

# IMAR 313 PANORAMA FR PROTECTIVE CLEANER

## Safety Data Sheet

according to 29 CFR § 1910.1200, Hazard Communication Standard (HCS)

Revision date: 2/18/2026

### SECTION 1 Identification

#### 1.1. Product identifier

Product form : Mixture  
Product name : IMAR 313 PANORAMA FR PROTECTIVE CLEANER  
Product code : 313

#### 1.2. Other means of identification

No additional information available

#### 1.3. Recommended use of the chemical and restrictions on use

No additional information available

#### 1.4. Supplier's details

IMAR PRODUCTS, LLC  
11612 LUCASVILLE ROAD  
MANASSAS, VA, 20112  
T 703-330-4693

#### 1.5. Emergency phone number

Emergency number : 703-330-4593

### SECTION 2 Hazard identification

#### 2.1. Classification of the substance or mixture

##### GHS-US classification

Serious eye damage/eye irritation, Category 2A H319 Causes serious eye irritation.

Full text of H-statements: see section 16

#### 2.2. Label elements

##### GHS US labelling

Hazard pictograms (GHS US) :



Signal word (GHS US) :

Warning

Hazard statements (GHS US) :

H319 - Causes serious eye irritation

Precautionary statements (GHS US) :

P264 - Wash face, hands, forearms and face thoroughly after handling.  
P280 - Wear eye protection, protective clothing, protective gloves.  
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 or attention.

#### 2.3. Hazards associated with known or reasonably anticipated uses

No additional information available

#### 2.4. Hazards not otherwise classified

No additional information available

# IMAR 313 PANORAMA FR PROTECTIVE CLEANER

## Safety Data Sheet

according to 29 CFR § 1910.1200, Hazard Communication Standard (HCS)

### 2.5. Unknown acute toxicity

No additional information available

## SECTION 3 Composition/information on ingredients

### 3.1. Substances

Not applicable

### 3.2. Mixtures

Name	Product identifier	%	GHS-US classification
1-propanol	CAS-No.: 71-23-8	1 – 2	Flam. Liq. 2, H225 Eye Dam. 1, H318 STOT SE 3, H336

Full text of hazard classes and H-statements : see section 16

## SECTION 4 First-aid measures

### 4.1. Description of necessary first-aid measures

First-aid measures general	: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	: Remove the victim into fresh air. No adverse effects are expected. Allow affected person to breathe fresh air. Allow the victim to rest.
First-aid measures after skin contact	: Wash with plenty of water/.... If skin irritation or rash occurs: Get medical advice/attention. Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse.
First-aid measures after eye contact	: Rinse cautiously with water for several minutes. Rinse immediately with plenty of water. If eye irritation persists: Get medical advice/attention. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
First-aid measures after ingestion	: Do NOT induce vomiting. Immediately call a POISON CENTER/doctor. Rinse mouth. Obtain emergency medical attention.

### 4.2. Most important symptoms/effects, acute and delayed

Potential adverse human health effects and symptoms	: Based on available data, the classification criteria are not met.
Symptoms/effects after eye contact	: Causes serious eye irritation.

### 4.3. Indication of immediate medical attention and special treatment needed, if necessary

No additional information available

## SECTION 5: Fire-fighting measures

### 5.1. Suitable (and unsuitable) extinguishing media

Suitable extinguishing media	: Foam. Carbon dioxide. Dry chemical powder. Dry powder. Carbon dioxide. Water spray. Sand.
Unsuitable extinguishing media	: Do not use a heavy water stream.

### 5.2. Specific hazards arising from the chemical

No additional information available

# IMAR 313 PANORAMA FR PROTECTIVE CLEANER

## Safety Data Sheet

according to 29 CFR § 1910.1200, Hazard Communication Standard (HCS)

### 5.3. Special protective equipment and precautions for fire-fighters

- Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire fighting water from entering the environment.
- Protection during firefighting : Complete protective clothing. Self-contained breathing apparatus. Do not enter fire area without proper protective equipment, including respiratory protection.

## SECTION 6 Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

- General measures : Absorb spill on vermiculite floor absorbent or other absorbent material.
- For non-emergency personnel**
- Emergency procedures : Avoid contact with eyes. Keep containers closed. Large spills/in confined spaces: consider evacuation. Evacuate unnecessary personnel.
- For emergency responders**
- Protective equipment : Equip cleanup crew with proper protection.
- Emergency procedures : Ventilate area.
- Environmental precautions : Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

### 6.2. Methods and materials for containment and cleaning up

- Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

See Section 8, Exposure controls and personal protection

## SECTION 7 Handling and storage

### 7.1. Precautions for safe handling

- Precautions for safe handling : Containers may be hazardous when emptied. Since emptied containers retain product residues, all hazard precautions given in the data sheet should be observed. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour.
- Hygiene measures : Always wash hands after handling the product. Wash Always wash hands after handling the product, Wash contaminated clothing before reuse. thoroughly after handling.

### 7.2. Conditions for safe storage, including incompatibilities

- Storage conditions : Store in a well-ventilated place. Keep cool. Emptied containers may retain product residues. Precautions apply to emptied containers. Keep only in the original container in a cool, well ventilated place away from : Store in a well-ventilated place. Keep container closed when not in use.
- Storage area : Store in a well-ventilated place.
- Incompatible products : Strong bases. Strong acids.
- Incompatible materials : Sources of ignition. Direct sunlight.

## SECTION 8 Exposure controls/personal protection

### 8.1. Control parameters

# IMAR 313 PANORAMA FR PROTECTIVE CLEANER

## Safety Data Sheet

according to 29 CFR § 1910.1200, Hazard Communication Standard (HCS)

1-propanol (71-23-8)	
<b>USA - ACGIH - Occupational Exposure Limits</b>	
Local name	n-Propanol (n-Propyl alcohol)
ACGIH® TLV® TWA	100 ppm
Remark (ACGIH®)	Eye & URT irr
<b>USA - OSHA - Occupational Exposure Limits</b>	
Local name	n-Propyl alcohol
OSHA PEL TWA	500 mg/m <sup>3</sup>
	200 ppm

### 8.2. Appropriate engineering controls

No additional information available

### 8.3. Individual protection measures, such as personal protective equipment

#### Personal protective equipment:

Avoid all unnecessary exposure.

<b>Hand protection:</b>
Wear protective gloves.
<b>Eye protection:</b>
Chemical goggles or safety glasses
<b>Respiratory protection:</b>
Wear appropriate mask

#### Personal protective equipment symbol(s):



#### Other information:

Do not eat, drink or smoke during use.

## SECTION 9 Physical and chemical properties

### 9.1. Basic physical and chemical properties

Physical state	: Liquid
Appearance	: Light Purple Liquid.
Colour	: Purple
Odour	: Sweet
Odour threshold	: No data available
pH	: 3 – 4
Melting point	: 196.6 °F
Freezing point	: No data available
Boiling point	: 206.6 °F
Flash point	: > 160 °F
Flammability (solid, gas)	: Non flammable.
Vapour pressure	: 68 F @ 19.29 MBAR (14.5 mmHg)
Relative vapour density at 20°C	: No data available

# IMAR 313 PANORAMA FR PROTECTIVE CLEANER

## Safety Data Sheet

according to 29 CFR § 1910.1200, Hazard Communication Standard (HCS)

Relative density	: 0.99 @ 68.0 F
Solubility	: Soluble in water.
Partition coefficient n-octanol/water (Log Pow)	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Viscosity, kinematic	: No data available
Explosive limits	: No data available
Particle characteristics	: No data available

### 1-propanol

Particle characteristics	No data available
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## 9.2. Data relevant with regard to physical hazard classes (supplemental)

No additional information available

## SECTION 10 Stability and reactivity

### 10.1. Reactivity

No additional information available

### 10.2. Chemical stability

Stable under normal conditions. Not established.

### 10.3. Possibility of hazardous reactions

Not established.

### 10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

### 10.5. Incompatible materials

Strong acids. Strong bases.

### 10.6. Hazardous decomposition products

None Expected. fume. Carbon monoxide. Carbon dioxide.

## SECTION 11 Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity (oral)	: Not classified
Acute toxicity (dermal)	: Not classified
Acute toxicity (inhalation)	: Not classified

### 1-propanol (71-23-8)

LD50 dermal rabbit	4032 mg/kg bodyweight (Equivalent or similar to OECD 402, 24 h, Rabbit, Male, Experimental value, Dermal, 14 day(s))
LC50 Inhalation - Rat	> 33.8 mg/l (Equivalent or similar to OECD 403, 4 h, Rat, Male / female, Experimental value, Inhalation (vapours), 14 day(s))
ATE US (dermal)	4049 mg/kg bodyweight
ATE US (vapours)	9.8 mg/l/4h
ATE US (dust,mist)	9.8 mg/l/4h

# IMAR 313 PANORAMA FR PROTECTIVE CLEANER

## Safety Data Sheet

according to 29 CFR § 1910.1200, Hazard Communication Standard (HCS)

Skin corrosion/irritation : Not classified  
pH: 3 – 4

1-propanol (71-23-8)	
pH	7 (10 %)

Serious eye damage/irritation : Causes serious eye irritation.  
pH: 3 – 4

1-propanol (71-23-8)	
pH	7 (10 %)

Respiratory or skin sensitisation : Not classified  
Germ cell mutagenicity : Not classified

Carcinogenicity : Not classified

Reproductive toxicity : Not classified  
STOT-single exposure : Not classified

1-propanol (71-23-8)	
STOT-single exposure	May cause drowsiness or dizziness.

STOT-repeated exposure : Not classified  
Aspiration hazard : Not classified

IMAR 313 PANORAMA FR PROTECTIVE CLEANER	
Viscosity, kinematic	No data available

1-propanol (71-23-8)	
Viscosity, kinematic	No data available in the literature

Potential adverse human health effects and symptoms : Based on available data, the classification criteria are not met.

Symptoms/effects after eye contact : Causes serious eye irritation.

## SECTION 12 Ecological information

### 12.1. Ecotoxicity

Hazardous to the aquatic environment, short-term (acute) : Not classified

Hazardous to the aquatic environment, long-term (chronic) : Not classified

1-propanol (71-23-8)	
LC50 - Fish [1]	4555 mg/l (Equivalent or similar to OECD 203, 96 h, Pimephales promelas, Flow-through system, Fresh water, Experimental value, Lethal)
EC50 - Crustacea [1]	3644 mg/l (DIN 38412-11, 48 h, Daphnia magna, Static system, Fresh water, Experimental value, Locomotor effect)

### 12.2. Persistence and degradability

IMAR 313 PANORAMA FR PROTECTIVE CLEANER	
Persistence and degradability	Not established.

# IMAR 313 PANORAMA FR PROTECTIVE CLEANER

## Safety Data Sheet

according to 29 CFR § 1910.1200, Hazard Communication Standard (HCS)

1-propanol (71-23-8)	
Persistence and degradability	Biodegradable in the soil, Biodegradable in the soil under anaerobic conditions, Readily biodegradable in water.
Biochemical oxygen demand (BOD)	0.47 – 1.63 g O <sub>2</sub> /g substance
Chemical oxygen demand (COD)	2.23 g O <sub>2</sub> /g substance
ThOD	2.4 g O <sub>2</sub> /g substance

### 12.3. Bioaccumulative potential

IMAR 313 PANORAMA FR PROTECTIVE CLEANER	
Bioaccumulative potential	Not established.
1-propanol (71-23-8)	
BCF - Fish [1]	0.88 (Literature study)
Partition coefficient n-octanol/water (Log Pow)	0.2 (Experimental value, OECD 117: Partition Coefficient (n-octanol/water), HPLC method, 25 °C)
Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).

### 12.4. Mobility in soil

1-propanol (71-23-8)	
Surface tension	70.8 mN/m (20 °C, 0.1 %, OECD 115: Surface Tension of Aqueous Solutions)
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	0.633 (log Koc, Calculated value)
Ecology - soil	Highly mobile in soil.

### 12.5. Other adverse effects

Ozone	: Not classified
Fluorinated greenhouse gases	: No
Other information	: Avoid release to the environment.

## SECTION 13 Disposal considerations

Product/Packaging disposal recommendations	: Dispose in a safe manner in accordance with local/national regulations.
Ecological information	: Avoid release to the environment.

## SECTION 14 Transport information

In accordance with DOT / IMDG / IATA

### 14.1. UN Number

Not regulated for transport

### 14.2. UN Proper Shipping Name

Proper Shipping Name (DOT)	: Not applicable
Proper Shipping Name (IMDG)	: Not applicable
Proper Shipping Name (IATA)	: Not applicable

# IMAR 313 PANORAMA FR PROTECTIVE CLEANER

## Safety Data Sheet

according to 29 CFR § 1910.1200, Hazard Communication Standard (HCS)

### 14.3. Transport hazard class(es)

#### DOT

Transport hazard class(es) (DOT) : Not applicable

#### IMDG

Transport hazard class(es) (IMDG) : Not applicable

#### IATA

Transport hazard class(es) (IATA) : Not applicable

### 14.4. Packing group

Packing group (DOT) : Not applicable

Packing group (IMDG) : Not applicable

Packing group (IATA) : Not applicable

### 14.5. Environmental hazards

Other information : No supplementary information available.

### 14.6. Transport in bulk

Not applicable

### 14.7. Special precautions for user

#### DOT

No data available

#### IMDG

No data available

#### IATA

No data available

## SECTION 15 Regulatory information

### 15.1. Federal regulations

Commercial status of components according to the United States Environmental Protection Agency's Toxic Substances Control Act (TSCA):

Name	CAS-No.	Listing	Commercial status	Flags
1-propanol	71-23-8	Present	Active	

### 15.2. International regulations

#### CANADA

No additional information available

#### EU-Regulations

No additional information available

#### National regulations

No additional information available

### 15.3. State regulations

California Proposition 65 - This product does not contain any substances known to the state of California to cause cancer, developmental and/or reproductive harm

# IMAR 313 PANORAMA FR PROTECTIVE CLEANER

## Safety Data Sheet

according to 29 CFR § 1910.1200, Hazard Communication Standard (HCS)

Component	State or local regulations
1-propanol(71-23-8)	U.S. - New Jersey - Right to Know Hazardous Substance List

### SECTION 16 Other Information

according to 29 CFR § 1910.1200, Hazard Communication Standard (HCS)

Revision date : 2/18/2026

Other information : None.

Full text of hazard classes and H-statements	
H225	Highly flammable liquid and vapour
H318	Causes serious eye damage
H319	Causes serious eye irritation
H336	May cause drowsiness or dizziness

Safety Data Sheet (SDS), USA

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.