

Safety Data Sheet

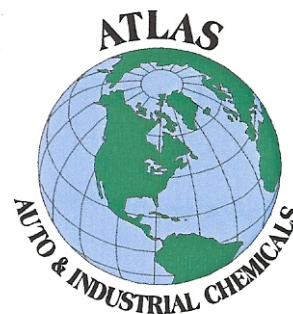
according to 1907/2006/EC (REACH), 1272/2008/EC (CLP), and
OSHA GHS

Printing date 4-1-23

Revision: 4-1-23

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

- **1.1 Product identifier**
- **Trade name:** Orange Splash
- **1.2 Relevant identified uses of the substance or mixture and uses advised against**
No further relevant information available.
- **Application of the substance / the mixture** Exterior vehicle cleaner
- **Uses advised against** Contact manufacturer.
- **1.3 Details of the supplier of the Safety Data Sheet**
- **Manufacturer/Supplier:**
Atlas Chemical
4626 Eagle Falls Place
Tampa, FL 33619
- **1.4 Emergency telephone number:**
ChemTel Inc.
+1 (800)255-3924, +1 (813)248-0585



SECTION 2: Hazards identification

- **2.1 Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**
Classifications listed are applicable to the OSHA GHS Hazard Communication Standard (29CFR1910.1200).
The following Hazard Statements are applicable only to the EU regulations and not the US GHS regulation: H412.



corrosion

Eye Dam. 1 H318 Causes serious eye damage.



Skin Irrit. 2 H315 Causes skin irritation.

Aquatic Chronic 3 H412 Harmful to aquatic life with long lasting effects.

- **Additional information:**
There are no other hazards not otherwise classified that have been identified.
0 % of the mixture consists of component(s) of unknown toxicity.

- **2.2 Label elements**
- **Labelling according to Regulation (EC) No 1272/2008**
The product is additionally classified and labelled according to the Globally Harmonized System within the United States (GHS).
The product is classified and labelled according to the CLP regulation.

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- **Hazard pictograms**



GHS05

- **Signal word** Danger

- **Hazard-determining components of labelling:**

EDTA, Tetrasodium Salt

disodium metasilicate

Poly(oxy-1,2-ethanediyl), alpha-(4-nonylphenyl)-omega-hydroxy, branched

- **Hazard statements**

The following Hazard Statements are applicable only to the EU regulations and not the US GHS regulation: H412.

H315 Causes skin irritation.

H318 Causes serious eye damage.

H412 Harmful to aquatic life with long lasting effects.

- **Precautionary statements**

The following Precautionary Statements are applicable only to the EU CLP regulations and not the OSHA GHS regulations: P273.

P264 Wash thoroughly after handling.

P280 Wear protective gloves / eye protection.

P273 Avoid release to the environment.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P302+P352 IF ON SKIN: Wash with plenty of water.

P310 Immediately call a POISON CENTER/doctor.

P332+P313 If skin irritation occurs: Get medical advice/attention.

P362+P364 Take off contaminated clothing and wash it before reuse.

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

- **NFPA ratings (scale 0 - 4)**



Health = 3

Fire = 0

Reactivity = 0

- **HMIS-ratings (scale 0 - 4)**



Health = 3

Fire = 0

Reactivity = 0

- **2.3 Other hazards**

- **Results of PBT and vPvB assessment**

- **PBT:** Not applicable.

- **vPvB:** Not applicable.

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SECTION 3: Composition/information on ingredients

3.2 Mixtures

Description: Mixture of substances listed below with nonhazardous additions.

Dangerous components:

CAS: 61789-40-0 EINECS: 263-058-8	Cocoamidopropyl Betaine Skin Irrit. 2, H315; Eye Irrit. 2, H319	2,5-10%
CAS: 13235-36-4	EDTA, Tetrasodium Salt Eye Dam. 1, H318 Acute Tox. 4, H302	2,5-10%
CAS: 6834-92-0 EINECS: 229-912-9 Index number: 014-010-00-8	disodium metasilicate Met. Corr. 1, H290; Skin Corr. 1B, H314; Eye Dam. 1, H318 STOT SE 3, H335	2,5-10%
CAS: 111-76-2 EINECS: 203-905-0 Index number: 603-014-00-0	2-butoxyethanol Acute Tox. 4, H302; Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319	2,5-10%
CAS: 127087-87-0 NLP: 500-315-8	Poly(oxy-1,2-ethanediyl),alpha-(4-nonylphenyl)-omega-hydroxy, branched Eye Dam. 1, H318 Aquatic Chronic 2, H411 Acute Tox. 4, H302; Skin Irrit. 2, H315	2,5-10%
CAS: 1310-73-2 EINECS: 215-185-5 Index number: 011-002-00-6	sodium hydroxide Met. Corr. 1, H290; Skin Corr. 1A, H314; Eye Dam. 1, H318	≤ 2,5%

SVHC

127087-87-0	Poly(oxy-1,2-ethanediyl),alpha-(4-nonylphenyl)-omega-hydroxy, branched
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Additional information:

For the listed ingredient(s), the identity and exact percentages are being withheld as a trade secret.

SECTION 4: First aid measures

4.1 Description of first aid measures

General information:

Immediately remove any clothing soiled by the product.

Take affected persons out into the fresh air.

After inhalation: Supply fresh air; consult doctor in case of complaints.

After skin contact:

Immediately rinse with water.

If skin irritation continues, consult a doctor.

After eye contact:

Protect unharmed eye.

Remove contact lenses if worn, if possible.

Rinse opened eye for several minutes under running water. Then consult a doctor.

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- **After swallowing:**
Rinse out mouth and then drink plenty of water.
Do not induce vomiting; call for medical help immediately.
- **4.2 Most important symptoms and effects, both acute and delayed**
Breathing difficulty
Coughing
Irritant to skin and mucous membranes.
Strong irritant with the danger of severe eye injury.
Nausea in case of ingestion.
Gastric or intestinal disorders when ingested.
Vomiting.
Diarrhea.
- **Hazards**
Causes serious eye damage.
May be harmful if inhaled.
- **4.3 Indication of any immediate medical attention and special treatment needed**
If swallowed, gastric irrigation with added, activated carbon.
Medical supervision for at least 48 hours.

SECTION 5: Firefighting measures

- **5.1 Extinguishing media**
- **Suitable extinguishing agents:** Use fire extinguishing methods suitable to surrounding conditions.
- **For safety reasons unsuitable extinguishing agents:** None.
- **5.2 Special hazards arising from the substance or mixture**
Formation of toxic gases is possible during heating or in case of fire.
- **5.3 Advice for firefighters**
- **Protective equipment:**
Wear self-contained respiratory protective device.
Wear fully protective suit.
- **Additional information** No further relevant information available.

SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**
Ensure adequate ventilation
Use personal protective equipment as required.
Particular danger of slipping on leaked/spilled product.
- **6.2 Environmental precautions:**
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
- **6.3 Methods and material for containment and cleaning up:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Dispose contaminated material as waste according to section 13.
Send for recovery or disposal in suitable receptacles.

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6.4 Reference to other sections

- See Section 7 for information on safe handling.
- See Section 8 for information on personal protection equipment.
- See Section 13 for disposal information.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

- Prevent formation of aerosols.
- Use only in well ventilated areas.
- Avoid splashes or spray in enclosed areas.

Information about fire - and explosion protection: No special measures required.

7.2 Conditions for safe storage, including any incompatibilities

Storage:

Requirements to be met by storerooms and receptacles:

- Store in a cool location.
- Unsuitable material for receptacle: aluminium.
- Provide ventilation for receptacles.

Information about storage in one common storage facility:

- Store away from foodstuffs.
- Store away from oxidising agents.
- Do not store together with acids.

Further information about storage conditions: Keep container tightly sealed.

7.3 Specific end use(s) No further relevant information available.

SECTION 8: Exposure controls/personal protection

Additional information about design of technical facilities: No further data; see section 7.

8.1 Control parameters

Ingredients with limit values that require monitoring at the workplace:

111-76-2 2-butoxyethanol

IOELV (EU)	Short-term value: 246 mg/m ³ , 50 ppm Long-term value: 98 mg/m ³ , 20 ppm Skin
PEL (USA)	Long-term value: 240 mg/m ³ , 50 ppm Skin
REL (USA)	Long-term value: 24 mg/m ³ , 5 ppm Skin
TLV (USA)	Long-term value: 97 mg/m ³ , 20 ppm BEI
EL (Canada)	Long-term value: 20 ppm
EV (Canada)	Long-term value: 20 ppm Skin

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1310-73-2 sodium hydroxide

PEL (USA)	Long-term value: 2 mg/m ³
REL (USA)	Ceiling limit: 2 mg/m ³
TLV (USA)	Ceiling limit: 2 mg/m ³
EL (Canada)	Ceiling limit: 2 mg/m ³
EV (Canada)	Ceiling limit: 2 mg/m ³

- **DNELs** No further relevant information available.
- **PNECs** No further relevant information available.

• **Ingredients with biological limit values:****111-76-2 2-butoxyethanol**

BEI (USA)	200 mg/g creatinine Medium: urine Time: end of shift Parameter: Butoxyacetic acid with hydrolysis
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• **8.2 Exposure controls**• **Personal protective equipment:**• **General protective and hygienic measures:**

The usual precautionary measures are to be adhered to when handling chemicals.
Keep away from foodstuffs, beverages and feed.
Immediately remove all soiled and contaminated clothing.
Wash hands before breaks and at the end of work.
Avoid contact with the eyes and skin.

• **Respiratory protection:**

Not required under normal conditions of use.
Use suitable respiratory protective device when high concentrations are present.
Use suitable respiratory protective device in case of insufficient ventilation.
For large spills, respiratory protection may be advisable.

• **Protection of hands:**

Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

• **Material of gloves**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

• **Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

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· Eye protection:



Safety glasses

- **Body protection:** Protective work clothing
- **Limitation and supervision of exposure into the environment** Avoid release to the environment.
- **Risk management measures** See Section 7 for additional information.

SECTION 9: Physical and chemical properties

· 9.1 Information on basic physical and chemical properties

· General Information

· Appearance:

Form:	Liquid
Colour:	Clear
Odour:	Citrus
Odour threshold:	Not determined.

· pH-value: Not determined.

· Change in condition

Melting point/Melting range:	Not determined.
Boiling point/Boiling range:	Not determined.

· Flash point: Not applicable.

· Flammability (solid, gaseous): Not applicable.

· Auto/Self-ignition temperature: Not determined.

· Decomposition temperature: Not determined.

· Self-igniting: Product is not self-igniting.

· Danger of explosion: Product does not present an explosion hazard.

· Explosion limits:

Lower:	Not determined.
Upper:	Not determined.

· Oxidising properties: Non-oxidising.

· Vapour pressure: Not determined.

· Density: Not determined.

· Relative density: Not determined.

· Vapour density: Not determined.

· Evaporation rate: Not determined.

· Solubility in / Miscibility with water:

Fully miscible.

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- **Partition coefficient (n-octanol/water):** Not determined.
- **Viscosity:**
 - Dynamic:** Not determined.
 - Kinematic:** Not determined.
- **9.2 Other information** No further relevant information available.

SECTION 10: Stability and reactivity

- **10.1 Reactivity** No further relevant information available.
- **10.2 Chemical stability**
- **Thermal decomposition / conditions to be avoided:**
No decomposition if used and stored according to specifications.
- **10.3 Possibility of hazardous reactions**
Reacts with acids.
Reacts with strong oxidising agents.
Toxic fumes may be released if heated above the decomposition point.
- **10.4 Conditions to avoid**
Avoid acids.
Store away from oxidising agents.
- **10.5 Incompatible materials:** Oxidizers, strong bases, strong acids
- **10.6 Hazardous decomposition products:**
Carbon monoxide and carbon dioxide
Nitrogen oxides (NO_x)

SECTION 11: Toxicological information

- **11.1 Information on toxicological effects**
- **Acute toxicity** Based on available data, the classification criteria are not met.

· LD/LC50 values relevant for classification:

111-76-2 2-butoxyethanol

Oral	LD50	1480 mg/kg (rat)
Dermal	LD50	400 mg/kg (rab)
Inhalative	LC50/4h	450 ppm (rat)

127087-87-0 Poly(oxy-1,2-ethanediyl),alpha-(4-nonylphenyl)-omega-hydroxy, branched

Oral	LD50	1410 mg/kg (rat)
Dermal	LD50	2830 mg/kg (rabbit)

- **Primary irritant effect:**
- **Skin corrosion/irritation**
Causes skin irritation.
- **Serious eye damage/irritation**
Causes serious eye damage.
- **Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.

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- **Acute effects (acute toxicity, irritation and corrosivity):**
Causes serious eye damage.
Irritating to skin.
- **Repeated dose toxicity:** No further relevant information available.
- **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction):**
- **Germ cell mutagenicity** Based on available data, the classification criteria are not met.
- **Carcinogenicity** Based on available data, the classification criteria are not met.
- **Reproductive toxicity** Based on available data, the classification criteria are not met.
- **STOT-single exposure** Based on available data, the classification criteria are not met.
- **STOT-repeated exposure** Based on available data, the classification criteria are not met.
- **Aspiration hazard** Based on available data, the classification criteria are not met.

SECTION 12: Ecological information

- **12.1 Toxicity**
- **Aquatic toxicity:**
Toxic for aquatic organisms

127087-87-0 Poly(oxy-1,2-ethanediyl),alpha-(4-nonylphenyl)-omega-hydroxy, branched

LC50 > 3,8 mg/l (pimephales promelas)

- **12.2 Persistence and degradability** No further relevant information available.
- **12.3 Bioaccumulative potential** No further relevant information available.
- **12.4 Mobility in soil** No further relevant information available.
- **Ecotoxicological effects:**
- **Remark:** Toxic for fish
- **Additional ecological information:**
- **General notes:**
Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water
Must not reach sewage water or drainage ditch undiluted or unneutralised.
- **12.5 Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **12.6 Other adverse effects** No further relevant information available.

SECTION 13: Disposal considerations

- **13.1 Waste treatment methods**
- **Recommendation**
Small amounts may be diluted with plenty of water and washed away. Dispose of larger amounts in accordance with Local Authority requirements.
Can be disposed of with household garbage with prior chemical-physical or biological treatment following consultation with the waste disposal facility operator and the pertinent authorities and adhering to the necessary technical regulations.

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The user of this material has the responsibility to dispose of unused material, residues and containers in compliance with all relevant local, state and federal laws and regulations regarding treatment, storage and disposal for hazardous and nonhazardous wastes. Residual materials should be treated as hazardous.

- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.

SECTION 14: Transport information

- | | |
|--|-----------------|
| · 14.1 UN-Number | |
| · DOT, ADR, IMDG, IATA | Not Regulated |
| · 14.2 UN proper shipping name | |
| · DOT, ADR, IMDG, IATA | Not Regulated |
| · 14.3 Transport hazard class(es) | |
| · DOT, ADR, IMDG, IATA | |
| · Class | Not Regulated |
| · 14.4 Packing group | |
| · DOT, ADR, IMDG, IATA | Not Regulated |
| · 14.5 Environmental hazards: | Not applicable. |
| · 14.6 Special precautions for user | Not applicable. |
| · 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code | Not applicable. |
| · UN "Model Regulation": | Not Regulated |

SECTION 15: Regulatory information

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **United States (USA)**
- **SARA**

- **Section 355 (extremely hazardous substances):**

None of the ingredients are listed.

- **Section 313 (Specific toxic chemical listings):**

111-76-2 | 2-butoxyethanol

- **TSCA (Toxic Substances Control Act):**

All ingredients are listed.

- **Proposition 65 (California):**

- **Chemicals known to cause cancer:**

None of the ingredients are listed.

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· Chemicals known to cause reproductive toxicity for females:						
None of the ingredients are listed.						
· Chemicals known to cause reproductive toxicity for males:						
None of the ingredients are listed.						
· Chemicals known to cause developmental toxicity:						
None of the ingredients are listed.						
· Carcinogenic Categories						
· EPA (Environmental Protection Agency)						
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 15%;">111-76-2</td> <td style="width: 70%;">2-butoxyethanol</td> <td style="width: 15%; text-align: center;">NL</td> </tr> </table>	111-76-2	2-butoxyethanol	NL			
111-76-2	2-butoxyethanol	NL				
· IARC (International Agency for Research on Cancer)						
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 15%;">111-76-2</td> <td style="width: 70%;">2-butoxyethanol</td> <td style="width: 15%; text-align: center;">3</td> </tr> </table>	111-76-2	2-butoxyethanol	3			
111-76-2	2-butoxyethanol	3				
· TLV (Threshold Limit Value established by ACGIH)						
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 15%;">111-76-2</td> <td style="width: 70%;">2-butoxyethanol</td> <td style="width: 15%; text-align: center;">A3</td> </tr> </table>	111-76-2	2-butoxyethanol	A3			
111-76-2	2-butoxyethanol	A3				
· NIOSH-Ca (National Institute for Occupational Safety and Health)						
None of the ingredients are listed.						
· Canada						
· Canadian Domestic Substances List (DSL)						
All ingredients are listed.						
· Canadian Ingredient Disclosure list (limit 0.1%)						
None of the ingredients are listed.						
· Canadian Ingredient Disclosure list (limit 1%)						
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 15%;">6834-92-0</td> <td style="width: 70%;">disodium metasilicate</td> <td style="width: 15%;"></td> </tr> <tr> <td style="width: 15%;">111-76-2</td> <td style="width: 70%;">2-butoxyethanol</td> <td style="width: 15%;"></td> </tr> </table>	6834-92-0	disodium metasilicate		111-76-2	2-butoxyethanol	
6834-92-0	disodium metasilicate					
111-76-2	2-butoxyethanol					
· Directive 2012/18/EU						
· Named dangerous substances - ANNEX I						
None of the ingredients are listed.						
· Other regulations, limitations and prohibitive regulations						
· Substances of very high concern (SVHC) according to REACH, Article 57						
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 15%;">127087-87-0</td> <td style="width: 85%;">Poly(oxy-1,2-ethanediyl),alpha-(4-nonylphenyl)-omega-hydroxy, branched</td> </tr> </table>	127087-87-0	Poly(oxy-1,2-ethanediyl),alpha-(4-nonylphenyl)-omega-hydroxy, branched				
127087-87-0	Poly(oxy-1,2-ethanediyl),alpha-(4-nonylphenyl)-omega-hydroxy, branched					
· 15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.						

SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- **Relevant phrases**

H290 May be corrosive to metals.
H302 Harmful if swallowed.

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H312 Harmful in contact with skin.
 H314 Causes severe skin burns and eye damage.
 H315 Causes skin irritation.
 H318 Causes serious eye damage.
 H319 Causes serious eye irritation.
 H332 Harmful if inhaled.
 H335 May cause respiratory irritation.
 H411 Toxic to aquatic life with long lasting effects.

• **Abbreviations and acronyms:**

Met. Corr.1: Corrosive to metals, Hazard Category 1
 Acute Tox. 4: Acute toxicity, Hazard Category 4
 Skin Corr. 1A: Skin corrosion/irritation, Hazard Category 1A
 Skin Corr. 1B: Skin corrosion/irritation, Hazard Category 1B
 Skin Irrit. 2: Skin corrosion/irritation, Hazard Category 2
 Eye Dam. 1: Serious eye damage/eye irritation, Hazard Category 1
 Eye Irrit. 2: Serious eye damage/eye irritation, Hazard Category 2
 STOT SE 3: Specific target organ toxicity - Single exposure, Hazard Category 3
 Aquatic Chronic 2: Hazardous to the aquatic environment - Chronic Hazard, Category 2
 Aquatic Chronic 3: Hazardous to the aquatic environment - Chronic Hazard, Category 3

• **Sources**

Website, European Chemicals Agency (<http://echa.europa.eu/>)
 Website, US EPA Substance Registry Services (http://ofmpub.epa.gov/sor_internet/registry/substreg/home/overview/home.do)
 Website, Chemical Abstracts Registry, American Chemical Society (<https://www.cas.org>)
 Patty's Industrial Hygiene, 6th ed., Rose, Vernon, ed. ISBN: 978-0-470-07488-6
 Casarett and Doull's Toxicology: The Basic Science of Poisons, 8th Ed., Klaassen, Curtis D., ed., ISBN: 978-0-07-176923-5.
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 Website: www.chemtelinc.com