

**SECTION 1 IDENTIFICATION**

**Product Trade Name:** Triumph® Liquid Dish Detergent  
**Recommended Use:** Manual dish detergent  
**Restrictions on Use:** Industrial and Institutional use only  
**Manufacturer:** Maxim Chemical International Inc.  
 1607 Derwent Way, Delta, BC, V3M 6K8, Canada  
 800-663-9925  
**Emergency Phone Number:** Canada: Canutec 613-996-6666  
 U.S.A.: Chemtrec 800-424-9300

**SECTION 2 HAZARD IDENTIFICATION**

**Physical Hazards:** None  
**Health Hazards:** EYE DAMAGE/IRRITATION - Category 2A  
**Label Elements:**



**Signal word:** Warning  
**Hazard Statement:** H319 Causes serious eye irritation.

**Precautionary Statements:**

**Prevention:** Not regulated.

**Responses:** 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.

**Storage:** Not regulated. Store in a cool, dry place. Keep container tightly closed. Keep out of reach of children.

**Disposal:** Not regulated. Dispose of contents/ container to an approved waste disposal plant.

**SECTION 3 COMPOSITION/INFORMATION ON INGREDIENTS**

| Ingredient  | Approx. Wt.% | CAS Number |
|---|--------------|------------|
| Dodecyl Benzenesulfonic Acid, Sodium Salt   | 1-5          | 25155-30-0 |
| Dodecyl Benzenesulfonic Acid, DEA Salt  | 1-5          | 26545-53-9 |
| Poly(oxy-1,2-ethanediyl, alpha-sulfo-omega-hydroxy-, C10-16, alkyl ethers, sodium salts | 1-5          | 68603-42-9 |

**SECTION 4 FIRST-AID MEASURES**

**Inhalation:** Immediately remove the affected victim to fresh air. If symptoms persist, obtain medical attention.

**Skin Contact:** Rinse skin. If irritation persists, obtain medical attention.

**Eye Contact:** Immediately flush with warm running water for at least 15 minutes, holding eyelids open during flushing. Remove contact lenses, if present and easy to do. If irritation persists, repeat flushing and obtain medical attention immediately.

**Ingestion:** Do not induce vomiting. If the victim is fully conscious, give plenty of clean water to drink to dilute product. Never give anything by mouth if victim is unconscious, is rapidly losing consciousness, or is convulsing. Call a Physician.

If irritation occurs or persists, get medical attention.

**SECTION 5 FIRE-FIGHTING MEASURES**

**Extinguishing Media:** Water fog, alcohol foam, or dry chemical.  
**Flammability:** Not flammable.  
**Flash Point:** Not flammable.

|  |  |
|--|--|
| <b>Special Firefighting Procedures:</b>  | Directing a solid stream of water into a hot burning liquid can cause frothing and spread the fire. Wear NIOSH/MSHA approved, self-contained breathing apparatus for firefighting situation. Use water spray to cool all nearby fire exposed surfaces. |
| <b>Unusual Fire / Explosion Hazards:</b> | None known.  |
| <b>Hazardous Decomposition Products:</b> | Carbon oxides, metal oxide fume, sulphuric oxides.   |

## SECTION 6 ACCIDENTAL RELEASE MEASURES

**Environmental Protection Precautions:** Do not release to the environment or water source.

**Steps To Be Taken In Case Material Is Released Or Spilled:** Wear protective equipment. Soak up spills with absorbents, then dispose of in an appropriate waste container. Keep material away from sewers. Dispose recovered material in accordance with all local, State or Federal regulations.

## SECTION 7 HANDLING AND STORAGE

**Precautions To Be Taken In Handling And Storage:** Use good industrial hygiene. Do not get in eyes. Avoid contact with skin and clothing. Avoid breathing sprays or mists. Store in a cool, dry place away from incompatibles. Keep container closed when not in use. Keep out of reach of children. Store at temperatures below 30°C (86°F) and above 5°C (41°F).

## SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

**Exposure Limits:**

OSHA (PEL): N/A

ACGIH TLV: N/A

Other exposure limit: N/A

**Appropriate Engineering Controls:** Good general ventilation.

**Individual Protection Measures / Personal Protective Equipment:**

**Gloves:** Non-permeable gloves (rubber, nitrile) recommended.

**Masks/Goggles:** Chemical goggles or safety glasses.

**Respirator:** Good general ventilation or local exhaust ventilation for spraying and misting in confined areas.

**Apron:** Not required for normal use of product.

**Boots:** Not required for normal use of product.

**Other Protective Equipment:** Eye wash, safety shower and full protective clothing recommended in the immediate work area.

## SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

|   |                              |
|---|------------------------------|
| <b>Appearance:</b>                                    | Clear yellow viscous liquid. |
| <b>Odor:</b>  | Citrus fragrance.            |
| <b>Odor threshold:</b>                                | N/A                          |
| <b>pH:</b>  | 7.5 – 8.5                    |
| <b>Melting point/Freezing point:</b>                  | N/A                          |
| <b>Initial boiling point and boiling range:</b>       | N/A                          |
| <b>Flash Point:</b>                                   | >100 °C                      |
| <b>Evaporation Rate (Water=1):</b>                    | N/A                          |
| <b>Flammability:</b>                                  | Not flammable                |
| <b>Upper/Lower flammability or explosive limits:</b>  | None.                        |
| <b>Vapor pressure:</b>                                | N/A                          |
| <b>Vapor density:</b>                                 | N/A                          |
| <b>Relative density/Specific gravity (Water = 1):</b> | 1.02 @ 20 °C                 |
| <b>Solubility(ies):</b>                               | Soluble in water             |
| <b>Partition coefficient: n-octanol/water:</b>        | N/A                          |
| <b>Auto-ignition temperature:</b>                     | Not flammable                |
| <b>Decomposition temperature:</b>                     | N/A                          |
| <b>Viscosity:</b>                                     | N/A                          |

**SECTION 10 STABILITY AND REACTIVITY**

|                                     |  |
|-------------------------------------|--|
| Reactivity:                         | N/A  |
| Chemical stability:                 | Stable under normal storage conditions.  |
| Possibility of hazardous reactions: | N/A  |
| Conditions to avoid:                | Temperatures above 30°C (86°F) and below 5°C (41°F).   |
| Incompatibility:                    | Strong oxidizers, flammable liquid, explosive, pyrophoric substances, ammonium nitrate, organic peroxides. |
| Hazardous Decomposition Products:   | Sulphuric oxides, carbon oxides, metal oxide fume.   |

**SECTION 11 TOXICOLOGICAL INFORMATION**

|                            |   |
|----------------------------|---|
| Likely routes of exposure: | Ingestion, skin and eye contact.        |
| Symptoms:                  | Causes serious eye and skin irritation. |
| Acute Toxicity Estimates:  | Oral >2000 mg/kg, dermal >2000 mg/kg    |
| Carcinogenicity:           | Not listed by NTP, IARC, OSHA, ACGIH.   |

**SECTION 12 ECOLOGICAL INFORMATION**

N/A

**SECTION 13 DISPOSAL CONSIDERATIONS**

**Recommended Waste Disposal Methods:** Reuse if possible. Otherwise dispose recovered material in accordance with all local, State or Federal regulations.

**SECTION 14 TRANSPORT INFORMATION**

This product is classified as "Non-flammable, Non-hazardous, Not Restricted" for Transport purposes.

|                             |                |
|-----------------------------|----------------|
| Canadian TDG:               |                |
| UN Number:                  | Not regulated. |
| UN Proper Shipping Name:    | Not regulated. |
| Transport Hazard Class(es): | Not regulated. |
| Packing Group:              | Not regulated. |

**SECTION 15 REGULATORY INFORMATION****HAZARD RATING INFORMATION**

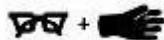
4=Extreme  
3=High  
2=Moderate  
1=Slight  
0=Insignificant

**HMIS**

|   |              |
|---|--------------|
| 1 | Health       |
| 0 | Flammability |
| 0 | Reactivity   |
| B | Personal     |

A=Gloves, B=Goggles & Gloves  
C=Goggles, Gloves and Apron

HMIS Protection  
Group B



All pertinent hazard information has been provided in this SDS, per the requirements of the U.S. Federal Occupational Safety and Health Administration Standard (29 CFR 1910.1200), U.S. State equivalent Standards, and the Canadian Workplace Hazardous Materials Identification System Standards (CPR 4).

**SECTION 16 OTHER INFORMATION****Acronym List:**

|       |   |
|-------|---|
| ACGIH | American Conference of Governmental Industrial Hygienists |
| CFR   | Code of Federal Regulations                               |

|       |   |
|-------|---|
| HMIS  | Hazardous Materials Identification System                 |
| IARC  | International Agency for Research on Cancer               |
| MSHA  | Mine Safety and Health Administration                     |
| N/A   | Not Available   |
| NIOSH | The National Institute for Occupational Safety and Health |
| NTP   | National Toxicology Program                               |
| OSHA  | Occupational Safety and Health Administration             |
| PEL   | Permissible Exposure Limit                                |
| TDG   | Transportation of Dangerous Goods                         |
| TLV   | Threshold Limit Value                                     |
| UN    | United Nations  |
| WHMIS | Workplace Hazardous Materials Information System          |

It is the responsibility of the user to provide a safe workplace, using the health and safety information contained herein as a guide. **Maxim Chemical International Inc.** will accept no liability for damages or loss incurred from the improper handling and use of this product.

The information provided in the Safety Data Sheet has been obtained from current sources and is believed to be reliable.

PREPARED BY: Technical Service/Regulatory Division

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