

# SAFETY DATA SHEET

Date issued : 12/01/2022  
SDS number : Triple S\_Orange Plus  
Date revised : 07/17/2023  
Revision number : 1

## Orange Plus Citrus Cleaner

### 1. Identification

**Product code:** 13062, 13063, 13064  
**Product identifier:** Orange Plus Citrus Cleaner  
**Product description:** General Purpose Cleaner  
**Chemical family:** Solvent/detergent blend  
**Relevant identified uses:** Cleans moderate industrial soils and grease.

**Distributor**

Triple S  
98 Spit Brook Road  
Nashua, NH 03062  
<http://www.triple-s.com>

**Customer Service:** 978-667-7900

**Emergency telephone number (24 hour)**

888-779-1339

### 2. Hazard identification

**Classification of the substance or mixture**

**Health hazards:**

Serious Eye Damage, Category 1

**Label elements**



Corrosion

**Signal word:** DANGER

**Hazard statement(s)**

H318: Causes serious eye damage.

H402: Harmful to aquatic life.

**Precautionary statement(s)**

**Prevention:**

P273: Avoid release to the environment.

P280: Wear eye protection/face protection.

**Response:**

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

P310: Immediately call a POISON CENTER or doctor/physician.

**Disposal:**

P501: Dispose of contents/container according to all local, state and Federal regulations.

**Emergency overview**

**Physical appearance:** Orange Liquid

**Immediate concerns:** Corrosive to the eyes.

**Potential health effects**

**Eye:** Corrosive, contact causes severe eye burns.

**Skin:** None Expected.

**Skin absorption:** None Expected.

**Ingestion:** Although of moderate to low toxicity, ingestion of large amounts can cause gastrointestinal irritation, nausea, vomiting, diarrhea.

**Inhalation:** Mist may be irritating to nose, throat and lungs.

**Reproductive toxicity**

**Reproductive toxicity:** None known.

**Teratogenic effects:** None known.

**Carcinogenicity:** No listed substance

**Mutagenicity:** None known.

**Medical conditions aggravated:** Respiratory conditions such as asthma may be aggravated.

**Routes of entry:** Eye, skin, ingestion, inhalation.

**Cancer statement:** None

**Warning caution labels:** Corrosive

### 3. Composition/information on ingredients

Chemical name	% w/w	CAS No.
PPG-2 Methyl Ether	1 - 5	34590-94-8
C9-11 Pareth-6	1 - 5	68439-46-3
Sodium Xylenesulfonate	1 - 5	1300-72-7
Diethylhexyl Sodium Sulfosuccinate	1 - 5	577-11-7
Fragrance	< 1	TS
Dye	< 0.1	TS
Water	80 - 90	7732-18-5

**Comments:** If CAS number is "TS", the specific chemical identity has been withheld as a trade secret.

### 4. First-aid measures

**Eye:** Immediately flush eyes with water for at least 15 minutes, while holding eyelids open. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Seek medical attention immediately.

**Skin:** Wash with soap and water. Get medical attention if irritation develops or persists.

**Ingestion:** Get immediate medical attention. Do not induce vomiting unless instructed to do so by poison center or physician.

**Inhalation:** Remove victim to fresh air and monitor. Seek medical advise if irritation persists.

#### Most important symptoms and effects, both acute and delayed

**Eye:** Burning sensation with tearing, redness.

**Skin:** None Expected.

**Skin absorption:** None Expected.

**Ingestion:** May cause temporary stomach distress, nausea or vomiting.

**Inhalation:** Irritation of nose, throat and lungs with coughing, sneezing, possible difficulty breathing.

**Acute effects:** Corrosive to eyes.

### 5. Fire-fighting measures

**Flammable class:** NA = Not Applicable

**General hazard:** NA = Not Applicable

**Suitable extinguishing media:** Not required. Water based material.

### 6. Accidental release measures

**Small spill:** Avoid walking in product. Wipe up or otherwise flush small spills to sanitary sewer.

**Large spill:** Avoid walking in material. Prevent product from entering into stream, soil, storm sewer or other bodies of water.

#### Environmental precautions

**Water spill:** Avoid discharges into open waterways and notify your local emergency services if this occurs.

**Land spill:** Avoid discharge to soil.

**Air spill:** NA = Not Applicable

**General procedures:** Isolate spill or leak area immediately. Keep unauthorized personnel away. Do not touch or walk through spilled material. Prevent entry into waterways, sewers, or confined areas. Absorb with dry earth, sand or other non-combustible material and transfer to containers.

**Release notes:** Product is harmful to aquatic life.

**Special protective equipment:** Eye protection, rubber gloves, rubber boots to protect feet.

### 7. Handling and storage

**General procedures:** Close container after use.

**Precautions for safe handling:** Wear eye protection, rubber gloves when handling concentrate.

**Conditions for safe storage:** Store in area inaccessible to children.

**Storage temperature:** Store at ambient temperatures.

**Storage pressure:** Store at ambient atmospheric pressure.

### 8. Exposure controls/personal protection

## Exposure controls

Control parameters				
		Occupational exposure limit values		
Chemical name	Type		ppm	mg/m <sup>3</sup>
PPG-2 Methyl Ether	OSHA PEL	TWA	100	600
	ACGIH TLV	TWA	100	606
		STEL	150	909

**Appropriate engineering controls:** No special requirements.

### Individual protection measures, such as personal protective equipment

**Eye / face protection:** Chemical splash goggles and full face-shield.

**Skin protection - hand protection:** Rubber or other chemical resistant gloves.

**Respiratory protection:** A respirator is not needed under normal and intended conditions of product use.

**Skin protection - other:** Chemical resistant outerwear (tyvek) if contact with spray or mist is anticipated.

**Occupational hygiene practices:** Wash with soap and water after handling. Do not eat, drink or smoke while using product.

## 9. Physical and chemical properties

**Physical state:** Liquid

**Color:** Orange

**Odor:** Citrus

**Odor threshold:** Not Established

**pH:** 12.4 to 13.4

**Melting point:** Not Available

**Freezing point:** 32° F; 0° C

**Initial boiling point and boiling range:** 212° F; 100° C

**Flash point:** >200°F (>93°C)

**Evaporation rate (n-butyl acetate = 1):** No data available

**Lower explosion limit / flammability limit:** N/A

**Vapor pressure:** No data available

**Relative vapor density:** No data available

**Density:** 8.41 at (68°F)

**Relative density:** 1.008 grams/ml.

**Solubility:** Complete

**Auto-ignition temperature:** No data available

**Viscosity:** Water thin.

**Percent volatiles:** >85

**VOC content:** 4.75 % by weight

## 10. Stability and reactivity

**Reactivity:** Stable

**Dangerous polymerization:** No

**Conditions to avoid:** Not Established

**Possibility of hazardous reactions:** None Expected.

**Hazardous decomposition products:** None known.

**Incompatible materials:** Strong acids, oxidizers.

## 11. Toxicological information

### Acute toxicity

Chemical name	LD <sub>50</sub> (oral) mg/kg(rat)	LD <sub>50</sub> (dermal) mg/kg(rabbit)	LC <sub>50</sub> (inhalation) mg/l
C9-11 Pareth-6	500 mg/kg (rat)	> 2000 mg/kg (rabbit)	No data available
Diethylhexyl Sodium Sulfosuccinate	1900 mg/kg (rat)	No data available	No data available

**Acute dermal toxicity LD<sub>50</sub>:** > 2000 mg/kg male and female rabbits.

**Acute oral toxicity LD<sub>50</sub>:** > 2000 mg/kg (rat)

**Acute inhalation toxicity LC<sub>50</sub>:** Not Established

**Skin corrosion / irritation:** No known significant effects or critical hazards.

**Serious eye damage / irritation:** Causes serious eye damage

**Respiratory or skin sensitization:** No known significant effects or critical hazards.

**Germ cell mutagenicity:** No known significant effects or critical hazards.

**Carcinogenicity**

IARC: No listed substance

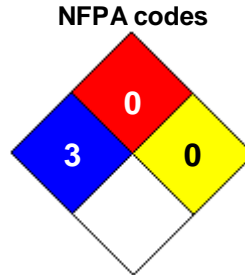
**Reproductive toxicity:** No known significant effects or critical hazards.**Specific Target Organ Toxicity - single exposure:** No known significant effects or critical hazards.**12. Ecological information****Ecotoxicological information:** This material is harmful to aquatic life.**Persistence and degradability:** This product is biodegradable.**13. Disposal considerations****Disposal methods:** Any method in accordance with local, state and federal laws. Best method is to recycle or reuse for intended purpose. If discarded, this material and its containers should be treated as hazardous waste based on the characteristics of corrosivity as defined under federal RCRA regulations (40 CFR 261). Consult local authorities for disposal into public sewer.**For large spills:** Consult with local and state authorities for large volume disposal.**Product disposal:** See above.**Empty container:** Rinse container with clear water. Offer container for recycling, or dispose of in trash.**RCRA/EPA waste information:** Corrosive**RCRA hazard class:** D002**14. Transport information****USA Department of Transport Regulations (DOT)****UN proper shipping name:** Not regulated.**ADR / RID - road / rail****UN proper shipping name:** Contact manufacturer for more information.**ICAO - air****UN proper shipping name:** Contact manufacturer for more information.**IMDG - sea****UN proper shipping name:** Contact manufacturer for more information.**Canadian Transport of Dangerous Goods Regulations (TDG)****UN proper shipping name:** Contact manufacturer for more information.**15. Regulatory information****UNITED STATES****SARA Section 311/312 Hazard Categories****311/312 Health hazards:** Health - Acute**313 reportable ingredients:** None**EPCRA Section 302 Extremely Hazardous Substances****EPCRA Status:** No listed substance**CERCLA Hazardous Substances and Reportable Quantities (RQ)****CERCLA regulatory:** No listed substance**TSCA (The Toxic Substances Control Act)****TSCA regulatory:** All ingredients are listed on the TSCA Chemical Inventory.**States with special requirements**

Chemical name	Requirements
PPG-2 Methyl Ether	Massachusetts Right to Know Substance New Jersey Right To Know Substance Pennsylvania Right to Know Substance

**California Proposition 65:** None**Carcinogen:** No listed substance**16. Other information****Date revised:** 07/17/2023**Revision summary:** This SDS replaces the 12/01/2022 SDS. Revised: **Section 2:** Classification of the substance or mixture, Emergency overview - Immediate concerns Medical conditions aggravated, Potential health effects ( Skin protection - hand protection, Inhalation, Ingestion ), Reproductive toxicity, Routes of entry, Warning caution labels, Signal word, Label elements, Precautionary statement(s). **Section 3:** % w/w. **Section 4:** Acute toxicity, Most important symptoms and effects, both acute and delayed ( Skin protection - hand protection, Skin absorption ). **Section 6:** Air spill, Release notes. **Section 9:** Auto-ignition temperature, Initial boiling point and boiling range, Evaporation rate (n-butyl acetate = 1), Flash point, Freezing point, Odor threshold, Percent volatiles, pH, Relative vapor density, Vapor pressure. **Section 11:** Acute ( LD<sub>50</sub> (dermal) mg/kg(rabbit), LD<sub>50</sub> (dermal) mg/kg(rabbit), LD<sub>50</sub> (oral) mg/kg(rat), LD<sub>50</sub> (oral) mg/kg(rat), LD<sub>50</sub> (oral) mg/kg(rat) ), Specific Target Organ Toxicity - single exposure, , Skin corrosion / irritation. **Section 12:** Mobility in soil, Ecotoxicological information, Other adverse effects, General comments, Bioaccumulative potential, Aquatic toxicity, both acute and chronic ( 48-hour EC<sub>50</sub>, 96-hour LC<sub>50</sub>, 96-hour LC<sub>50</sub>, 48-hour

EC<sub>50</sub>, 48-hour EC<sub>50</sub>, Notes ). **Section 13:** Disposal methods, RCRA/EPA waste information, RCRA hazard class. **Section 14:** ICAO - air - UN proper shipping name ADR / RID - road / rail - UN proper shipping name UN proper shipping name, IMDG - sea - UN proper shipping name. **Section 15:** CERCLA regulatory, EPCRA Section 302 Extremely Hazardous Substances. **Section 16:** HMIS rating ( Personal protection ), NFPA codes - Health.

HMIS rating		
Health	<input type="checkbox"/>	3
Flammability	<input type="checkbox"/>	0
Physical hazard	<input type="checkbox"/>	0
Personal protection	<input type="checkbox"/>	C



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