

**SECTION 1: Identification**

**1.1. Product identifier**

Product name : STAINLESS STEEL SHINE  
Product code : 1301024

**1.2. Recommended use and restrictions on use**

Recommended use : Stainless cleaner and polish  
Restrictions on use : Food Plant, Industrial and Institutional use only

**1.3. Supplier**

Project Clean Inc.  
12 James St N, Suite 202  
Hamilton, Ontario L8R 2J9  
T 1 800 663 9925  
[regulatory@projectclean.com](mailto:regulatory@projectclean.com) - [www.projectclean.ca](http://www.projectclean.ca)

**1.4. Emergency telephone number**

Country	Organisation/Company	Address	Emergency number	Comment
Canada	CHEMTREC Chemical Emergency	<a href="http://www.chemtrec.com">www.chemtrec.com</a>	1 800 424 9300	24hr/day 7days/week within USA and Canada
Canada	CANUTEC Transportation Emergency	<a href="http://www.canutec.com">www.canutec.com</a>	1 888 226 8832 *666 on a cell phone	24hr/day 7days/week within USA and Canada

**SECTION 2: Hazard identification**


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

**Classification (GHS CA)**

Serious eye damage/eye irritation, Category 2      H319      Causes serious eye irritation.  
Full text of H-statements: see section 16

**2.2. GHS Label elements, including precautionary statements**

**GHS CA labelling**

Hazard pictograms (GHS CA) : 

Signal word (GHS CA) : Warning

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Hazard statements (GHS CA) : H319 - Causes serious eye irritation.

Precautionary statements (GHS CA) : P264 - Wash hands, forearms and face thoroughly after handling.  
P280 - Wear eye protection or 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 or attention.

### 2.3. Other hazards

No additional information available

### 2.4. Unknown acute toxicity (GHS CA)

No data available

## SECTION 3: Composition/information on ingredients

### 3.1. Substances

Not applicable

### 3.2. Mixtures

Name	Chemical name / Synonyms	Product identifier	% w/w
Alcohol Ethoxylate	Ethoxylated alcohols (C=7-21)	CAS-No.: 68991-48-0	1 - 5
2-methylpentane-2,4-diol	2,4-Pentanediol, 2-methyl-	CAS-No.: 107-41-5	1 - 5
Fatty acids, coco	-	CAS-No.: 68604-75-1	1 - 5

*\*The exact concentrations have been withheld as a trade secret. Les concentrations exactes ont été retenues en tant que secret commercial.*

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

## SECTION 4: First-aid measures

### 4.1. Description of first aid measures

First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing.  
First-aid measures after skin contact : Wash skin with plenty of water.  
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 or attention.  
First-aid measures after ingestion : Call a poison center or a doctor if you feel unwell.  
First-aid measures general : If you feel unwell, seek medical advice.

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### 4.2. Most important symptoms and effects (acute and delayed)

Symptoms/effects after inhalation	: Although no appropriate human or animal health effects data are known to exist, this material is expected to be an inhalation hazard.
Symptoms/effects after skin contact	: None under normal conditions.
Symptoms/effects after eye contact	: Eye irritation.
Symptoms/effects after ingestion	: None under normal conditions.
Chronic symptoms	: No effects known.
Expected Symptoms/Effects, Acute and Delayed	: Eye irritation.

### 4.3. Immediate medical attention and special treatment, if necessary

Other medical advice or treatment : Treat symptomatically.

## SECTION 5: Fire-fighting measures

### 5.1. Suitable extinguishing media

Suitable extinguishing media : Water spray. Dry powder. Foam. Carbon dioxide.

### 5.2. Unsuitable extinguishing media

Unsuitable extinguishing media : Do not use a heavy water stream.

### 5.3. Specific hazards arising from the hazardous product

Fire hazard	: No fire hazard.
Explosion hazard	: No direct explosion hazard.
Hazardous decomposition products in case of fire	: Toxic fumes may be released.

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

Firefighting instructions	: Fight fire from safe distance and protected location. Do not enter fire area without proper protective equipment, including respiratory protection.
Protection during firefighting	: Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

## SECTION 6: Accidental release measures

General measures : Stop leak if safe to do so. Notify authorities if product enters sewers or public waters. Absorb spillage to prevent material damage.

### 6.1.1. For non-emergency personnel

Protective equipment	: Safety glasses (EN 166). Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.
Emergency procedures	: Ventilate spillage area. Avoid contact with eyes.

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### 6.1.2. For emergency responders

- Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls or personal protection".
- Emergency procedures : Evacuate unnecessary personnel. Stop leak if safe to do so.

### 6.2. Environmental precautions

Avoid release to the environment.

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

- For containment : Absorb spilled material with sand or earth. Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. Stop leak without risks if possible.
- Methods for cleaning up : Take up liquid spill into absorbent material.
- Other information : Dispose of materials or solid residues at an authorized site.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

- Precautions for safe handling : Ensure good ventilation of the work station. Avoid contact with skin and eyes. Wear personal protective equipment.
- Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling the product.
- Additional hazards when processed : Not expected to present a significant hazard under anticipated conditions of normal use.

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

- Technical measures : Keep in a cool, well-ventilated place away from heat.
- Storage conditions : Keep cool. Protect from sunlight.
- Incompatible products : Oxidizing agent.
- Incompatible materials : Nitrites. alkaline materials.
- Packaging materials : Store always product in container of same material as original container.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

No additional information available

### 8.2. Appropriate engineering controls

- Appropriate engineering controls : Ensure good ventilation of the work station.
- Environmental exposure controls : Avoid release to the environment.

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### 8.3. Individual protection measures/Personal protective equipment

#### Personal protective equipment:

Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

<b>Hand protection:</b>
Not required for normal conditions of use
<b>Eye protection:</b>
Safety glasses
<b>Skin and body protection:</b>
Not required for normal conditions of use
<b>Respiratory protection:</b>
In case of insufficient ventilation, wear suitable respiratory equipment

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



## SECTION 9: Physical and chemical properties

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

Physical state	: Liquid
Appearance	: Milky white liquid.
Colour	: White
Odour	: No added fragrance
Odour threshold	: No data available
pH	: 4 – 5
Relative evaporation rate (butylacetate=1)	: No data available
Relative evaporation rate (ether=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Initial boiling point and boiling range	: No data available
Flash point	: No data available
Auto-ignition temperature	: Not self-igniting
Decomposition temperature	: No data available
Upper and lower flammability or explosive limit	: Not flammable, Not applicable

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Vapour pressure	: No data available
Relative vapour density at 20°C	: No data available
Relative density	: 0.995 – 1.005
Solubility	: Soluble in water.
Partition coefficient n-octanol/water (Log Pow)	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: Thin like water
Explosive properties	: Product is not explosive.
Explosive limits	: No data available

### 9.2. Other information

No additional information available

## SECTION 10: Stability and reactivity

Reactivity	: The product is non-reactive under normal conditions of use, storage and transport.
Chemical stability	: Stable under normal conditions.
Possibility of hazardous reactions	: No dangerous reactions known under normal conditions of use.
Conditions to avoid	: None under recommended storage and handling conditions (see section 7).
Incompatible materials	: Alkalines. Nitrites. Oxidizing materials. Chlorates, Nitrates, Hypochlorite.
Hazardous decomposition products	: Under normal conditions of storage and use, hazardous decomposition products should not be produced.
Hardening time:	: No additional information available

## 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

Alcohol Ethoxylate (68991-48-0)	
LD50 oral rat	> 2000 mg/kg
LD50 dermal rabbit	> 2000 mg/kg
2-methylpentane-2,4-diol (107-41-5)	
LD50 oral rat	> 2000 mg/kg bodyweight (OECD 420: Acute Oral toxicity – Acute Toxic Class Method, Rat, Male / female, Experimental value, Oral, 15 day(s))

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2-methylpentane-2,4-diol (107-41-5)	
LD50 dermal rat	> 2000 mg/kg bodyweight (OECD 402: Acute Dermal Toxicity, 24 h, Rat, Male / female, Experimental value, Dermal, 15 day(s))
LC50 Inhalation - Rat	> 55 mg/l (Equivalent or similar to OECD 403, 8 h, Rat, Male, Experimental value, Inhalation (vapours), 14 day(s))

Skin corrosion/irritation	: Not classified
Serious eye damage/irritation	: Causes serious eye irritation.
Respiratory or skin sensitization	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
STOT-single exposure	: Not classified
STOT-repeated exposure	: Not classified

2-methylpentane-2,4-diol (107-41-5)	
NOAEL (oral, rat, 90 days)	450 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity Study in Rodents)

Aspiration hazard	: Not classified
Likely routes of exposure	: Eyes contact.
Expected Symptoms/Effects, Acute and Delayed	: Eye irritation.
Symptoms/effects after inhalation	: Although no appropriate human or animal health effects data are known to exist, this material is expected to be an inhalation hazard.
Symptoms/effects after skin contact	: None under normal conditions.
Symptoms/effects after eye contact	: Eye irritation.
Symptoms/effects after ingestion	: None under normal conditions.
Chronic symptoms	: No effects known.

## SECTION 12: Ecological information

### 12.1. Toxicity

Ecology - general	: The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.
Hazardous to the aquatic environment, short-term (acute)	: Not classified.
Hazardous to the aquatic environment, long-term (chronic)	: Not classified

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Partition coefficient n-octanol/water (Log Pow)	No data available

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Alcohol Ethoxylate (68991-48-0)	
LC50 - Fish [1]	70.1 mg/l 48 hours
EC50 - Crustacea [1]	5.3 mg/l Daphnia, 48 hours
EC50 96h - Algae [1]	3.389 mg/l Source: EPI SUITE
2-methylpentane-2,4-diol (107-41-5)	
LC50 - Fish [1]	9450 mg/l (Equivalent or similar to OECD 203, 96 h, Oncorhynchus mykiss, Flow-through system, Fresh water, Experimental value, Lethal)
EC50 - Crustacea [1]	5410 mg/l (Equivalent or similar to OECD 202, 48 h, Daphnia magna, Static system, Fresh water, Experimental value, Locomotor effect)
EC50 72h - Algae [1]	> 429 mg/l (OECD 201: Alga, Growth Inhibition Test, Pseudokirchneriella subcapitata, Static system, Fresh water, Experimental value, Growth rate)
Partition coefficient n-octanol/water (Log Pow)	0.58 (QSAR, KOWWIN)
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	0 (log Koc, Calculated value)

### 12.2. Persistence and degradability

#### STAINLESS STEEL SHINE

Persistence and degradability Contains readily biodegradable component(s).

Alcohol Ethoxylate (68991-48-0)	
Persistence and degradability	Readily biodegradable in water.
2-methylpentane-2,4-diol (107-41-5)	
Persistence and degradability	Readily biodegradable in water.
Biochemical oxygen demand (BOD)	0.02 g O <sub>2</sub> /g substance
Chemical oxygen demand (COD)	2.2 g O <sub>2</sub> /g substance
ThOD	2.3 g O <sub>2</sub> /g substance

### 12.3. Bioaccumulative potential

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Bioaccumulative potential No test data of component(s) available.

Partition coefficient n-octanol/water (Log Pow) No data available



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2-methylpentane-2,4-diol (107-41-5)	
Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).
Partition coefficient n-octanol/water (Log Pow)	0.58 (QSAR, KOWWIN)
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	0 (log Koc, Calculated value)

### 12.4. Mobility in soil

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Ecology - soil No (test) data on mobility of the substance available.

Partition coefficient n-octanol/water (Log Pow) No data available

Alcohol Ethoxylate (68991-48-0)	
Mobility in soil	589.5 Source: EPI SUITE

2-methylpentane-2,4-diol (107-41-5)	
Ecology - soil	Highly mobile in soil.
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	0 (log Koc, Calculated value)
Partition coefficient n-octanol/water (Log Pow)	0.58 (QSAR, KOWWIN)

### 12.5. Other adverse effects

Ozone : Not classified

## SECTION 13: Disposal considerations

### 13.1. Disposal methods

- Regional waste regulation : Disposal must be done according to official regulations.
- Waste treatment methods : Dispose of contents and or container in accordance with licensed collector's sorting instructions.
- Sewage disposal recommendations : Disposal must be done according to official regulations.
- Product/Packaging disposal recommendations : Disposal must be done according to official regulations.
- Additional information : Do not re-use empty containers.
- Ecological information : Avoid release to the environment.

## SECTION 14: Transport information

### 14.1. UN number

Not regulated for transport

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### 14.2. UN proper shipping name

Proper Shipping Name (TDG) : Not applicable

### 14.3. Transport hazard class(es)

#### TDG

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

### 14.4. Packing group

Packing group (TDG) : Not applicable

### 14.5. Environmental hazards

Other information : No supplementary information available.

### 14.6. Special precautions for user

#### TDG

No data available

### 14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

## SECTION 15: Regulatory information

### 15.1. National regulations

#### Alcohol Ethoxylate (68991-48-0)

Listed on the Canadian DSL (Domestic Substances List)

#### 2-methylpentane-2,4-diol (107-41-5)

Listed on the Canadian DSL (Domestic Substances List)

#### Fatty acids, coco (68604-75-1)

Listed on the Canadian DSL (Domestic Substances List)

### 15.2. International regulations

#### Alcohol Ethoxylate (68991-48-0)

Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active

#### 2-methylpentane-2,4-diol (107-41-5)

Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active  
Listed on INSQ (Mexican National Inventory of Chemical Substances)

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**Fatty acids, coco (68604-75-1)**

Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active

### SECTION 16: Other information

Issue date : 02/29/2024

#### Full text of H-statements:

H319	Causes serious eye irritation.
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It is the responsibility of the user to provide a safe workplace, using the health and safety information contained herein as a guide. Project Clean 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.