

Safety Data Sheet

According to Regulation (EC) No 1907/2006 (REACH)

Trade name: New Tank Degreaser

Product. No: KR006

Specification No: OTFG

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Section 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product Identifier

1.1.1 Trade name/designation:

New Tank Degreaser

1.2 Relevant identified uses of the substance or mixture and uses advised against

1.2.1 Relevant identified uses:

KREEM's New Tank Cleaner is designed to remove the protective oil film that is present on most aftermarket, new M/C gas tanks.

1.2.2 Uses advised against:

All others not listed above.

1.3 Details of the supplier

1.3.1 Supplier:

KREEM

1.3.2 Information contact

KREEM Products

P.O. Box 399

Somis, California

93066 USA

1.3.3 National contact

(805)386-4470

1.4 Emergency Telephone Number

CHEMTREC, Transportation (800)424-9300

Section 2: Hazards identification

2.1 Classification of the substance or mixture:

2.1.1 Classification according to Regulation (EC) No 1272/2008 [CLP/GHS]

Class 3A: Flammable liquid materials (FLP below 55°C)

2.1.2 Classification according to 67/548/EEC or 1999/45/EC

F: Highly Flammable

N: Dangerous for the Environment

Xn: Harmful

2.2 Label elements

2.2.1 Labeling according to Regulation (EC) No 1272/2008

Product identifier:

New Tank Degreaser

Hazard pictograms:

CLP:



F: Flammable



Xn: Harmful



N: Dangerous
For the
Environment

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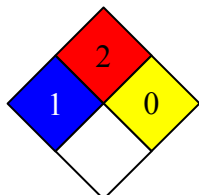
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NFPA



Signal word:

WARNING

Hazard statements:

H226: Flammable liquid and vapor

H302: Harmful if swallowed

H315: Causes skin irritation

H320: Causes eye irritation

H335: May cause respiratory irritation

Precautionary statements:

P101: If medical advice is needed, have product container or label at hand

P102: Keep out of reach of children

P210: Keep away from heat/sparks/open flames/hot surfaces – No smoking

P270: Do not eat, drink or smoke when using this product

2.3 Other hazards

Adverse human health effects and symptoms:

Eyes: May cause eye irritation by direct contact or from fumes.

Skin: Prolonged contact may lead to irritation and dermatitis.

Inhalation: May cause respiratory tract irritation.

Ingestion: Harmful if swallowed in concentrated form.

Section 3: Composition/information on ingredients

3.1 Description of the mixture:

CAS No	EC No	INDEX No	REACH No	% [weight]	Name	Classification according to 67/548/EEC
80-56-8	201-291-9			*	Alpha-Pinene	Xn; R10, R38, R43, R65; S24, S37, S62
3387-41-5	222-212-4			*	Sabinene	F; R10; S16, S23, S24/25
123-35-3	204-622-5			*	Myrcene	Xn; R10, R38, R65; S37, S62
5989-27-5	227-813-5			*	D-Limonene	Xn, N; R10, R38, R43, R50/53, R65; S24, S37, S60, S61, S62
99-85-4	202-794-6			*	Gama-Terpinene	Xi; R10, R36/37/38; S26, S36
124-13-0	204-683-8			*	Octanal	Xi, N; R10, R36/38, R52/53; S24, S25, S26, S35, S37, S43, S61
112-31-2	203-957-4			*	Decanal	Xi; R36/37/38, S26, S36
78-70-6	201-134-4			*	Linalool	Xi; R38; S37

An Asterisk (*) denotes that the value is a trade secret.

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Section 4: First Aid Measures

- 4.1 Description of first aid measures
- 4.1.1 Eye contact:
Flush eyes with water for at least 15 minutes. If irritation persists, contact a doctor.
- 4.1.2 Inhalation:
Remove to fresh air. Seek medical attention if necessary.
- 4.1.3 Skin contact:
Wash skin with soap and plenty of water. Remove contaminated clothing and wash before wearing again.
- 4.1.4 Ingestion:
If swallowed, drink milk or water and contact a doctor immediately.
- 4.1.5 Self-protection of the first aider:
If artificial respiration is required use a pocket mask equipped with a two-way valve or other approved respiratory aid.

Section 5: Firefighting measures

- 5.1 Extinguishing media:
- 5.1.1 Suitable extinguishing media:
Extinguisher for Class "B" Fires: Foam, CO₂, or Dry Compound.
- 5.1.2 Unsuitable extinguishing media:
Avoid direct contact with Water.
- 5.2 Special hazards arising from the substance or mixture
- 5.2.1 Hazardous combustion products:
Product may produce dense black smoke. Stay upwind of the fire.
- 5.3 Advice for fire-fighters:
Use water spray to keep uninvolved containers cool and prevent the spread of the fire.
- 5.4 Additional information:
Closed containers may build up pressure at elevated temperatures. If possible, containers should be cooled with a water spray.

Section 6: Accidental release measures

- 6.1 Personal precautions, protective equipment and emergency procedures
- 6.1.1 For non-emergency personnel
Protective equipment:
Chemical resistant gloves
- 6.1.2 For emergency responders
Personal protective equipment:
Chemical splash goggles or face shield, Chemical Gloves, Chemically resistant apron and boots for spills, Air supplied mask if used in airtight spaces.
- 6.2 Environmental precautions:
Do not allow liquid to enter municipal sewage system.
- 6.3 Methods and material for containment and cleaning up
- 6.3.1 For containment:
Small Spills: Cover with a non-combustible material
Large Spills: Avoid sources of ignition. Contain spilled material. Cover with a non-combustible material.

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6.3.2 For cleaning up:

Small Spills: Remove to an approved disposal containers. Wash area with soap and water.

Large Spills: Remove to an approved metal disposal containers. Avoid inhalation of vapors. If in a confined area, NIOSH approved respiratory protection may be required. Wash area with soap and water.

Section 7: Handling and storage

Precautions for safe handling

7.1.1 Protective measures:

7.1.1.1 Environmental precautions:

Prevent from entering municipal sewage system, ground water, or streams.

7.1.2 Advice on general occupational hygiene

Wash hands after handling and before eating, drinking, or using the toilet. Do not eat, drink, or smoke while using this product.

7.2 Conditions for safe storage, including any incompatibilities

Store in a cool, well ventilated place away from reactive chemicals, spark sources, or open flames. The container should be kept closed and plainly labeled.

Technical measures and storage conditions:

Store in tightly sealed containers in a cool dry place that is well ventilated.

Storage class:

Class 3A: Flammable liquid materials (FLP below 55°C)

Section 8: Exposure controls/personal protection

8.1 Control parameters

8.1.1 Occupational exposure limits:

Limit value type (country of origin)	Substance name	EC-No.	CAS-No	Limit value	Monitoring and observation processes
TWA (USA)	D-Limonene	227-813-5	5989-27-5	30 ppm	

8.2 Exposure controls

8.2.1 Appropriate engineering controls:

Local Exhaust: Face velocity > 60PPM in confined space.

Special: Not Required

Mechanical: Explosion-proof motors in fans.

Other: No open flames, smoking or unshielded lights.

Eye wash station and safety shower should be easily accessible.

8.2.2 Personal protective equipment:

8.2.2.1 Eye/Face protection:

Chemical safety goggles recommended.

8.2.2.2 Skin protection:

Chemically resistant gloves recommended.

8.2.2.3 Respiratory protection:

If well ventilated areas, Respiratory protection is not normally required. In poorly ventilated areas use NIOSH respirator.

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Section 9: Physical and Chemical Properties

9.1 Information on basic physical and chemical properties

9.1.1 Appearance

Physical state: Liquid Color: Light yellow to colorless Odor: Citrus-like odor Odor threshold:

9.1.2 Safety relevant basic data

pH (20 °C): No Data

Melting point/range (°C): No Data

Initial boiling point/range (°C): 175-176.11

Decomposition temperature (°C): No Data

Flash point (°C): 46.11

Ignition temperature (°C): No Data

Vapor pressure (hPa): 1.98 mmHg @ 25°C

Vapor density (air = 1): 4.69

Density (g/cm³): 0.8397

Bulk density (kg/m³): No Data

Water solubility (20°C in g/l): Insoluble

Solubility (ies): No Data

Partition coefficient: No Data

N-Octanol/Water (log Po/w): No Data

Viscosity, dynamic (mPa s): No Data

9.1.3 Physical hazards:

Flammable liquids

9.2 Other safety information:

Properties of explosive atmospheres (mixtures):

Gases and vapors: No Data

Dusts: No Data

Physical chemical properties of nanoparticles: No Data

Limiting oxygen concentration: No Data

Bulk density: No Data

Solubility in different media: No Data

Stability in organic solvents and identity of relevant degradation products: No Data

Evaporation rate: No Data

Conductivity: No Data

Surface tension: No Data

Dissociation constant in water (pKa): No Data

Oxidation-reduction Potential: No Data

Fat solubility (solvent – oil to be specified): No Data

Critical temperature: No Data

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Section 10: Stability and reactivity

- 10.1 Reactivity:
Not Reactive
- 10.2 Chemical stability:
Stable
- 10.3 Possibility of hazardous reactions
Hazardous polymerization will not occur.
- 10.4 Conditions to avoid:
Avoid heat, sparks and open flames.
- 10.5 Incompatible materials:
Avoid contact with strong alkalies and oxidizing agents.
- 10.6 Hazardous decomposition products:
Burning can produce carbon dioxide and/or carbon monoxide, toxic fumes and gases.

Section 11: Toxicological Information

11.1 Information on toxicological effects:

	Effect dose / Concentration	Species	Method	Time
Acute oral toxicity	5600 mg/kg	Mouse	LD50	
Acute dermal toxicity	>5000 mg/kg	Rabbit	LD50	

- 11.2 Other information:
- 11.2.1 In case of ingestion:
May cause eye irritation by direct contact or from fumes.
- 11.2.3 In case of skin contact:
Prolonged contact may lead to irritation and dermatitis.
- 11.2.4 In case of inhalation:
May cause respiratory tract irritation.
- 11.2.5 In case of eye contact:
Harmful if swallowed in concentrated form.

Section 12: Ecological information

- 12.1 Toxicity:
Aquatic toxicity
- 12.1.1 Substances
Acute (short-term) toxicity

Effect dose	Exposure time	Species	Method	Evaluation	Remark
720 µg/L	96 hours	Pimephales promelas	LC50		
0.85 mg/L	24 hours	Daphnia magna	EC50		
50 mg/L	72 hours	Desmodesmus subspicatus	EC50		

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Section 13: Disposal considerations

13.1 Waste treatment methods

13.1.1 Product/packaging disposal:

Dispose of in accordance with Local, National and Federal regulations

13.1.2 Waste codes/waste designations according to EWC/AVV:

16 07 99

Section 14: Transport Information

14.1 Land transport (CFR 49: DOT)

UN-No: UN2319

Proper shipping name: Terpene Hydrocarbons, n.o.s. (containing D-Limonene)

Class(es): 3

Packing group: III

Hazard label(s): 3

Special provision(s): B1, IB3, T4, TP1, TP29, 150

14.2 Land transport (ADR/RID/GGVSE):

UN-No: UN2319

Proper shipping name: Terpene Hydrocarbons, n.o.s. (containing D-Limonene)

Class(es): 3

Classification Code: F1

Packing group: III

Hazard label(s): 3

Special provision(s): -

14.3 Sea transport (IMDG-Code/GGVSee):

UN No: UN2319

Proper shipping name: Terpene Hydrocarbons, n.o.s. (containing D-Limonene)

Class(es): 3

Packing group: III

Marine Pollutant: Yes

Special provision(s): -

14.4 Air transport (ICAO-IATA/DGR):

UN No: UN2319

Proper shipping name: Terpene hydrocarbons, n.o.s. (containing D-Limonene)

Class(es): 3

Packing group: III

Special provision(s): -

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Section 15: Regulatory Information

15.1 Safety, health and environmental regulations/legislation specific for the mixture

The components of this product are listed on the following inventories:

USA (TSCA)

Korea (KECL)

Canada (DSL)

Philippines (PICCS)

Europe (EINECS/ELINCS/Polymer/NLP)

Japan (ENCS)

Australia (AICS)

15.1.1 National regulations(European Union):

EU Classification: F; Xn; N

EU Risk Statements: R10, R38, R43, R50/53, R65;

EU Safety Statements: S24, S37, S60, S61, S62

15.1.2 National regulations(United States):

The United States FDA lists d-limonene as GRAS in 21 CFR sections 182.20 and 182.6.

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 the proposition.

SARA Title III (Section 313)

The substance contains no materials subject to the reporting requirements of SARA Title III (Section 313).

Section 16: Other Information

16.1 Relevant R-, H- and EUH-phrases (number and full text):

F: Highly flammable

N: Dangerous for the environment

Xi: Irritant

Xn: Harmful

R10: Flammable

R36/37/38: Irritating to eyes, respiratory system and skin

R36/38: Irritating to eyes and skin

R38: Irritating to skin

R43: May cause sensitization by skin contact

R50/53: Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment

R52/53: Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment

R65: Harmful: may cause lung damage if swallowed

S16: Keep away from sources of ignition - No smoking

S23: Do not breathe fumes

S24: Avoid contact with skin

S24/25: Avoid contact with skin and eyes

S25: Avoid contact with eyes

S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice

S35: This material and its container must be disposed of in a safe way

S36: Wear suitable protective clothing

S37: Wear suitable gloves

S43: In case of fire, use CO2, Foam, or Dry Compound. Avoid using water.

S60: This material and its container must be disposed of as hazardous waste

S61: Avoid release to the environment. Refer to special instructions/safety data sheets

S62: If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label

16.2 Further information:

The information contained herein is furnished without warranty of any kind. Employers should use this information only as a supplement to other information gathered by them and must make independent determinations of suitability and completeness of information from all sources to assure proper use of these materials and the safety and health of employees.