



Petra Automotive Products, Inc.

Safety Data Sheet

1. Identification

Product name: Universal Cooling System Cleaner
Product code: 4001
Recommended use: Automotive maintenance product; Radiator/cooling system cleaner
Restrictions on use: None known
Manufacturer: Petra Automotive Products, Inc.
11085 Regency Green Dr.
Cypress, TX 77429
T (713) 856-5700
www.petraautoproducs.com
Emergency number: (Chemical Spills, Leaks, Fire, Exposure or Accident only):
CHEMTREC 1-800-424-9300 (in the US), 1-703-527-3887 (Outside the US)
Issue date: 09/02/2022

2. Hazard(s) identification

Classification:

Physical hazards	Health hazards	Environmental hazards
Not classified	Skin corrosion/irritation Category 2 Serious eye damage Category 1	Not classified

GHS US labeling:

Danger!



Hazard statements (GHS US)	Precautionary statements (GHS US)
H315 - Causes skin irritation H318 - Causes serious eye damage	P264 - Wash hands thoroughly after handling. P280 - Wear eye protection, protective gloves. 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. P302+P352 - If on skin: Wash with plenty of soap and water. P332+P313 - If skin irritation occurs: Get medical advice/attention. P362+P364 - Take off contaminated clothing and wash it before reuse.

3: Composition/Information on ingredients

Component	CAS-No.	Amount (%)
Nonylphenol polyethylene glycol ether	127087-87-0	1-10
Sodium xylenesulfonate	1300-72-7	1-5
Disodium metasilicate	6834-92-0	<2
Tetrapotassium pyrophosphate	7320-34-5	<2

*Chemical name, CAS number and/or exact concentration have been withheld as a trade secret

4. First-aid measures

Inhalation: Move the affected person to fresh air. Get medical attention if symptoms occur.

Skin: Wash skin with plenty of water. If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash it before reuse.

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/physician.

Ingestion: Call a poison center or a doctor if you feel unwell.

Symptoms/effects: May cause irritation to skin. Causes serious eye damage.

Immediate medical attention and special treatment, if necessary: Immediate medical attention is required for eye contact.

5. Fire-fighting measures

Suitable extinguishing media: Use extinguishing media appropriate for surrounding fire.

Unsuitable extinguishing media: None.

Fire hazard: This product is not classified as flammable or combustible.

Special protective equipment and precautions for fire-fighters: Use water spray or fog for cooling exposed containers. Prevent runoff from entering water courses, sewers and basements. Use self-contained breathing apparatus and chemically protective clothing. Do not enter fire area without proper protective equipment, including respiratory protection.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures: Avoid contact with eyes, skin and clothing. Wear suitable protective clothing.

Methods and material for containment and cleaning up: Do not touch or walk on the spilled product. Take up liquid spill into absorbent material. Notify authorities if product enters sewers or public waters. Place in a suitable container for disposal in accordance with the waste regulations (see Section 13).

7. Handling and storage

Precautions for safe handling: Avoid contact with eyes, skin and clothing. Wash hands with water and soap. Wear personal protective equipment. Avoid breathing mist, vapors. Ensure adequate ventilation.

Storage conditions: Store in dry, cool, well-ventilated area. Keep away from heat and direct sunlight.

8. Exposure controls/personal protection**Exposure guidelines:**

Disodium metasilicate	None established.
Nonylphenol polyethylene glycol ether	None established.
Sodium xylenesulfonate	None established.
Tetrapotassium pyrophosphate	None established.

Appropriate engineering controls: Provide local exhaust or general room ventilation to minimize mist and/or vapor concentrations.

Environmental exposure controls: Avoid release to the environment.

Personal protective equipment:

Hand protection: Wear impervious gloves. Consult supplier for specific recommendations.

Eye protection: Wear safety goggles or other eye protection to prevent eye contact.

Skin and body protection: Wear suitable protective clothing

Respiratory protection: In operations where exposure limits are exceeded or exposure levels are excessive, an approved respirator should be used. Respirator selection and use should be based on contaminant type, form and concentration. Follow applicable regulations and good Industrial Hygiene practice.

9. Physical and chemical properties

Physical state	: Liquid	Relative density	: 1.02 g/ml
Color	: Clear	Solubility	: Soluble in water.
Odor	: No data available	Partition coefficient n-octanol/water (Log Pow)	: No data available
Odor threshold	: No data available	Auto-ignition temperature	: No data available
pH	: 10.9	Decomposition temperature	: No data available
Melting point	: n/a (liquid)	Viscosity, kinematic	: No data available
Freezing point	: <0°C (32°F)	Viscosity, dynamic	: No data available
Boiling point	: >100°C (212°F)	Explosion limits	: No data available
Flash point	: n/a (aqueous)	Explosive properties	: None.
Relative evaporation rate (butyl acetate=1)	: No data available	Oxidizing properties	: None.
Flammability	: Not applicable.		
Vapor pressure	: No data available		
Relative vapor density at 20 °C	: No data available		

No additional information available

10. Stability and reactivity

Reactivity: The product is non-reactive under normal conditions of use, storage and transport.

Chemical stability: Stable under normal conditions.

Possibility of hazardous reactions: No dangerous reactions known under normal conditions of use.

Conditions to avoid: Direct sunlight. Extremely high or low temperatures.

Incompatible materials : Strong acids. Strong bases.

Hazardous decomposition products: Under normal conditions of storage and use, hazardous decomposition products should not be produced.

11. Toxicological information

Inhalation: May cause minor irritation to the respiratory tract and to other mucous membranes.

Skin: May cause moderate irritation.

Eyes: Causes serious eye damage.

Ingestion: May cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Chronic symptoms: None known.

Carcinogenicity: Not classified

Disodium metasilicate: This component is not listed as a carcinogen or suspected carcinogen by IARC, NTP, ACGIH, OSHA or the EU CLP.

Nonylphenol polyethylene glycol ether: This component is not listed as a carcinogen or suspected carcinogen by IARC, NTP, ACGIH, OSHA or the EU CLP.

Sodium xylenesulfonate: This component is not listed as a carcinogen or suspected carcinogen by IARC, NTP, ACGIH, OSHA or the EU CLP.

Tetrapotassium pyrophosphate: This component is not listed as a carcinogen or suspected carcinogen by IARC, NTP, ACGIH, OSHA or the EU CLP.

Germ cell mutagenicity: Not classified

Reproductive toxicity: Not classified

Acute toxicity (oral) : Not classified

Acute toxicity (dermal) : Not classified

Acute toxicity (inhalation) : Not classified

Numerical measures of toxicity:

The following are the toxicity values for the components:

Disodium metasilicate LD50 oral rat 1152-1349 mg/kg; LD50 dermal rat >5000 mg/kg; LC50 Inhalation - Rat (Dust/Mist) > 2.06 mg/l/4h

Nonylphenol polyethylene glycol ether LD50 oral; 1602 mg/kg LD50 dermal rat 5000 mg/kg; LC50 Inhalation - Rat; mg/l Min: 0.52 Max: 1.03 (Dust/Mist)

Sodium xylenesulfonate LD50 oral rat 1000 mg/kg; LD50 dermal rabbit > 2000 mg/kg

Tetrapotassium pyrophosphate LD50 oral rat 2440 mg/kg; LD50 dermal rabbit > 2000 mg/kg; LC50 Inhalation - Rat; > 1.1 mg/l/4h

Skin corrosion/irritation Causes skin irritation.

Serious eye damage/irritation Causes serious eye damage.

Respiratory or skin sensitization Not classified

STOT-single exposure Not classified

STOT-repeated exposure Not classified

Aspiration hazard Not classified

12. Ecological information

Ecology - general: Not classified.

Ecotoxicity:

Disodium metasilicate LC50 - Fish 210 mg/l Brachydanio rerio (zebra-fish); ErC50 algae Scenedesmus subspicatus; 1700 mg/l ; EC50 - Crustacea Daphnia magna (Water flea) 207 mg/l

Nonylphenol polyethylene glycol ether LC50 - Fish 84.7 mg/l; EC50 – Crustacea Daphnia magna 14 mg/l; EC50 72h - Algae 12 mg/L96h

Tetrapotassium pyrophosphate LC50 Oncorhynchus mykiss (Rainbow trout) > 100 mg/l ; EC50 Daphnia magna > 100 mg/l ; EC50 72h - Algae > 100 mg/l

Persistence and degradability:

Disodium metasilicate: Biodegradation is not applicable to inorganic compounds.

Tetrapotassium pyrophosphate: Biodegradation is not applicable to inorganic compounds.

Bioaccumulative potential: No data available

Mobility in soil: No data available

Other adverse effects:

No data available

13. Disposal considerations

Regional legislation (waste): Dispose of in accordance with applicable federal, state, and local regulations.

14. Transport information

Department of Transportation (DOT)

Not regulated for transport

Transport by sea

Not regulated for transport

Air transport

Not regulated for transport

15. Regulatory information

SARA Section 313 - Emission

Reporting:

Chemical(s) subject to the reporting requirements of Section 313 or Title III of the Superfund Amendments and Reauthorization Act (SARA) of 1986 and 40 CFR Part 372.

Nonylphenol polyethylene glycol ether	127087-87-0	1-10%
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CERCLA Section 103:

This product is not subject to reporting under CERCLA. However, many states have more stringent reporting requirements. Report all spills in accordance with local, state, and federal regulations.

SARA 302:

Not applicable

SARA Section 311/312 Hazard Classes: Refer to Section 2 for OSHA Hazard Classification.

California Proposition 65:**WARNING:**

This product can expose you to Ethylbenzene, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

TSCA: All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory.

16. Other information

Issue date : 09/02/2022

NOTICE

This above information is believed to be correct but does not propose to be all inclusive and shall be used only as a guide. The company listed in Section 1 shall not be held liable for any damage resulting from handling or from contact with the above product. This information relates only to the product designated herein and does not relate to its use in combination with any other material or process.