziness:

Precautionary statements:

P210	Keep away from heat/sparks/open flames/hot surfaces. 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.
P261	Avoid breathing dust/fume/gas/mist/vapors/spray.
P264	Wash hands thoroughly after handling.
P271	Use only outdoors or in a well-ventilated area.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P303+P361+P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P370+P378	In case of fire: Use appropriate media to extinguish.
P403+P233	Store in a well-ventilated place. Keep container tightly closed.
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.
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P312	Call a POISON CENTER/doctor/physician if you feel unwell.
P405	Store locked up.
P501	Dispose of contents/container in accordance with local regulations.

NFPA ratings (scale 0 - 4)

Health = 2
Fire = 3
Reactivity = 0

HMIS-ratings (scale 0 - 4)

Health = 2
Fire = 3
Reactivity = 0

3. Composition / Information on Hazardous Ingredients

Chemical characterization: Mixtures
Description: Mixture of substances listed below

Components:		v/v
CAS: 67-63-0	Isopropyl Alcohol	75.0%
CAS: 56-81-5	Glycerin	1.45%
CAS: 7722-84-1	Hydrogen peroxide	0.125%
CAS: 7732-18-5	Water	23.42%

4. First Aid Measures

Description of first aid measures:

After inhalation:

If inhaled, remove to fresh air. If respiratory problems occur, consult a doctor/medical service.

After skin contact:

If skin irritation occurs, consult a doctor/medical service.

After eye contact:

Rinse opened eye for several minutes under running water. Then consult a doctor. If easy to do so, remove contact lenses. Do not apply neutralizing agents. Take victim to an ophthalmologist if irritation persists.

After swallowing:

Do not induce vomiting without medical advice. Call Poison Information Center. Never give anything by mouth to an unconscious person. If conscious, wash out mouth with water.

If swallowed and symptoms occur, consult a doctor/medical service.

5. Fire-Fighting Measures

Suitable extinguishing agents:

Alcohol-resistant foam, water spray or fog. Dry chemical powder, carbon dioxide, sand or earth may be used for small fires only.

Special hazards arising from the substance or mixture:

Emits toxic fumes (carbon oxides) under fire conditions.

Advice for firefighters:

Protective equipment:

Mouth respiratory protective device.

As in any fire, wear self-contained breathing apparatus pressure-demand (NIOSH approved or equivalent) and full protective gear to prevent contact with skin and eyes.

6. Accidental Release Measures

Personal precautions, protective equipment and emergency procedures:

Wear appropriate breathing apparatus, protective clothing gloves and eye/face protection. Refer to section 8.

Environmental precautions:

Do not allow to enter sewers/surface or ground water.

Methods and material for containment and cleaning up:

Absorb with noncombustible absorbent material, (i.e. sand, diatomite, universal binders, sawdust) then place in a suitable container for disposal. Ensure adequate ventilation. Dispose of the collected material according to regulations.

Reference to other sections:

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment. See Section 13 for disposal information.

7. Handling and Storage

Precautions for safe handling:

Keep away from heat. Keep away from sources of ignition. **T**ake precautions against electrostatic charges.

Do not ingest. Do not breathe gas/fumes/vapor/spray. Wear suitable protective clothing. In case of insufficient ventilation, wear suitable. respiratory equipment. If ingested, seek medical advice immediately and show the container or the label. Avoid contact with eyes. Do not eat, drink or smoke when using this product.

Storage

Store in a cool, well-ventilated area in sealed containers. Do not store in open or unlabeled containers. Store away from strong oxidizing agents or combustible material.

8. Exposure Controls / Personal Protection

Component	Exposure Limits	Basis	Entity
Isopropyl Alcohol	200 ppm 492 mg/m3	TLV	ACGIH
Isopropyl Alcohol	400 ppm 984 mg/m3	STEL	ACGIH
Isopropyl Alcohol	400 ppm 980 mg/m3	PEL	OSHA
Isopropyl Alcohol	400 ppm 980 mg/m3	REL	NIOSH
Isopropyl Alcohol	500 ppm 1225 mg/m3	STEL	NIOSH

Additional information about design of technical systems:
No further data; see section 7.

Exposure controls:
Personal protective equipment:
Eye and Face Protection: Safety Glasses (with Side Shields)
Body Protection: Protective cloths
Respiratory Protection: Vapor Respiratory if necessary
Ventilation Protection: Use general ventilation under normal use condition

Materials for protective clothing:
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.

9. Physical and Chemical Properties

Information on basic physical and chemical properties

Appearance	Liquid. Clear liquid / invisible vapor
Odor	Alcohol odor
Order threshold	3 - 610 ppm 8 - 1499 mg/m
Freezing point	No data available
Initial boiling point and boiling range	82 °C
Flash point	12 °C
Evaporation rate	2.3 (butylacetate=1), 21 (ether=1)
Flammability (solid, gas)	Flammable liquid
Upper / Lower flammability or explosive limits	2 – 13 vol %, 50 – 335 g/m3
Vapor pressure	44 hPa, 229 hPa at 50°C
Vapor Density	2.1 at 20°C
Relative Density	0.88 g/mL
Solubility(ies)	Soluble in water
Critical temperature	235°C
Critical Pressure	47600 hPa

Self-ignition temperature	399°C
Molecular Weight	60.10 g/mol
Minimum ignition energy	0.65 mJ
Specific conductivity	5.8 µS/m
Saturation concentration	106 g/m3
pH	Neutral
Other properties	Gas/vapor heavier than air at 20°C. Clear. Volatile.

10. Stability and Reactivity

Reactivity:

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

Chemical stability:

Stable under normal conditions.

Thermal decomposition

Carbon dioxide. Carbon monoxide.

Possibility of hazardous reactions:

No dangerous reactions known under normal conditions of use.

Conditions to avoid:

Heat, flames and sparks. Extremes of temperature and direct sunlight.

Incompatible materials:

Reactive with oxidizing agents, acids, alkalis

Hazardous decomposition products:

No dangerous decomposition products known.

11. Toxicological Information

Acute toxicity: Isopropanol 75% 67-63-0	
LD50 oral rat	5045 mg/kg (5840 mg/kg bodyweight; Rat; Rat; Experimental value,5840 mg/kg bodyweight; Rat; Rat; Experimental value)
LD50 dermal rabbit	12870 mg/kg (16.4; Rabbit; Rabbit; Experimental value,16.4; Rabbit; Rabbit; Experimental value)

Carcinogenicity

IARC	3-Group 3: Not classifiable as to its carcinogenicity to humans (Isopropyl Alcohol).
ACGIH	A4: Not classifiable as a human carcinogen (Isopropyl Alcohol).
NTP	No components of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.
OSHA	No components of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Symptoms of exposure

Skin	Irritation, redness, itchiness.
Eyes	Irritation, redness, watering eyes, itchiness.
Respiratory	Irritation, coughing, wheezing, dizziness, drowsiness.
Ingestion	Irritation, nausea, vomiting, diarrhea, dizziness, drowsiness

Chronic Toxicity	May cause damage to the following organs: kidneys, liver, skin, central nervous system.
Teratogenicity	Not Available
Mutagenicity	Not Available
Embryotoxicity	Not Available
Specific Target Organ Toxicity	Not Available
Reproductive Toxicity	Classified Reproductive system/toxin/female. Development toxin.
Respiratory/Skin Sensitization	Not Available

12. Ecological Information

Toxicity Ecology - water Not expected to demonstrate chronic toxicity to aquatic organisms.
Groundwater pollutant.

LC50 fish 1	9640 - 10000 mg/l (Equivalent or similar to OECD 203, 96 h, Pimephales promelas, Flow-through system, Fresh water, Experimental value)

Persistence and degradability

Persistence and degradability	Biodegradable in the soil. Biodegradable in the soil under anaerobic conditions. Readily biodegradable in water.
Biochemical oxygen demand (BOD)	1.19 g O_2/g substance
Chemical oxygen demand (COD)	2.23 g O_2/g substance
ThOD	2.4 g O_2/g substance

Bioaccumulative potential

Log Pow	0.05 (Weight of evidence approach, 25 °C)
Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).

Mobility in soil No data available

13. Disposal Considerations

Waste treatment methods:

Observe all local and/or national regulations when disposing of this material.

Contaminated packaging

Disposal must be made in accordance with local and/or national regulations

14. Transport Information

US DOT	UN1219, Isopropanol, **Hazard Class 3**, **Packing** group II, **Hazard Label 3-Flammable**
TDG	UN1219, Isopropanol, **Hazard Class 3**, **Packing** group II, **Hazard Label 3-Flammable**
IMDG	UN1219, Isopropanol, **Hazard Class** 3, **Packing** group II, **Hazard Label 3-Flammable**
Marine Pollutant	No
IATA/ICAO	UN1219, Isopropanol, **Hazard Class** 3, **Packing** group II, **Hazard Label 3-Flammable**

15. Regulatory Information

TSCA Inventory Status	All ingredients are listed on the TSCA inventory.
DSCL (EEC)	All ingredients are listed on the DSCL inventory.
California Proposition 65	Not Listed
SARA 302	Not Listed
SARA 304	Not listed
SARA 311	Fire Hazard, Acute Health Hazard, Chronic Health Hazard
SARA 312	Fire Hazard, Acute Health Hazard, Chronic Health Hazard
SARA 313	Listed: Isopropyl Alcohol
WHMIS Canada	Class B-2: Flammable and combustible liquid- Flammable liquid Class D-2B: Poisonous and infectious material- Other effects- Toxic
State or local regulations	Right to know: New Jersey, Massachusetts, Pennsylvania
NDC Number	48783-100-02

16. Other Information

Premier's revision date: 29APR2020

Revision Number: 0