

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

#### 1.1. Product identifier

Product form : Mixture  
Product name : 521, DURAGLOSS MARINE/RV DETAIL SPRAY  
Product code : 521-22oz, 522-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

Brothers Research Corporation  
2245 Airpark Drive  
Burlington, NC 27216  
T 336-229-6480

#### 1.4. Emergency telephone number

Emergency number : 800-424-9300  
Chemtrec

### SECTION 2: Hazards identification

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

##### Classification (GHS-US)

Eye Irrit. 2A H319

Full text of H-phrases: see section 16

#### 2.2. Label elements

##### GHS-US labeling

Hazard pictograms (GHS-US) :



GHS07

Signal word (GHS-US) : Warning  
Hazard statements (GHS-US) : H319 - Causes serious eye irritation  
Precautionary statements (GHS-US) : P264 - Wash ... thoroughly after handling  
P280 - Wear protective gloves/protective clothing/eye protection/face protection  
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

#### 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

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| 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 victim to fresh air and keep at rest in a position comfortable for breathing. Allow victim to breathe fresh air. Allow the victim to rest.  |
| First-aid measures after skin contact | : Wash with plenty of soap and 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. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.                                       |
| First-aid measures after ingestion    | : 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 irritation.

#### 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      | : 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 spillage to prevent material damage.

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

Emergency procedures : Evacuate unnecessary personnel.

##### 6.1.2. For emergency responders

Protective equipment : Equip cleanup crew with proper protection.  
Emergency procedures : Ventilate area.

#### 6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

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

For containment : Collect spillage.  
Methods for cleaning up : Absorb spillage to prevent material damage. This material and its container must be disposed of in a safe way, and as per local legislation. 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.

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### 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 give should be observed.
- Precautions for safe handling : 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 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

##### 521, DURAGLOSS MARINE/RV DETAIL SPRAY

|       |                |
|-------|----------------|
| ACGIH | Not applicable |
| OSHA  | Not applicable |

##### 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 : Light Blue Liquid.
- Color : Blue
- Odor : Sweet
- Odor threshold : No data available
- pH : 3 - 4
- Relative evaporation rate (butyl acetate=1) : No data available
- Melting point : < 196.6 °F
- Freezing point : No data available
- Boiling point : 206.6 °F
- Flash point : > 160 °F
- Auto-ignition temperature : NA
- Decomposition temperature : No data available
- Flammability (solid, gas) : No data available

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|                                 |   |
|---------------------------------|---|
| Vapor pressure                  | : 68 mbar F @ 19.29 MBAR (14.5 mmHg)  |
| Relative vapor density at 20 °C | : No data available   |
| Relative density                | : 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<br>pH: 3 - 4                 |
| Serious eye damage/irritation                      | : Causes serious eye irritation.<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                              |

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|   |   |
|---|---|
| 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 irritation.                                    |

### 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

| 521, DURAGLOSS MARINE/RV DETAIL SPRAY |                  |
|---------------------------------------|------------------|
| 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

| 521, DURAGLOSS MARINE/RV DETAIL SPRAY |                  |
|---------------------------------------|------------------|
| 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. |
| 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

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### 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

#### 521, DURAGLOSS MARINE/RV DETAIL SPRAY

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

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

#### 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.

Full text of H-phrases:

|               |   |
|---------------|---|
| Eye Dam. 1    | Serious eye damage/eye irritation Category 1                |
| Eye Irrit. 2A | Serious eye damage/eye irritation Category 2A               |
| 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                                   |
| H319          | Causes serious eye irritation                               |
| 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*