

SAFETY DATA SHEET

Date issued : 12/01/2022
SDS number : Triple S_Orange Plus

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>

Emergency telephone number (24 hour)

888-779-1339

Customer Service: 978-667-7900

2. Hazard identification

Classification of the substance or mixture

Health hazards:

Eye Irritation, Category 2A
Skin Irritation, Category 2

Label elements



Exclamation
mark

Signal word: WARNING

Hazard statement(s)

H319: Causes serious eye irritation.
H315: Causes skin irritation.
H303: May be harmful if swallowed.

Precautionary statement(s)

Prevention:

P262: Do not get in eyes, on skin, or on clothing.
P280: Wear protective gloves/protective clothing/eye protection/face protection.
P264: Wash hands thoroughly after handling.
P102: Keep out of reach of children.
P273: Avoid release to the environment.

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.
P337+P313: If eye irritation persists: Get medical advice/attention.
P302+P352: IF ON SKIN: Wash with plenty of soap and water
P332+P313: If skin irritation occurs: Get medical advice/attention.
P362: Take off contaminated clothing.
P301+P312: IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.

Storage:

P404: Store in a closed container.

Disposal:

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

Emergency overview

Physical appearance: Orange Liquid

Immediate concerns: Eye & Skin irritant

Potential health effects

Eye: Irritating, and may injure eye tissue if not removed promptly.

Skin: Skin irritant with prolonged or repeated contact.

Skin absorption: None Expected.

Ingestion: Although of moderate to low toxicity, ingestion can cause gastrointestinal irritation, nausea, vomiting, diarrhea, and possible death.

Inhalation: Mist is irritating to nose, throat and lungs.

Reproductive toxicity

Teratogenic effects: None known.

Carcinogenicity: No listed substance

Mutagenicity: None known.

Medical conditions aggravated: Previous skin conditions such as dermatitis may be aggravated.

Routes of entry: Eye, skin, ingestion.

Cancer statement: None

Warning caution labels: Irritant

3. Composition/information on ingredients

Chemical name	% w/w	CAS No.
Nonoxynol	0 - 5	127087-87-0
Diethylhexyl Sodium Sulfosuccinate	0 - 5	577-11-7
Disodium Lauryl Phenyl Ether Disulfonate	0 - 5	119345-04-9
Sodium Metasilicate	0 - 2	6834-92-0
PPG-2 Methyl Ether	0 - 5	34590-94-8
Fragrance	0 - 1	TS
Dye	0 - 0.05	TS
Water	85 - 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: Prolonged contact will cause irritation marked by redness, burning sensation.

Skin absorption: Not Established

Ingestion: Irritation of mouth, throat, along with upset stomach, vomiting.

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

Acute effects: Not Established

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.

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.

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 ³
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

pH: 11.5 to 12.0

Melting point: Not Available

Freezing point: ~ 0°C (32°F)

Initial boiling point and boiling range: ~ 100°C (212°F)

Flash point: None

Evaporation rate (n-butyl acetate = 1): (Water =1) 1.0

Lower explosion limit / flammability limit: N/A

Vapor pressure: ≤ 20 mm Hg at (68°F)

Relative vapor density: ≤ 1 Air = 1

Density: 8.41 at (68°F)

Relative density: 1.008 grams/ml.

Solubility: Complete

Auto-ignition temperature: NA = Not Applicable

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 ₅₀ (oral) mg/kg(rat)	LD ₅₀ (dermal) mg/kg(rabbit)	LC ₅₀ (inhalation) mg/l
Nonoxynol	3980 mg/kg (rat)	No data available	1.15 mg/L
Diethylhexyl Sodium Sulfosuccinate	1900 mg/kg (rat)	No data available	No data available
Sodium Metasilicate	1152 to 1349 mg/kg (rat)		
PPG-2 Methyl Ether	> 5000 mg/kg (rat)	9510 mg/kg (rabbit)	

Acute dermal toxicity LD₅₀: Not Established

Acute oral toxicity LD₅₀: Not Established

Acute inhalation toxicity LC₅₀: Not Established

Serious eye damage / irritation: Irritant

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.

12. Ecological information

Ecotoxicological information: No known significant effects or critical hazards noted.

Aquatic toxicity, both acute and chronic

96-hour LC₅₀: > 100 mg/l (fish)

48-hour EC₅₀: > 100 mg/l (daphnia magna)

Notes: Acute toxicity derived from major component information.

Persistence and degradability: This product is biodegradable.

Bioaccumulative potential: None Expected.

Other adverse effects: No known significant effects or critical hazards.

Mobility in soil: Not Established

General comments:

No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this product.

13. Disposal considerations

Disposal methods: Small amounts (less than 5 gallons) may be disposed of in sanitary sewer. Consult local authorities for additional disposal information.

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: NA = Not Applicable

14. Transport information

USA Department of Transport Regulations (DOT)

UN proper shipping name: Not regulated.

ADR / RID - road / rail

UN proper shipping name: Cleaning Compound, not regulated.

ICAO - air

UN proper shipping name: Not regulated.

IMDG - sea

UN proper shipping name: Not regulated.

15. Regulatory information

UNITED STATES

SARA Section 311/312 Hazard Categories

311/312 Health hazards: Health - Acute

313 reportable ingredients: None

EPCRA Section 313 Toxic Chemicals

Chemical name	% w/w	CAS No.	Comments
Nonoxynol	0 - 5	127087-87-0	N535 Nonylphenol Ethoxylates

EPCRA Section 302 Extremely Hazardous Substances

EPCRA Status: NA = Not Applicable

CERCLA Hazardous Substances and Reportable Quantities (RQ)

CERCLA regulatory: NA = Not Applicable

TSCA (The Toxic Substances Control Act)

TSCA regulatory: All ingredients are listed on the TSCA Chemical Inventory.

States with special requirements

Chemical name	Requirements
Nonoxynol	Massachusetts Right to Know Substance New Jersey Right To Know Substance Pennsylvania Right to Know Substance
Sodium Metasilicate	Pennsylvania Right to Know Substance New Jersey Right To Know Substance
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

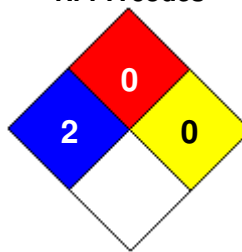
16. Other information

Date Prepared: 12/01/2022

HMIS rating

Health		2
Flammability		0
Physical hazard		0
Personal protection	B	

NFPA codes



Manufacturer disclaimer: This company cannot anticipate all conditions of handling and use of this product. Therefore, this company accepts no responsibility for results obtained by the application of this information, or the safety and suitability of the product either alone or in combination with other products. It is the responsibility of the employer and/or user to provide a safe workplace, using health and safety information contained herein as a guide. This company will accept no liability for damages or losses incurred from the improper handling and use of this product.