

# ImmacuClean ASM1

## Safety Data Sheet

according to Federal Register / Vol. 77, No. 68 / Monday, March 26, 2012 / Rules and Regulations

### 10.5. Incompatible materials

Strong oxidizers.

### 10.6. Hazardous decomposition products

Decomposition products depend upon temperature, air supply, and pressure.

## SECTION 11. Toxicological information

### 11.1. Information on toxicological effects

| ImmacuClean ASM1                  |  |
|-----------------------------------|--|
| LD50 oral rat                     | >5,000 mg/kg   |
| ATE US (oral)                     | very low toxicity if swallowed   |
| Water (7732-18-5)                 |  |
| LD50 oral rat                     | > 90 ml/kg   |
| Decanol                           |  |
| LD50 oral rat                     | >2,05 mg/L. LD50 is great than maximum attainable concentration        |
| LD50 dermal rabbit                | greater than maximum attainable concentration                          |
| LC50 inhalation rat (ppm)         | >71 mg/L   |
| ATE US (oral)                     | 470,000 mg/kg body weight  |
| ATE US (dermal)                   | 50,000 mg/kg body weight   |
| ATE US (gases)                    | 450,000 ppm/4h   |
| ATE US (dust, mist)               | 1,500 mg/4h  |
| Skin corrosion/irritation         | : unlikely to cause skin irritation.<br>pH: 7 @ 5% in aqueous solution |
| Serious eye damage/irritation     | : Causes eye irritation.<br>pH: 7 @ 5% in aqueous solution             |
| Respiratory or skin sensitization | : Not classified<br>(Lack of data)                                     |
| Germ cell mutagenicity            | : Not classified<br>(Lack of data)                                     |
| Carcinogenicity                   | : Not classified<br>(Lack of data)                                     |

| Octanol  |  |
|--|--|
| IARC group   | Not been determined                                      |
| National Toxicology Program (NTP) Status           | Not been determined                                      |
| Reproductive toxicity                              | : Not classified<br>(Lack of data)                       |
| Specific target organ toxicity (single exposure)   | : Not classified<br>(Lack of data)                       |
| Specific target organ toxicity (repeated exposure) | : Not classified<br>(Lack of data)                       |
| Aspiration hazard                                  | : Not classified<br>(Lack of data)                       |
| Symptoms/injuries after inhalation                 | : Exposures are not anticipated to cause adverse effects |
| Symptoms/injuries after skin contact               | : Not anticipated to cause skin irritation               |
| Symptoms/injuries after eye contact                | : Causes serious eye irritation                          |
| Symptoms/injuries after ingestion                  | : Not harmful if swallowed                               |

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## SECTION 15. Regulatory information

### OSHA Hazard Communication Standard

This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

Superfund Amendments and Reauthorization Act of 1986 Title III (Emergency Planning and Community Right-to-Know Act of 1986) Sections 311 and 312

### Acute Health Hazard

Superfund Amendments and Reauthorization Act of 1986 Title III (Emergency Planning and Community Right-to-Know Act of 1986) Section 313

This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

### Pennsylvania Worker and Community Right-To-Know Act:

To the best of our knowledge, this product does not contain chemicals at levels which require reporting under this statute.

### California Proposition 65 (Safe Drinking Water and Toxic Enforcement Act of 1986)

This product contains no listed substances known to the State of California to cause cancer, birth defects or other reproductive harm, at levels which would require a warning under the statute.

### United States TSCA Inventory (TSCA)

All components of this product are in compliance with the inventory listing requirements of the U.S. Toxic Substances Control Act (TSCA) Chemical Substance Inventory

Revision date : 10/16/2020

Other information : None.

Freight Classifications (National Motor Freight Classification) : Cleaning Compound, NOI, Item 48580, Sub 3, Class 55

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## SECTION 12. Ecological information

### 12.1. Toxicity

| 2-Butoxyethanol (111-76-2) |   |
|----------------------------|---|
| LC50 fish 1                | Material is practically non-toxic to aquatic organisms            |
| EC50 Daphnia 1             | > 294mg/l (Exposure time: 48 h - Species: Daphnia magna)          |
| LC50 fish 2                | LC50, Fathead minnow, static test, 96 hour, 190mg/L Guideline 203 |

### 12.2. Persistence and degradability

| ImmacuClean ASM1              |   |
|-------------------------------|---|
| Persistence and degradability | >60 % biodegradation in 128-day test. (OECD 301D method). |

### 12.3. Bioaccumulative potential

| ImmacuClean ASM1          |                  |
|---------------------------|------------------|
| Bioaccumulative potential | Not established. |

| 2-Butoxyethanol (111-76-2) |                  |
|----------------------------|------------------|
| Log Pow                    | Not established. |

### 12.4. Mobility in soil

No additional information available.

### 12.5. Other adverse effects

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

### Department of Transportation (DOT)

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

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### Full text of H-phrases:

|               |   |
|---------------|---|
| Eye Irrit. 2A | Serious eye damage/eye irritation Category 2A |
|               |   |
|               |   |
|               |   |
|               |   |
|               |   |
|               |   |
|               |   |
|               |   |
|               |   |

SDS US (GHS HazChem 2012) - Custom

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. No warranty, as to the accuracy, completeness or adequacy of the information contained herein is either expressed or implied. Users must determine individually, by testing or otherwise, the suitability of this product for their purposes including mixing with other products. The revision of the document supersedes all those previously issued for the product.

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**ImmacuClean ASM1**  
Safety Data Sheet

Version 1.0

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

**1.1. Product Identifier**  
Product form : Mixture  
Trade name : ImmacuClean ASM1  
Other means of identification : Blend of surfactants

**1.2. Relevant identified uses of the substance or mixture and uses advised against**  
Use of the substance/mixture : Detergent  
Wetting agent

**1.3. Details of the supplier of the safety data sheet**  
Immaculate Comics  
16212 Bothell Everett HWY Suite F108  
Mill Creek, WA  
info@immaculatecomics.com

**1.4. Emergency telephone number**  
Emergency number : 1-800-424-0300 (CHEMTEC)  
-703-927-3887 Outside United States

**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)



Signal word (GHS-US) : Warning  
Hazard statements (GHS-US) : H319 - Causes Serious Eye Irritation

Precautionary statements (GHS-US) : P280 - Wear eye protection, face protection

**2.3. Other hazards**

Other hazards not contributing to the classification : No data available

disorders and/or aggravate pre-existing blood disorders.

**2.4. Unknown acute toxicity (GHS-US)**  
Not applicable

**SECTION 3: Composition/information on ingredients**

**3.1. Substance**

Not applicable

**3.2. Mixture**

| Name   | Product Identifier              | %        | Classification (GHS-US)             |
|--|---------------------------------|----------|-------------------------------------|
| D-glycylglycylarginine decyl octyl glycoside | ICAS No: 68515-73-1             | 18.5-2.0 | Sk. Irr. 2 H319<br>Eye Irr. 2A H319 |
| Water  | ICAS No: 7732-18-5              | 38-42    | Not classified                      |
| Decan-2-ol                                   | ICAS No: 112-30-1 111-67-6-75-2 | < 2      | Sk. Irr. 2 H319<br>Eye Irr. 2A H319 |

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** : If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.  
**First-aid measures after skin contact** : Wash with plenty of water.  
**First-aid measures after eye contact** : Immediately flush eyes thoroughly with water for at least 15 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** : No medical treatment necessary.

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

Most important symptoms and effects, both acute and delayed: Aside from the information found under Description of first aid measures (above) and Indication of immediate medical attention and special treatment needed (below), any additional important symptoms and effects are described in Section 11: Toxicology information.  
Indication of any immediate medical attention and special treatment needed  
Notes to physician: Chemical eye burns may require extended irrigation. Obtain prompt consultation, preferably from an ophthalmologist. No specific antidote. Treatment of exposure should be directed at the control of symptoms and the clinical condition of the patient.

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

Treat symptomatically.

**SECTION 5: Firefighting measures**

**5.1. Extinguishing media**

Suitable extinguishing media : Carbon dioxide Dry powder, Foam Sand Water spray  
Unsuitable extinguishing media : No data available

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

Fire hazard : Not flammable  
Explosion hazard : Heat may build pressure, rupturing closed containers, spreading fire and increasing risk of burns and injuries

**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 : 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 : Wear self-contained breathing apparatus when entering area unless atmosphere is proved to be safe.

**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. Avoid release to the environment.

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

For containment : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible.  
Methods for cleaning up : Small quantities of liquid spill: take up in non-combustible absorbent material and shovel into container for disposal. 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 : Avoid contact with skin, eyes and clothing. Avoid prolonged or repeated contact with skin.  
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. Use personal protective equipment as required.  
Hygiene measures : Do not eat, drink or smoke when using this product. Wash hands and forearms thoroughly after handling.

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

Storage conditions : Keep only in the original container in a cool, well ventilated place. Keep container closed when not in use.  
Incompatible products : Strong oxidizers.  
Storage area : Store, if possible, in a cool, well ventilated place away from incompatible materials.  
Special rules on packaging : Handle unclean empty containers as full ones.

**7.3. Specific end uses**

No additional information available.

**SECTION 8: Exposure controls/personal protection**

**8.1. Control parameters**

| ImmacuClean ASM1  |                |  |
|-------------------|----------------|--|
| ACGIH             | Not applicable |  |
| OSHA              | Not applicable |  |
| Water (7732-18-5) |                |  |
| ACGIH             | Not applicable |  |
| OSHA              | Not applicable |  |

| Octanol |                                     |                       |
|---------|-------------------------------------|-----------------------|
| ACGIH   | ACGIH TWA (ppm)                     | 20 ppm                |
| OSHA    | OSHA PEL (TWA) (mg/m <sup>3</sup> ) | 240 mg/m <sup>3</sup> |
| OSHA    | OSHA PEL (TWA) (ppm)                | 50 ppm                |

**8.2. Exposure controls**

Appropriate engineering controls : Local exhaust and general ventilation must be adequate to meet exposure standards  
Personal protective equipment : Avoid all unnecessary exposure

Hand protection : Wear suitable gloves resistant to chemical penetration  
Eye protection : Chemical goggles  
Skin and body protection : Wear suitable protective clothing  
Respiratory protection : Where exposure through inhalation may occur from use, respiratory protection equipment is recommended.  
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 : Brown.  
Color : Colorless  
Odor : slight  
Odor threshold : No data available  
pH : 7 @ 5% in aqueous solution  
Melting point : -9°C  
Freezing point : 102°C  
Boiling point : 100 °C  
Flash point : > 121 °C Open cup  
Relative evaporation rate (butyl acetate=1) : 0.80  
Flammability (solid, gas) : No data available  
Explosion limits : No data available  
Explosive properties : No data available  
Oxidizing properties : No data available  
Vapor pressure : 14.9 mmHg  
Relative density : No data available  
Relative vapor density at 20 °C : No data available  
Specific gravity / density : 1.15 g/cm<sup>3</sup>  
Solubility : Soluble in water  
Log Pow : No data available  
Log Kow : No data available  
Auto-ignition temperature : No data available  
Decomposition temperature : No data available  
Viscosity : No data available  
Viscosity, kinematic : No data available  
Viscosity, dynamic : 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**

Not established.

**10.3. Possibility of hazardous reactions**

Not established.

**10.4. Conditions to avoid**

Extremely high or low temperatures