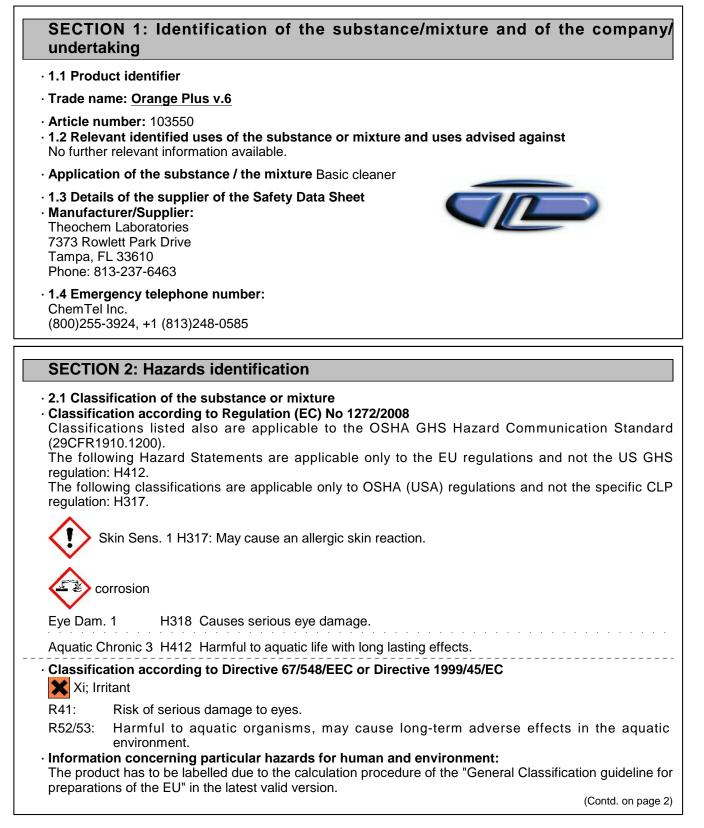
352010

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

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· Classification system:

The classification is according to the latest editions of the EU-lists, and extended by company and literature data.

The classification is in accordance with the latest editions of international substances lists, and is supplemented by information from technical literature and by information provided by the company.

· 2.2 Label elements

· Labelling according to Regulation (EC) No 1272/2008

The substance is 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.

· Hazard pictograms



GHS07 - USA Only.



- · Signal word Danger
- · Hazard-determining components of labelling:

alcohols, C9-11, ethoxylated

tetrasodium ethylenediaminetetraacetate

Hazard statements

The following Hazard Statements are applicable only according to OSHA regulations within the United States. These Statements are not applicable for the CLP regulation (1272/2008/EC) in the EU: H317. The following Hazard Statements are applicable only to the EU regulations and not the US GHS regulation: H412.

H317: May cause an allergic skin reaction.

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 OSHA GHS regulations and not the specific CLP regulation: P333+P313, P302+P352.

P280 Wear protective gloves / eye 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.

- P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
- P302+P352 IF ON SKIN: Wash with plenty of water.

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

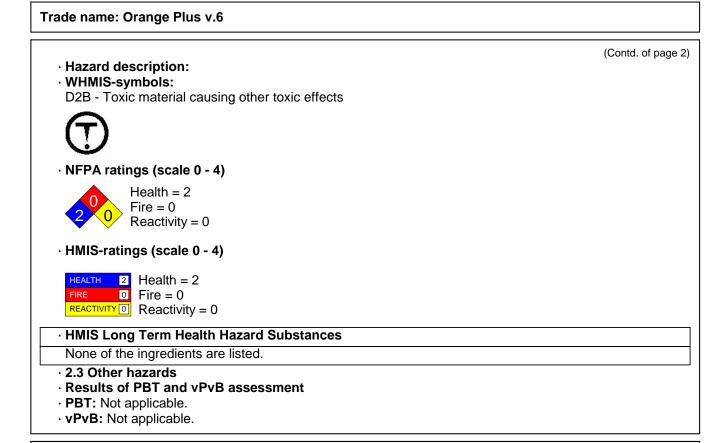
· Additional information:

Contains (R)-p-mentha-1,8-diene. May produce an allergic reaction.

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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: 68439-46-3 alcohols, C9-11, ethoxylated	≤ 2,5%	
NLP: 500-446-0 Xi R41		
CAS: 64-02-8 EINECS: 200-573-9 Index number: 607-428-00-2 Index number: 607-428-00-2	etate <u>≤ 2,5%</u>	
CAS: 1643-20-5 dodecyldimethylamine oxide EINECS: 216-700-6 Xn R22; Xi R36/38	≤ 2,5%	
CAS: 5989-27-5 EINECS: 227-813-5 Index number: 601-029-00-7 R10 Flam. Liq. 3, H226 Aquatic Acute 1, H400; Aquatic C Skin Irrit. 2, H315; Skin Sens. 1, I		

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• Additional information: For the wording of the listed risk phrases refer to section 16.

SECTION 4: First aid measures

- · 4.1 Description of first aid measures
- · General information: Immediately remove any clothing soiled by the product.
- After inhalation: Supply fresh air; consult doctor in case of complaints.

· After skin contact:

Immediately wash with water and soap and rinse thoroughly.

If skin irritation continues, consult a doctor.

After eye contact: Remove contact lenses if worn, if possible.

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

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 Strong irritant with the danger of severe eye injury.
 Slight irritant effect on skin and mucous membranes.
 Gastric or intestinal disorders.
- · Hazards No further relevant information available.
- **4.3 Indication of any immediate medical attention and special treatment needed** Treat skin and mucous membrane with antihistamine and corticoid preparations. Contains (R)-p-mentha-1,8-diene. May produce an allergic reaction.

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.
- \cdot 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 Use respiratory protective device against the effects of fumes/dust/aerosol.

Wear protective equipment. Keep unprotected persons away.

Particular danger of slipping on leaked/spilled product.

Ensure adequate ventilation

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- \cdot 6.2 Environmental precautions: Do not allow to enter sewers/ surface or ground water.
- · 6.3 Methods and material for containment and cleaning up:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Pick up mechanically.

Dispose contaminated material as waste according to item 13.

Ensure adequate ventilation.

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.
- · Information about fire and explosion protection: No special measures required.
- · 7.2 Conditions for safe storage, including any incompatibilities
- · Storage:
- \cdot Requirements to be met by storerooms and receptacles:
- Avoid storage near extreme heat, ignition sources or open flame.
- Information about storage in one common storage facility: Store away from foodstuffs.
 Do not store together with acids.
- Store away from oxidising agents.
- Further information about storage conditions:
- Store in cool, dry conditions in well sealed receptacles.
- Protect from frost.
- · 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 item 7.

- · 8.1 Control parameters
- · Ingredients with limit values that require monitoring at the workplace:

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

- \cdot **DNELs** No further relevant information available.
- · PNECs No further relevant information available.
- · Additional information: The lists valid during the making were used as basis.
- · 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.

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Colour:

· Odour threshold:

· Odour:

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Trade name: Orange Plus v.6 (Contd. of page 5) 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 aerosol or mist is formed. For spills, respiratory protection may be advisable. · Protection of hands: Gloves not required under normal conditions of use. Wear protective gloves to handle contents of damaged or leaking units. The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation. · Material of gloves The selection of the suitable gloves does not only depend on the material, but also on further marks of guality 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. · Eye protection: Safety glasses · Body protection: Not required under normal conditions of use. Protection may be required for spills. Protective work clothing · Limitation and supervision of exposure into the environment No further relevant information available. · Risk management measures See Section 7 for additional information. No further relevant information available. **SECTION 9: Physical and chemical properties** · 9.1 Information on basic physical and chemical properties · General Information · Appearance: Form: Liquid

Orange

Fruit-like

Not determined.

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-		
		(Contd. of page 6)
· pH-value at 20 °C:	11,0 - 12,0	
 Change in condition Melting point/Melting range: Boiling point/Boiling range: 	Not Determined. 212 °F / 100 °C	
· 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: Upper: 	Not determined. Not determined.	
· Vapour pressure at 20 °C:	23 hPa	
 Density at 20 °C: Relative density Vapour density Evaporation rate 	1,00-1,02 g/cm ³ Not determined. Not determined. Not determined.	
 Solubility in / Miscibility with water: 	Fully miscible.	
· Partition coefficient (n-octanol/water):	Not determined.	
 Viscosity: Dynamic: Kinematic: 9.2 Other information 	Not determined. Not determined. No further relevant information available.	

SECTION 10: Stability and reactivity

- · 10.1 Reactivity
- · 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 strong acids.
- **10.4 Conditions to avoid** No further relevant information available.
- **10.5 Incompatible materials:** No further relevant information available.
- **10.6 Hazardous decomposition products:** Carbon monoxide and carbon dioxide
- Possible in traces:

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Nitrogen oxides (NOx)

SECTION 11: Toxicological information

· 11.1 Information on toxicological effects

· Acute toxicity:

· LD/LC50 values relevant for classification:

5989-27-5 (R)-p-mentha-1,8-diene

Oral LD50 4400 mg/kg (rat)

Primary irritant effect:

- on the skin: Slight irritant effect on skin and mucous membranes.
- on the eye: Irritating effect.

· Sensitisation:

Sensitising effect by skin contact is possible by prolonged exposure.

Contains (R)-p-mentha-1,8-diene. May produce an allergic reaction.

· Additional toxicological information:

The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version: Irritant

· Repeated dose toxicity: Repeated exposures may result in skin and/or respiratory sensitivity.

SECTION 12: Ecological information

· 12.1 Toxicity

- · Aquatic toxicity: The product contains materials that are harmful to the environment.
- · 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.
- · Additional ecological information:
- · General notes:

Do not allow product to reach ground water, water course or sewage system.

- Must not reach sewage water or drainage ditch undiluted or unneutralised.
- \cdot 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

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

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Can be burned with household garbage after consulting with the waste disposal facility operator and the pertinent authorities and adhering to the necessary technical regulations. 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.

· Recommended cleansing agents: Water, if necessary together with cleansing agents.

SECTION 14: Transport information		
· 14.1 UN-Number		
· DOT, ADR, ADN, IMDG, IATA	Not Regulated	
• 14.2 UN proper shipping name		
 DOT, ADR, ADN, IMDG, IATA 14.3 Transport hazard class(es) 	Not Regulated	
1 ()		
· DOT, ADR, ADN, IMDG, IATA · Class	Not Regulated	
· 14.4 Packing group	Not Negulated	
· DOT, ADR, IMDG, IATA	Not Regulated	
 14.5 Environmental hazards: 		
 Marine pollutant: 	No	
 14.6 Special precautions for user 	Not applicable.	
14.7 Transport in bulk according to Annex II of		
MARPOL73/78 and the IBC Code	Not applicable.	
· UN "Model Regulation":		

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):

None of the ingredients are listed.

· TSCA (Toxic Substances Control Act):

- All ingredients are listed.
- Proposition 65 (California):

Chemicals known to cause cancer:

None of the ingredients is 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)	
None of the ingredients are listed.	
· IARC (International Agency for Research on Cancer)	
5989-27-5 (R)-p-mentha-1,8-diene	3
• TLV (Threshold Limit Value established by ACGIH)	· · · ·
None of the ingredients are listed.	
· 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%)	
1643-20-5 dodecyldimethylamine oxide	
Other regulations, limitations and prohibitive regulations This product has been classified in accordance with hazard criteria of the Controlled P and the SDS contains all the information required by the Controlled Products Regulation	
\cdot Substances of very high concern (SVHC) according to REACH, Article 57	
None of the ingredients are listed.	
· 15.2 Chemical safety assessment: A Chemical Safety Assessment has not been car	ried 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

- H226 Flammable liquid and vapour.
- H302 Harmful if swallowed.
- H315 Causes skin irritation.
- H317 May cause an allergic skin reaction.
- H318 Causes serious eye damage.
- H319 Causes serious eye irritation.

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(Contd. of page 10) H400 Very toxic to aquatic life. H410 Very toxic to aquatic life with long lasting effects. R10 Flammable. R20/22 Harmful by inhalation and if swallowed. R22 Harmful if swallowed. R36/38 Irritating to eyes and skin. R38 Irritating to skin. R41 Risk of serious damage to eyes. R43 May cause sensitisation by skin contact. R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. Abbreviations and acronyms: ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road) IMDG: International Maritime Code for Dangerous Goods DOT: US Department of Transportation IATA: International Air Transport Association GHS: Globally Harmonised System of Classification and Labelling of Chemicals ACGIH: American Conference of Governmental Industrial Hygienists EINECS: European Inventory of Existing Commercial Chemical Substances ELINCS: European List of Notified Chemical Substances CAS: Chemical Abstracts Service (division of the American Chemical Society) NFPA: National Fire Protection Association (USA) HMIS: Hazardous Materials Identification System (USA) WHMIS: Workplace Hazardous Materials Information System (Canada) VOC: Volatile Organic Compounds (USA, EU) DNEL: Derived No-Effect Level (REACH) PNEC: Predicted No-Effect Concentration (REACH) LC50: Lethal concentration, 50 percent LD50: Lethal dose, 50 percent Flam. Liq. 3: Flammable liquids, Hazard Category 3 Acute Tox. 4: Acute toxicity, Hazard Category 4 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 Skin Sens. 1: Sensitisation - Skin, Hazard Category 1 Aquatic Acute 1: Hazardous to the aquatic environment - AcuteHazard, Category 1 Aquatic Chronic 1: Hazardous to the aquatic environment - Chronic Hazard, Category 1 Aquatic Chronic 3: Hazardous to the aquatic environment - Chronic Hazard, Category 3 Sources SDS Prepared by: ChemTel Inc. 1305 North Florida Avenue Tampa, Florida USA 33602-2902 Toll Free North America 1-888-255-3924 Intl. +01 813-248-0573 Website: www.chemtelinc.com



POWER-O

Digester, Degreaser & Deodorizer

This powerful cleaner is not a soap nor a detergent, but a well balanced chemical compound. It is fully rust inhibited and is safe for cleaning all ferrous and non-ferrous metals. Its minimum foaming properties give free rinsing. Contains no carbon tetrachloride or other chlorinated solvents, no naphtha, no benzenes. It is most effective for dissolving heavy deposits of oxidized waxes and polymers, thick layers of down trodden greases, baked on deposits of carbon, soot, resins, gums, oils, dyes, and hard soap scum.



352010

PRODUCT INFORMATION:

- Fresh Orange Scent
- Multi-Purpose Cleaner
- Super Concentrated
- Biodegradable

pH	Alkaline
Form	Liquid
Fragrance	Fruit-like
Color	Orange
Packaged	4/1 gl Case

DIRECTIONS FOR USE:

Spray or mop it on - rinse it off. THAT'S HOW EASY IT CLEANS!

FOR KITCHEN CLEANING: Oven Cleaning use full strength; Deep Fat Fryers use full strength; Flues use full strength; Canopy and Ducts over oven use full strength; Greasy Floors and Wooden Mats dilute 1:4; Walls and Refrigerators dilute 1:128; and Lighting Fixtures dilute 1:128. FOR AIRPLANES, BUSES, AND TRUCKS: dilute 1:8; Aluminum Siding and Doors, Boats, Industrial Equipment for Lift Trucks, Trailers and Machinery dilute 1:8. **PRINTING PRESSES:** Presses and walls and floors around presses dilute 1:4; removes the most tenacious ink. For Pipes, Motor Shells, and Electric Motors, Ferrous and non-ferrous metals dilute 1:8; Acoustical ceilings and walls dilute 1:16. FOR **WAX STRIPPING AND RUBBER HEEL MARKS:** Asphalt Tile, Rubber Vinyl, Terrazzo and all other types of floors dilute 1:32. FOR HEAVY DEPOSITS: Allow dilution 1:8 to remain on floor for 5 minutes, agitate with steel wool or steel sponge. Rinse freely with warm water. FOR CLEANING FLOORS: Concrete, Ceramic Tile, Terrazzo, Magnesite, Oxychloride, Vinyl and Rubber dilute 1:64. FOR SCHOOLS: Gymnasiums dilute 1:4; Lockers dilute 1:64; Steel Files dilute 1:64; Shower and Swimming Pools use full strength. OTHER: Plastic dilute 1:16; Brick use full strength; Grills dilute 1:32; Air Conditioning Units dilute 1:32; Electric Fans and Motors dilute 1:16; White Wall Tires dilute 1:4; Air Filters use full strength. EQUIPMENT OF ALL KINDS: conveyors, engines, exhaust stains, machinery, metal stock and welding use full strength. FOR PAINTED WALLS, SKYLIGHTS AND CERAMIC SURFACES: Dilute 1:40 (never stronger) and RINSE IMMEDIATELY. DO NOT USE ON GLASS.

IMPORTANT SAFETY INFORMATION:



DANGER

May cause an allergic skin reaction. Causes serious eye damage.

Wear protective gloves, protective clothing, eye protection and face protection.

FIRST AID: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. IF ON SKIN: Wash with plenty of soap and water. If skin irritation occurs: Get medical attention. FOR INDUSTRIAL & INSTITUTIONAL USE

Chadwell> SUPPLY

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