

Safety Data Sheet

ORANGE LIMONENE APC & DEGREASER

SECTION 1: Identification

1.1 Product identifier

Product name ORANGE LIMONENE APC & DEGREASER
Product number OL11500

1.3 Recommended use of the chemical and restrictions on use

Degreaser

1.4 Supplier's details

Name UNIFIED SOLUTIONS FOR CLEANING
Address 3 EVANS TERMINAL RD
HILLSIDE NJ 07205
Telephone 973-412-3300

SECTION 2: Hazard identification

2.1 Classification of the substance or mixture

GHS classification in accordance with OSHA (29 CFR 1910.1200)

- Corrosive to metals (chapter 2.16), Cat. 1
- Eye damage/irritation (chapter 3.3), Cat. 1
- Skin corrosion/irritation (chapter 3.2), Cat. 1

2.2 GHS label elements, including precautionary statements

Pictogram



Signal word

Danger

Hazard statement(s)

H290 May be corrosive to metals
H318 Causes serious eye damage
H314 Causes severe skin burns and eye damage

Precautionary statement(s)

P234 Keep only in original container.
P390 Absorb spillage to prevent material damage.
P406 Store in a corrosive resistant/... container with a resistant inner liner.

Safety Data Sheet

ORANGE LIMONENE APC & DEGREASER

P280 P305+P351+P338 + P310	Wear protective gloves/protective clothing/eye protection/face protection. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor.
P260 P264 P301+P330+P331 P303+P361+P353	Do not breathe dust/fume/gas/mist/vapours/spray. Wash hands thoroughly after handling. IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P363 P304+P340 P321 P405 P501	Wash contaminated clothing before reuse. IF INHALED: Remove person to fresh air and keep comfortable for breathing. Specific treatment (see First aid measures on this label). Store locked up. Dispose of contents/container to ...

2.3 Other hazards which do not result in classification

No data available.

Statement regarding ingredients of unknown toxicity (OSHA)

No data available.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Hazardous components

1. Sodium metasilicate pentahydrate

Concentration >= 1 - <= 3 % (Weight)
CAS no. 10213-79-3

- Acute toxicity, oral (chapter 3.1), Cat. 4
- Eye damage/irritation (chapter 3.3), Cat. 1
- Skin corrosion/irritation (chapter 3.2), Cat. 1B
- Specific target organ toxicity, single exposure (chapter 3.8), Cat. 3

H302 Harmful if swallowed
H314 Causes severe skin burns and eye damage
H335 May cause respiratory irritation

2. Ethylenediaminetetraacetic acid tetrasodium salt

Concentration >= 0.3 - <= 0.5 % (Weight)

Other names / synonyms Calsol; Celon E; Edetate sodium; EDTA (Ethylenediaminetetraacetic acid, tetra-sodium salt hydrate); EDTA tetrasodium; EDTA, tetrasodium salt; Ethylenediaminetetraacetic acid tetrasodium salt; Glycine, N,N'-1,2-ethanediybis[N-(carboxymethyl)-, sodium salt (1:4); Sodium edetate; Tetrasodium ethylenediaminetetraacetate; Tetrine; Versene

EC no. 200-573-9
CAS no. 64-02-8
Index no. 607-428-00-2

- Acute toxicity, oral (chapter 3.1), Cat. 4

Safety Data Sheet

ORANGE LIMONENE APC & DEGREASER

- Eye damage/irritation (chapter 3.3), Cat. 1

H302+H312 Harmful if swallowed or in contact with skin
H318 Causes serious eye damage

3. Sodium xylenesulfonate

Concentration $\geq 2 - \leq 5$ % (Weight)

Other names / synonyms ALKATROPE SX-40; BENZENESULFONIC ACID, DIMETHYL-, SODIUM SALT; Benzenesulfonic acid, dimethyl-, sodium salt (1:1); CALSOFT SXS 96; CAROSULF SXS; CONCO SXS; CYCLOPHIL SXS30; DIMETHYLBENZENESULFONIC ACID, SODIUM SALT; ELTESOL SX 30; ELTESOL SX93; HYDROTROPE; NAXONATE; NAXONATE G; NCI-C55403; REWORYL NXS40; RICHONATE SXS; SODIUM DIMETHYLBENZENESULFONATE; SODIUM XYLENE SULFONATE; SODIUM XYLENESULFONATE; STEPANATE X; SURCO SXS; ULTRAWET 40SX; WITCONATE SXS; XYLENESULFONIC ACID, SODIUM SALT; XYLENESULFONICACIDSODIUMSALT

EC no. 215-090-9

CAS no. 1300-72-7

- Eye damage/irritation (chapter 3.3), Cat. 2A
- Skin corrosion/irritation (chapter 3.2), Cat. 2
- Specific target organ toxicity, single exposure (chapter 3.8), Cat. 3

H315 Causes skin irritation
H319 Causes serious eye irritation
H335 May cause respiratory irritation

4. Orange terpenes

Concentration $\geq 1 - \leq 4$ % (Weight)

Other names / synonyms Citrus extract

EC no. 232-433-8

CAS no. 8028-48-6

- Aspiration hazard (chapter 3.10), Cat. 1
- Flammable liquids (chapter 2.6), Cat. 3
- Hazardous to the aquatic environment - acute hazard (chapter 4.1), Cat. 2
- Hazardous to the aquatic environment - long-term hazard (chapter 4.1), Cat. 2
- Skin corrosion/irritation (chapter 3.2), Cat. 2

H226 Flammable liquid and vapor
H304 May be fatal if swallowed and enters airways
H315 Causes skin irritation
H317 May cause an allergic skin reaction
H411 Toxic to aquatic life with long lasting effects

SECTION 4: First-aid measures

4.1 Description of necessary first-aid measures

Safety Data Sheet

ORANGE LIMONENE APC & DEGREASER

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance.
If inhaled	If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash off with soap and plenty of water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

4.2 Most important symptoms/effects, acute and delayed

Symptoms/injuries Causes severe skin burns and eye damage.

4.3 Indication of immediate medical attention and special treatment needed, if necessary

No data available.

SECTION 5: Fire-fighting measures

5.1 Suitable extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

5.2 Specific hazards arising from the chemical

No data available.

5.3 Special protective actions for fire-fighters

Use water spray to cool unopened containers. Wear self-contained breathing apparatus for firefighting if necessary.

Further information

No data available.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Use personal protective equipment.

6.2 Environmental precautions

Do not let product enter sewers or public waters.

6.3 Methods and materials for containment and cleaning up

Soak up with inert absorbent material and dispose of as hazardous waste. Keep in suitable, closed containers for disposal.

Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage

7.1 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.

Safety Data Sheet

ORANGE LIMONENE APC & DEGREASER

7.2 Conditions for safe storage, including any incompatibilities

Keep container tightly closed in a dry and well-ventilated place. Incompatible products : Strong bases. Strong acids.

Specific end use(s)

No data available.

SECTION 8: Exposure controls/personal protection

8.2 Appropriate engineering controls

General industrial hygiene practice.

8.3 Individual protection measures, such as personal protective equipment (PPE)

Eye/face protection

Safety glasses. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin protection

Handle with gloves.

Respiratory protection

No data available.

Environmental exposure controls

Prevent further leakage or spillage if safe to do so. Do not let product enter sewers or public waters.

SECTION 9: Physical and chemical properties

Information on basic physical and chemical properties

Appearance/form	Orange liquid
Odor	Orange
Odor threshold	No data available.
pH	11-12
Melting point/freezing point	No data available.
Initial boiling point and boiling range	No data available.
Flash point	No data available.
Evaporation rate	No data available.
Flammability (solid, gas)	No data available.
Upper/lower flammability limits	No data available.
Upper/lower explosive limits	No data available.
Vapor pressure	No data available.
Vapor density	No data available.
Relative density	1.1
Solubility(ies)	Water
Partition coefficient: n-octanol/water	No data available.
Auto-ignition temperature	No data available.
Decomposition temperature	No data available.
Viscosity	No data available.
Explosive properties	No data available.
Oxidizing properties	No data available.

Other safety information

No data available.

Safety Data Sheet

ORANGE LIMONENE APC & DEGREASER

SECTION 10: Stability and reactivity

10.1 Reactivity

No data available.

10.2 Chemical stability

Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions

No data available.

10.4 Conditions to avoid

Extremely high or low temperatures.

10.5 Incompatible materials

Strong acids

10.6 Hazardous decomposition products

Carbon oxides

SECTION 11: Toxicological information

Information on toxicological effects

Acute toxicity

Not classified

We have not carried out any animal testing for this product. Any ATE figures quoted below are from Toxicity Classifications that have been carried out using ATE (Acute Toxicity Estimate) Calculation Method using LD50 or ATE figures provided by the Raw Material Manufacturer.

Sodium xylenesulfonate

LD50 Oral - Rat - male and female - \geq 7,200 mg/kg

LD50 Oral - Rabbit - male and female - $>$ 2,000 mg/kg

Sodium metasilicate pentahydrate

LD50 Oral - Rat - 847 mg/kg

Ethylenediaminetetraacetic acid tetrasodium salt

LD50 Oral - Rat - 630-1,260 mg/kg

Orange terpenes

LD50 Oral - Rat - $>$ 5,000 mg/kg

LD50 Skin - Rat - $>$ 5,000 mg/kg

Skin corrosion/irritation

Corrosive to eyes and skin

Serious eye damage/irritation

Corrosive to eyes and skin

Safety Data Sheet

ORANGE LIMONENE APC & DEGREASER

Respiratory or skin sensitization

Not classified

Germ cell mutagenicity

Not classified

Carcinogenicity

Not classified

Reproductive toxicity

Not classified

Summary of evaluation of the CMR properties

Not classified

STOT-single exposure

Not classified

STOT-repeated exposure

Not classified

Aspiration hazard

Not classified

Additional information

Not classified

SECTION 12: Ecological information

Toxicity

No data available.

Persistence and degradability

No data available.

Bioaccumulative potential

No data available.

Mobility in soil

No data available.

Results of PBT and vPvB assessment

No data available.

Other adverse effects

No data available.

SECTION 13: Disposal considerations

Disposal of the product

Offer surplus and non-recyclable solutions to a licensed disposal company.

Disposal of contaminated packaging

Dispose of as unused product.

Safety Data Sheet

ORANGE LIMONENE APC & DEGREASER

SECTION 14: Transport information

DOT (US)

UN Number: 3266

Class: 8

Packing Group: II

Proper Shipping Name: Corrosive liquid, basic, inorganic, n.o.s. (Sodium metasilicate)

Reportable quantity (RQ):

Marine pollutant: No

Poison inhalation hazard: No

IMDG

UN Number: 3266

Class: 8

Packing Group: II

EMS Number: F-A, S-B

Proper Shipping Name: Corrosive liquid, basic, inorganic, n.o.s. (Sodium metasilicate)

IATA

UN Number: 3266

Class: 8

Packing Group: II

Proper Shipping Name: Corrosive liquid, basic, inorganic, n.o.s. (Sodium metasilicate)

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations specific for the product in question

California Prop. 65 Components

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

Massachusetts Right To Know Components

No components are subject to the Massachusetts Right to Know Act.

New Jersey Right To Know Components

Sodium xylenesulphonate

Orange terpenes

Pennsylvania Right To Know Components

Sodium xylenesulphonate

Orange terpenes

SARA 302 Components

No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 311/312 Hazards

Acute Health Hazard

SARA 313 Components

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.

Safety Data Sheet
ORANGE LIMONENE APC & DEGREASER

SECTION 16: Other information

16.1 Further information/disclaimer

DISCLAIMER: The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigation to determine the suitability of information for their particular purposes. In no event shall NORSHEL INDUSTRIES INC.HANDY KLENZ be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, whatsoever arising, even if Unified Solutions For Cleaning has been advised of the possibility of such damages.