

# IMAR 301 STRATAGLASS PROTECTIVE CLEANER

## Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Revision date: 05/28/2015

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1. Product identifier

Product form : Mixture  
Product name : IMAR 301 STRATAGLASS PROTECTIVE CLEANER  
Product code : 301 40Z, 16OZ, Gal

#### 1.2. Relevant identified uses of the substance or mixture and uses advised against

#### 1.3. Details of the supplier of the safety data sheet

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

#### 1.4. Emergency telephone number

Emergency number : 703-330-4593

### SECTION 2: Hazards identification

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

##### Classification (GHS-US)

Eye Dam. 1 H318

Full text of H-phrases: see section 16

#### 2.2. Label elements

##### GHS-US labeling

Hazard pictograms (GHS-US) :



GHS05

Signal word (GHS-US) : Danger  
Hazard statements (GHS-US) : H318 - Causes serious eye damage  
Precautionary statements (GHS-US) : P280 - Wear protective clothing  
P305+P351+P338 - If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
P310 - Immediately call a doctor, a POISON CENTER

#### 2.3. Other hazards

No additional information available

#### 2.4. Unknown acute toxicity (GHS-US)

Not applicable

### SECTION 3: Composition/information on ingredients

#### 3.1. Substance

Not applicable

#### 3.2. Mixture

# IMAR 301 STRATAGLASS PROTECTIVE CLEANER

## Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

| Name       | Product identifier | %     | Classification (GHS-US)                                   |
|------------|--------------------|-------|---|
| 1-propanol | (CAS No) 71-23-8   | 1 - 2 | Flam. Liq. 2, H225<br>Eye Dam. 1, H318<br>STOT SE 3, H336 |

Full text of H-phrases: see section 16

### SECTION 4: First aid measures

#### 4.1. Description of 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. If not breathing give artificial respiration. Get immediate medical advice/attention. Allow victim to breathe fresh air. Allow the victim to rest.
- First-aid measures after skin contact : If skin irritation or rash occurs: Get medical advice/attention. Wash contaminated clothing before reuse. 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 : Move victim away from exposure and into fresh air. Rinse immediately with plenty of water for 15 minutes. If eye irritation persists: Get medical advice/attention. Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a poison center or doctor/physician.
- First-aid measures after ingestion : Do not induce vomiting. Immediately call a poison center or doctor/physician. Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

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

- Symptoms/injuries after eye contact : Causes serious eye damage.

#### 4.3. Indication of any immediate medical attention and special treatment needed

No additional information available

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

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

#### 5.2. Special hazards arising from the substance or mixture

No additional information available

#### 5.3. Advice for firefighters

- Firefighting instructions : Wear normal protective equipment (full bunker gear) and positive-pressure self contained breathing apparatus. Water can be used to keep exposed containers cool, to protect;. Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering 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.

##### 6.1.1. For non-emergency personnel

- Protective equipment : Protective clothing. Protective goggles.
- Emergency procedures : If runoff occurs, notify authorities as required. Pump or vacuum transfer spilled product to clean containers for recovery. Absorb unrecoverable product. Transfer contaminated absorbent, material to containers for disposal. Close container tightly and dispose of properly. Evacuate unnecessary personnel.

##### 6.1.2. For emergency responders

- Protective equipment : Use personal protective equipment as required. Self-contained breathing apparatus. Equip cleanup crew with proper protection.
- Emergency procedures : Stop leak if safe to do so. Ventilate area.

#### 6.2. Environmental precautions

Avoid release to the environment. Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

# IMAR 301 STRATAGLASS PROTECTIVE CLEANER

## Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

### 6.3. Methods and material for containment and cleaning up

- For containment : Transfer contaminated absorbent, soil and other material to containers for disposal. Close container tightly and dispose of properly.
- 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.

### 6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

- Additional hazards when processed : Containers of this material may be hazardous when emptied. All hazard precautions given should be observed.
- 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 vapor.
- Hygiene measures : Wash ... thoroughly after handling.

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

- Storage conditions : Store in a well-ventilated place. Keep away from heat, sparks, and flames. Keep only in the original container in a cool, well ventilated place away from : Keep container closed when not in use.
- Incompatible products : Strong bases. Strong acids.
- Incompatible materials : Sources of ignition. Direct sunlight.

### 7.3. Specific end use(s)

No additional information available

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

| IMAR 301 STRATAGLASS PROTECTIVE CLEANER |                                     |                       |
|---|-------------------------------------|-----------------------|
| ACGIH                                   | Not applicable                      |                       |
| OSHA                                    | Not applicable                      |                       |
| DNEL                                    | DNEL                                | >=                    |
| 1-propanol (71-23-8)                    |                                     |                       |
| ACGIH                                   | ACGIH TWA (ppm)                     | 100 ppm               |
| ACGIH                                   | ACGIH STEL (ppm)                    | 100 ppm               |
| ACGIH                                   | Remark (ACGIH)                      | Eye & URT irr         |
| OSHA                                    | OSHA PEL (TWA) (mg/m <sup>3</sup> ) | 500 mg/m <sup>3</sup> |
| OSHA                                    | OSHA PEL (TWA) (ppm)                | 200 ppm               |

### 8.2. Exposure controls

- Personal protective equipment : Avoid all unnecessary exposure.
- Hand protection : Wear protective gloves.
- Eye protection : Chemical goggles or safety glasses.
- Respiratory protection : Wear appropriate mask.
- Other information : Do not eat, drink or smoke during use.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

- Physical state : Liquid
- Appearance : Milky White Liquid.
- Color : Milky White
- Odor : Sweet
- Odor threshold : No data available

# IMAR 301 STRATAGLASS PROTECTIVE CLEANER

## Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

|   |   |
|---|---|
| pH  | : 3 - 4   |
| Relative evaporation rate (butyl acetate=1) | : No data available   |
| Melting point                               | : < 196.6 °F  |
| Freezing point                              | : No data available   |
| Boiling point                               | : 206 °F  |
| Flash point                                 | : > 160 °F  |
| Auto-ignition temperature                   | : NA  |
| Decomposition temperature                   | : No data available   |
| Flammability (solid, gas)                   | : No data available   |
| Vapor pressure                              | : 68 .0 F @19.29 MBAR (14.5 mmHg)   |
| Relative vapor density at 20 °C             | : No data available   |
| Relative density                            | : 0.804 @ 68.0 F  |
| Solubility                                  | : Soluble in water.<br>Water: Solubility in water of component(s) of the mixture :<br>•: •: |
| Log Pow                                     | : No data available   |
| Log Kow                                     | : No data available   |
| Viscosity, kinematic                        | : No data available   |
| Viscosity, dynamic                          | : No data available   |
| Explosive properties                        | : No data available   |
| Oxidizing properties                        | : No data available   |
| Explosive limits                            | : No data available   |

### 9.2. Other information

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

fume. Carbon monoxide. Carbon dioxide.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity : Not classified

| 1-propanol (71-23-8)       |                            |
|----------------------------|----------------------------|
| LD50 oral rat              | > 2000 mg/kg (Rat)         |
| LD50 dermal rabbit         | 4049 mg/kg (Rabbit)        |
| LC50 inhalation rat (mg/l) | 9.8 mg/l/4h (Rat)          |
| ATE US (dermal)            | 4049.000 mg/kg body weight |
| ATE US (vapors)            | 9.800 mg/l/4h              |
| ATE US (dust, mist)        | 9.800 mg/l/4h              |

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

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## Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

|   |   |
|---|---|
| Serious eye damage/irritation                       | : Causes serious eye damage.<br>pH: 3 - 4                           |
| Respiratory or skin sensitization                   | : Not classified  |
| Germ cell mutagenicity                              | : Not classified  |
| Carcinogenicity                                     | : Not classified  |
| Reproductive toxicity                               | : Not classified  |
| Specific target organ toxicity (single exposure)    | : Not classified  |
| Specific target organ toxicity (repeated exposure)  | : Not classified  |
| Aspiration hazard                                   | : Not classified  |
| Potential Adverse human health effects and symptoms | : Based on available data, the classification criteria are not met. |
| Symptoms/injuries after eye contact                 | : Causes serious eye damage.  |

## SECTION 12: Ecological information

### 12.1. Toxicity

| 1-propanol (71-23-8)           |   |
|--------------------------------|---|
| LC50 fish 1                    | 3200 mg/l 48 h; Salmo gairdneri (Oncorhynchus mykiss) |
| EC50 Daphnia 1                 | 4415 mg/l (24 h; Daphnia magna)                       |
| EC50 other aquatic organisms 1 | 4168 mg/l (48 h; Protozoa)                            |
| LC50 fish 2                    | 4480 mg/l (96 h; Pimephales promelas)                 |
| EC50 Daphnia 2                 | 3644 mg/l (48 h; Daphnia magna)                       |
| TLM fish 1                     | 200 - 500, Gobio gobio                                |
| TLM other aquatic organisms 1  | 100 - 1000, 96 h                                      |
| Threshold limit algae 1        | 2000 mg/l (Selenastrum capricornutum)                 |
| Threshold limit algae 2        | 3100 mg/l (168 h; Scenedesmus quadricauda)            |

### 12.2. Persistence and degradability

| IMAR 301 STRATAGLASS PROTECTIVE CLEANER |                  |
|---|------------------|
| Persistence and degradability           | Not established. |

  

| 1-propanol (71-23-8)            |  |
|---------------------------------|--|
| Persistence and degradability   | Readily biodegradable in water. Biodegradable in the soil. Biodegradable in the soil under anaerobic conditions. |
| 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  |
| BOD (% of ThOD)                 | 0.20 - 0.44 % ThOD   |

### 12.3. Bioaccumulative potential

| IMAR 301 STRATAGLASS PROTECTIVE CLEANER |                  |
|---|------------------|
| Bioaccumulative potential               | Not established. |

  

| 1-propanol (71-23-8)      |  |
|---------------------------|--|
| Log Pow                   | 0.25 (Experimental value)                        |
| Bioaccumulative potential | Low potential for bioaccumulation (Log Kow < 4). |

### 12.4. Mobility in soil

| 1-propanol (71-23-8) |                   |
|----------------------|-------------------|
| Surface tension      | 0.024 N/m (20 °C) |

### 12.5. Other adverse effects

|                              |  |
|------------------------------|--|
| Effect on ozone layer        | :  |
| Effect on the global warming | : No known ecological damage caused by this product. |

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## Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Other information : Avoid release to the environment.

### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.

Ecology - waste materials : Avoid release to the environment.

### SECTION 14: Transport information

In accordance with DOT

Not regulated for transport

#### Additional information

Other information : No supplementary information available.

#### ADR

No additional information available

#### Transport by sea

No additional information available

#### Air transport

No additional information available

### SECTION 15: Regulatory information

#### 15.1. US Federal regulations

##### IMAR 301 STRATAGLASS PROTECTIVE CLEANER

Not listed on the United States TSCA (Toxic Substances Control Act) inventory

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

Listed on the United States TSCA (Toxic Substances Control Act) inventory

#### 15.2. International regulations

##### CANADA

No additional information available

##### EU-Regulations

No additional information available

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

Not classified

#### 15.2.2. National regulations

#### 15.3. US State regulations

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

U.S. - New Jersey - Right to Know Hazardous Substance List

### SECTION 16: Other information

Revision date : 05/28/2015

Other information : None.

# IMAR 301 STRATAGLASS PROTECTIVE CLEANER

## Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Full text of H-phrases:

|              |   |
|--------------|---|
| Eye Dam. 1   | Serious eye damage/eye irritation Category 1                |
| Flam. Liq. 2 | Flammable liquids Category 2                                |
| STOT SE 3    | Specific target organ toxicity (single exposure) Category 3 |
| H225         | Highly flammable liquid and vapor                           |
| H318         | Causes serious eye damage                                   |
| H336         | May cause drowsiness or dizziness                           |

SDS US (GHS HazCom 2012)

*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*