

1. Identification

Product Identifier	Gorilla Orange Solv	
Other means of identification	PCS-6246	
Product code		
Recommended use	General purpose cleaner.	
Recommended restrictions	Professional use only. Use as directed	
Manufacturer information		
Company name	Professional Cleaning Supply	
Address – Tulsa	7925 E 40 th St Suite A Tulsa, OK 74145	
Address – Oklahoma City	4301 SW 21 st St. Oklahoma City, OK 73108	
Telephone (Tulsa)	(918) 250-9000	
Telephone (Oklahoma City)	(405) 681-1822	
Emergency phone number	PERS	(800) 633-8253
	24-hour Emergency	(800) 633-8253

2. Hazard(s) Identification

Physical hazards	Flammable liquids	Category 3
Health hazards	Skin irritation	Category 2
	Eye irritation	Category 2A
	Specific target organ toxicity (Single exposure) [Narcotic effects]	Category 3
	Aspiration hazard	Category 1
Environmental hazards	Hazardous to the Aquatic Environment - Acute	Category 2
OSHA defined hazards	None.	

Label elements



Signal word

DANGER

Hazard statement

Flammable liquid and vapor.
 Causes skin irritation.
 Causes eye irritation.
 Suspected of causing cancer.
 May cause drowsiness or dizziness.
 May cause damage to organs through prolonged or repeated exposure (Central Nervous System)
 May be fatal if swallowed and enters airways.

Precautionary statement

Prevention

Keep away from heat/sparks/open flames/ hot surfaces. No smoking. Keep container tightly closed. Ground/bond container and receiving equipment. Use explosion-proof electrical/ ventilating/ lighting/ equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Wear protective gloves/ eye protection/ face protection. Wash hands and exposed skin thoroughly after handling. Obtain special instruction before use.

Do not handle until all safety precautions have been read and understood. Avoid breathing dust/fume/gas/mist/vapors/spray. Use only outdoors or in a well-ventilated area. Do not eat, drink or smoke when using this product. Avoid release to the environment.

Response

IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. In case of fire: Use dry sand, dry chemical or alcohol-resistant foam for extinction. Specific treatment: see section 4 on the Safety Data Sheet. If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash it before reuse.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. IF exposed or concerned: Get medical advice/attention.
IF INHALED: Remove person to fresh air and keep comfortable breathing. Call a POISON CENTER/doctor/medical professional if you feel unwell.
IF SWALLOWED: Immediately call a POISON CENTER/doctor/medical professional. Do NOT induce vomiting.

Storage

Store in a well-ventilated place. Keep cool. Store locked up. Keep tightly closed.

Disposal

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

Hazard(s) not otherwise classified (HNOC)

None.

Supplemental information

Static accumulating flammable liquid can become electrostatically charged even in bonded and grounded equipment. Sparks may ignite liquid and vapor may cause flash fire or explosion.

3. Composition/information on ingredients

Mixture Component(s)			
Chemical name	CAS number	Purpose	%
Medium Aliphatic Solvent			
Naphtha	64742-88-7	Solvent	55-65%
d'Limonene	5989-27-5	Solvent	25-35%
Butoxyethanol	111-76-2	Solvent	1-5%
Surfactant	PROPRIETARY	Surfactant	1-5%
Nonoxynol	127087-87-0	Surfactant	1-5%
Water	7732-18-5	Solvent	1-5%
Glycol Ethers	PROPRIETARY	Stabilizer	<0.1%

4. First-aid measures

Inhalation

Move to fresh air. Keep victim at rest in a position comfortable for breathing. Call a physician if symptoms develop or persist.

Skin contact

Remove contaminated clothing immediately and wash skin with soap and water. In case of eczema or other skin disorders: Seek medical attention and take along these instructions.

Eye contact

Rinse with water for at least 15 minutes. Remove contact lenses if present and easy to do so. Get medical attention if irritation develops and persists.

Ingestion

Rinse mouth. Get medical attention if symptoms occur. Only induce vomiting at the instruction of medical personnel.

Most important symptoms/effects, acute and delayed

Dermatitis. Rash. May cause an allergic skin reaction or sensitization with repeat exposure. Harmful if inhaled. Can cause central nervous system (CNS) depression. May cause drowsiness and dizziness. Can cause central nervous system (CNS) depression. May be fatal if swallowed and enters airways. Irritating to mouth, throat and stomach.

Indication of immediate medical attention and special treatment needed

If inhaled, adverse symptoms may include the following: nausea or vomiting
Headache, drowsiness/fatigue, dizziness/vertigo or unconsciousness. Provide general support measures and treat symptomatically. Thermal burns: Flush with water immediately. While flushing, remove clothes which do not adhere to affected area. Call an ambulance. Continue flushing during transport to the hospital. Keep victim under observation. Symptoms may be delayed.

General information

Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Wash contaminated clothing before reuse.

5. Fire-fighting measures**Suitable extinguishing media**

Water fog. Foam. Carbon dioxide (CO₂). Dry chemical powder, sand, or earth may be used for small fires only.

Unsuitable extinguishing media

Do not use water jet as an extinguisher, as this will spread the fire.

Specific hazards arising from the chemical

Vapors may form explosive mixtures with air. Vapors may travel considerable distance to a source or ignition and flash back. This product is a poor conductor of electricity and can become electrostatically charged. If sufficient charge is accumulated, ignition of flammable mixtures can occur. To reduce potential for static discharge, use proper bonding and grounding procedures for transfer equipment. During fire, gases hazardous to health may be formed.

Special protective equipment and precautions for firefighters

Self-contained breathing apparatus and full protecting clothing must be worn in case of fire.

Fire-fighting equipment/instructions

In case of fire and/or explosion do not breathe fumes. Move containers from fire area if you can do so without risk.

Specific methods

Use standard firefighting procedures and consider the hazards of other involved materials.

General fire hazards

Flammable liquid and vapor.

6. Accidental release measures**Personal precautions, protective equipment and emergency procedures**

Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Keep out of low areas. Wear appropriate protective equipment and clothing during clean-up. Avoid inhalation of vapors or mists. Ensure adequate ventilation. Remove all sources of ignition. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.

Methods and materials for containment and cleaning up

Eliminate all ignition sources. Use only non-sparking tools. Take precautionary measures against static discharge. Keep combustibles and potential ignition sources away from spilled material.

Large spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Cover with plastic sheet to prevent spreading. Absorb in vermiculite, dry sand or earth and place into containers. Prevent entry into waterways, sewer, basements or confined areas. Following product recovery, flush area with water.

Small spills: Absorb with earth, sand, or other non-combustible material and transfer to container for later disposal. Clean surface thoroughly to remove residual contamination.

Never return spills to original container for re-use. For waste disposal, see section 13 of the SDS.

Environmental precautions

Avoid release to the open environment. Avoid discharge into surface waterways, sewers and other areas not consistent with package labeling.



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7. Handling and storage

Precautions for safe handling Do not handle, store or open near an open flame, sources of heat or sources of ignition. Do not smoke. Use explosion proof equipment and non-sparking tools. Take precautionary measures against static discharge. Avoid breathing mist or vapor. Avoid contact with eyes, skin, and clothing. Avoid prolonged exposure. Provide adequate ventilation. Wear appropriate personal protective equipment. Observe good industrial hygiene practices.

Conditions for safe storage, including any incompatibilities Keep away from heat, sparks and open flame. Ground/bond container and equipment. Store in original tightly closed container. Store away from incompatible materials (see section 10 of the SDS).

8. Exposure controls/personal protection

Occupational exposure limits
US ACGIH Threshold Limit Values

Components	Type	Agency	Value
d-limonene	8-hr Exposure	WEEL	20 ppm
Medium aliphatic naphtha	Z1 - PEL	OSHA	100 ppm
Medium aliphatic naphtha	8-HR TWA	ACGIH	100 ppm
2-Butoxyethanol	PEL	OSHA	50 ppm
2-Butoxyethanol	TWA	ACGIH	20 ppm
2-Butoxyethanol	REL	NIOSH	5 ppm

Biological limit values No information available.

Appropriate engineering controls Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits.

Individual protection measures, such as personal protective equipment

Eye/face protection Avoid contact with eyes. Wear safety glasses with side shields (or goggles).

Skin protection

Hand protection The use of gloves impervious to the specific material handled is advised to prevent skin contact. Users should check with manufacturers to confirm the breakthrough performance of their products. Suggested protective materials: Nitrile and PVC rubber.

Other Wear appropriate chemical resistant clothing. Use of a suitable chemically- impervious apron is recommended. Depending on exposure and use conditions, additional protection may be necessary to prevent skin contact including use of items such as chemical-resistant boots, aprons, arm covers, hoods and/or coveralls.

Respiratory protection In case of insufficient ventilation, wear suitable respiratory equipment as prescribed by Safety Management.

Thermal hazards Wear appropriate thermal protective clothing, when necessary. Use of this product in elevated temperature applications is not recommended. Increased temperatures accelerate release of volatile vapors that may be hazardous to health and safety.

General hygiene considerations When using do not smoke or use chewing tobacco. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. Contaminated work clothing should not be allowed out of the workplace.

9. Physical and chemical properties

Appearance

Physical State Liquid
Color Yellow/amber.



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Odor	Citrus – Petroleum distillate
Odor threshold	Not available.
pH	5 - 8
Melting/freezing point	20.5°F (-5.5°C) (estimated)
Initial boiling point and boiling range	204°F (99°C) (estimated)
Flash point	122.3°F (50.7 °C) (Formula-estimated)
Evaporation rate	Not available.
Flammability	Not available.
Flammability Limits	
Upper	0.9 % (Mathematical estimate)
Lower	5.2 % (Mathematical estimate)
Vapor pressure	0.066 kPa (0.6 mm Hg) (at 20°C) – OMS constituent estimate
Vapor density	Not available.
Specific gravity (water=1)	0.96
Solubility in water	Partial solubility (undefined for mixture).
Partition coefficient (n-octanol/water)	Not available.
Auto-ignition temperature	Not available.
Decomposition temperature	Not available.
Viscosity	Not available.

10. Stability and reactivity

Reactivity	This product is stable and non-reactive under normal conditions of use.
Chemical stability	Material is stable under normal conditions. Store in a cool dark place.
Possibility of hazardous reactions	Hazardous polymerization does not occur.
Conditions to avoid	Avoid heat, sparks, open flames and other ignition sources. Avoid temperatures exceeding the flash point. Contact with incompatible materials.
Incompatible materials	Oxidizing agents, strong acids.
Hazardous decomposition products	Carbon dioxide, carbon monoxide oxides of nitrogen.

11. Toxicological information

Information on likely routes of exposure

Ingestion	Expected to be low ingestion hazard. Do NOT induce vomiting.
Inhalation	Prolonged inhalation is harmful. Symptoms may include nausea or vomiting, headache, drowsiness/fatigue, dizziness/vertigo, and unconsciousness.
Skin contact	May cause mild skin irritation and redness.
Eye contact	Direct contact with eyes may cause temporary irritation.
Symptoms related to the physical, chemical and toxicological characteristics	Dermatitis. Rash.
Acute toxicity	Not established.

Product Gorilla Orange Solv (CAS mixture)		
Exposure Classification	Route and Species	LD ₅₀ /LC ₅₀
Acute	Oral, rat	>1,480 mg/kg (estimated)
Acute	Dermal, rabbit	>3,510 mg/kg 48-hour (Literature)
Acute	Inhalation, rat	>790 ppm 4-hour (estimated)

*Estimates for product may be based on additional component data not shown

Skin corrosion/irritation	Causes skin irritation.
Serious eye damage/ irritation	Causes severe eye irritation.
Respiratory sensitization	Not available.
Skin sensitization	Cause skin irritation. May cause an allergic skin reaction.
Germ cell mutagenicity	No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.
Carcinogenicity	Suspected of causing cancer. Risk of cancer depends on duration and level of exposure.
OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)	Not Listed.
Reproductive toxicity	This product is not expected to cause reproductive or developmental effects.
Specific target organ toxicity – single exposure	May cause drowsiness or dizziness.
Specific target organ toxicity – repeated exposure	May cause damage to organs through prolonged or repeated exposure (Central Nervous System)
Aspiration hazard	May be fatal if swallowed and enters airways.

12. Ecological information

Ecotoxicity		
Product	Gorilla Orange Solv (CAS mixture)	
Aquatic Receptor	Species	Test Thresholds
Crustacea	Daphnia magna	EC ₅₀ (4-8 hr.): >165 mg/L (estimated)
Fish	Rainbow trout (<i>Oncorhynchus mykiss</i>)	LC ₅₀ (96 -hr.): >910 mg/L (estimated)
Fish	Fathead Minnow (<i>Pimephales promelas</i>)	LC ₅₀ (96 -hr.): >92 mg/L (estimated)
*Estimates for product may be based on additional component data not shown		

Persistence and degradability	No data available. Alcohol ethoxylates and aliphatic terpenes are readily degradable in an open environment
Bioaccumulative potential	Potential to bio-accumulate is expected to be medium-high for lipophilic components of this product. The potential is linked to susceptibility or receptor species and the length of exposure to contaminants. Most of the volatile components can be expected to be rapidly modified or excreted in dynamic biological systems
Mobility in soil	No data available. This class of chemical mixture is expected to exhibit limited mobility in saturated and semi-saturated soils. Due to oleophilic nature of a primary component, some level of phase separation can be expected with the oleophilic recoverable as a LNAPL at the piezometric surface of the water table
Other adverse effects	No data available.

13. Disposal considerations

Disposal instructions	Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Dispose of contents/container in accordance with local/regional/national/international regulations.
Local disposal regulations	Dispose in accordance with all applicable regulations
Hazardous waste code	The waste code should be assigned in discussion between the user, the producer and the waste disposal company. As packaged, this product may meet criteria defining RCRA ignitable (D001) hazardous wastes when disposed. (40 CFR Part 261, Subpart C). Before selecting disposal method, ensure that the waste materials have been properly assessed and, as necessary, tested to confirm regulatory status and required handling and disposal restrictions.

Waste from residues/unused product Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner. (see: Disposal instructions).

Contaminated packaging Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may contain product residue, follow label warnings even after container is emptied.

14. Transport information

USDOT

UN number	UN1993
UN proper shipping name	Flammable liquids, n.o.s. (Contains: Petroleum distillates)
Transport hazard class(es)	
Class	3
Subsidiary risk	-
Packaging group	III

Special precautions for user	Read safety instructions, SDS, and emergency procedures before handling.
Marine pollutant	No

Special precautions for user

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	This product is not intended to be transported in bulk.
DOT Label/Placard Content	



15. Regulatory information

US federal regulations

SARA 302 Extremely hazardous substance Not listed.

SARA 304 Emergency release notification Not listed.

SARA 311/312 Hazard Categories

Immediate Hazard - Yes

Delayed Hazard – No

Fire Hazard – Yes

Pressure Hazard – No

Reactivity Hazard – No

SARA 313 (TRI reporting) USEPA Glycol ether category



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California Proposition 65

California Safe Drinking Water and Toxic Enforcement Act of 1986

This product is not known to contain any chemicals currently listed as carcinogens or reproductive toxins under California Proposition 65 at levels which would be subject to threshold determination and Safe Harbor notification (1/2019)

16. Other information, including date of preparation or last revision

Issue date 11/27/2019
 Revision date 12/2/2020
 Version # 2
 HMIS® ratings Health: 2
 Flammability: 2
 Physical hazard: 0

HEALTH	2
FLAMMABILITY	2
REACTIVITY	0
PERSONAL PROTECTION	<input type="checkbox"/>

NFPA ratings Health: 2
 Flammability: 2
 Instability: 0



Disclaimer The information provided in this Safety Data Sheet is correct to the best of our knowledge, and have been obtained from resources believed to be reliable. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal, and release and is not to be considered a warranty or quality specification. The information related only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified by the text.

Revision information Updated composition and HMIS/NFPA ratings in accordance with industry standards.