



This item was discontinued prior to GHS implementation.
A GHS Safety Data Sheet is not available for this item.

Material Safety Data Sheet

Revision Date 24-Jun-2013

1. CHEMICAL PRODUCT AND COMPANY INFORMATION

Product code 19905
Product name Engine Degreaser
Recommended Use Degreaser
Supplier Lawson Products, Inc.
8770 W.Bryn Mawr Ave.- Suite 900
Chicago, IL 60631
1-866-529-7664
Emergency telephone number (888) 426-4851

2. HAZARDS IDENTIFICATION

Emergency Overview
Flammable. Irritant.

Aggravated Medical Conditions
None Known

Principal Routes of Exposure
Eyes. Skin contact. Inhalation. Ingestion. Skin absorption.

Potential health effects

Eyes Contact with eyes may cause irritation. Frostbite. Chemical burns.

Skin May cause the following effects: . Skin Irritation. Dermatitis. Repeated or prolonged exposure may cause:. Redness. Frostbite. Possible burns to tissue.

Inhalation May cause the following effects. Shortness of breath. Dizziness. Light headedness. Extreme overexposure may cause. Liver damage. Kidney damage. Possible asphyxiation. Misuse by deliberately concentrating vapors and inhaling contents can be harmful or fatal.

Ingestion May be harmful if swallowed. Gastrointestinal irritation. Aspiration hazard. May cause severe lung damage if aspirated into the lungs from ingestion or vomiting.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	CAS-No	Weight %
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Petroleum distillates, hydrotreated light	64742-47-8	42-47
Naphtha (petroleum), heavy aromatic	64742-94-5	42-47
Butane	106-97-8	7-12
Propane	74-98-6	4-9
Dodecylbenzenesulfonic Acid	26264-05-1	3-8

4. FIRST AID MEASURES

Eye contact Rinse immediately with plenty of water, also under the eyelids, for at least 20 minutes. Seek medical attention.

Skin contact Wash area thoroughly with soap and water.

Ingestion If a large quantity of liquid is swallowed, do NOT induce vomiting. Drink 1 or 2 glasses of water. Never give anything by mouth to an unconscious person. Seek medical attention.

Inhalation Remove to fresh air. Provide oxygen if breathing is difficult. If not breathing, give artificial respiration. Keep warm and quiet. Seek medical attention.

5. FIRE FIGHTING MEASURES

Flash point °C -104
Flash point °F -156
Method No information available

Autoignition temperature °C No data available
Autoignition temperature °F No data available

Flammability Limits (% in Air)
Upper 9.5%
Lower 1.8%

Suitable extinguishing media
Water fog. Carbon dioxide (CO2). Dry chemical powder. Foam. Alcohol foam.

Special protective equipment for firefighters
As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

Fire and Explosion Hazards

Flammable . Evacuate area of unprotected and unnecessary personnel. Material is highly volatile and readily gives off vapors. Vapors are heavier than air and may travel along the ground to an ignition source distant from material handling area. Possible ignition sources include pilot lights, flames, lighted cigarettes, heating elements, electric motors, sparks from electrical switches. Water should be used to cool closed containers to prevent pressure build-up and possible autoignition or explosion when exposed to extreme heat .

Sensitivity to shock

No information available.

Sensitivity to static discharge

No information available.

6. ACCIDENTAL RELEASE MEASURES**Methods for cleaning up**

Shut off source of leak if safe to do so. Evacuate area of unprotected and unnecessary personnel. Ventilate area to maintain exposure below permissible exposure limits. Dike or dam large spills. Soak up excess with absorbent material. Dispose of absorbent in accordance with local, state and federal regulations. Do not allow product to reach sewage system, soil, surface or ground water, or any water course. Notify proper authorities if entry occurs.

7. HANDLING AND STORAGE**Handling**

Keep container closed when not in use.

Storage

Keep container tightly closed. Keep away from direct sunlight. Keep away from open flames, hot surfaces and sources of ignition. Store in temperatures below 120 degrees F (50 degrees C) . Containers exposed to extreme heat may burst.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Chemical Name	OSHA PEL (TWA)	OSHA PEL (Ceiling)	ACGIH OEL (TWA)	ACGIH OEL (STEL)
Dodecylbenzenesulfonic Acid	-	-	-	-
Naphtha (petroleum), heavy aromatic	-	-	-	-
Petroleum distillates, hydrotreated light	-	-	-	-
Butane	800 ppm	-	-	1000 ppm
Propane	1000 ppm 1800 mg/m ³	-	1000 ppm	-

Ventilation and Environmental Controls

Use enough ventilation, local exhaust at the work area, general, or both, to keep below the TLV's in the worker's breathing zone and the general area. If current ventilation practices are not adequate in maintaining airborne concentrations below the established exposure limits, additional ventilation or exhaust systems may be required. Use with adequate explosion-proof ventilation to meet the limits in Section 8 .

Hygiene measures

Remove and wash contaminated clothing before re-use.

Other precautions

Use personal protective equipment.

Respiratory protection

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Hand Protection

Gloves are recommended to prevent prolonged or repeated contact. Protective gloves.

Eye protection

Safety glasses with side-shields.

Skin and body protection

None necessary under normal conditions

9. PHYSICAL AND CHEMICAL PROPERTIES

Form	Aerosol
Color	Clear
Odor	Solvent
Odor Threshold	No information available
pH	Not Applicable
Specific Gravity	No data available
Vapor pressure	No data available
Vapor density	No data available
Evaporation Rate	<1 (ether = 1)
Water solubility	No data available
VOC Content	12.01% by weight
Partition Coefficient (n-octanol/water)	No data available
Boiling point/range °C	No data available
Boiling point/range °F	No data available
Melting point/range °C	No data available
Melting point/range °F	No data available
Flash point °C	-104
Flash point °F	-156

10. STABILITY AND REACTIVITY**Stability**

Stable under normal conditions.

Conditions to avoid

Heat, flames and sparks.

Incompatibility

Strong oxidizing agents.

Product code **19905**Product name **Engine
Degreaser****Hazardous Decomposition Products**

Carbon dioxide. Carbon monoxide.

Polymerization

Will not occur.

11. TOXICOLOGICAL INFORMATION**Component Information**

Chemical Name	LD50 (oral, rat)	LD50 (dermal, rat/rabbit)	LC50 (inhalation, rat)
Dodecylbenzenesulfonic Acid 26264-05-1	-	-	-
Naphtha (petroleum), heavy aromatic 64742-94-5	5000 mg/kg	2 mL/kg	590 mg/m ³
Petroleum distillates, hydrotreated light 64742-47-8	5000 mg/kg	2000 mg/kg	5.2 mg/L
Butane 106-97-8	-	-	658 g/m ³
Propane 74-98-6	-	-	658 mg/L

Synergistic Products None known**Potential health effects****Sensitization** None known**Chronic toxicity** None known**Mutagenic effects** None known**Teratogenic effects** None known**Reproductive toxicity** None known**Target Organ Effects** Kidney. Liver. Central nervous system.**Carcinogenic effects** See Table Below.

Chemical Name	ACGIH OEL - Carcinogens	IARC	NTP - Known Carcinogens	NTP - Suspected Human Carcinogens	OSHA RTK Carcinogens
Dodecylbenzenesulfonic Acid	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed
Naphtha (petroleum), heavy aromatic	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed

Petroleum distillates, hydrotreated light	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed
Butane	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed
Propane	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed

12. ECOLOGICAL INFORMATION

Petroleum distillates, hydrotreated light

Water Flea Data*Den-dronereides heteropoda* LC50=4720 mg/L (96 h)

Naphtha (petroleum), heavy aromatic

Water Flea Data*Daphnia magna* EC50=0.95 mg/L (48 h)**13. DISPOSAL CONSIDERATIONS****Disposal Information**

Full or partially full containers are considered hazardous waste. Dispose in accordance with federal, state, and local regulations.

14. TRANSPORTATION INFORMATION**DOT**

Consumer commodity, ORM-D.

TDG

Consumer commodity, ORM-D.

15. REGULATORY INFORMATION**State Regulations**

Chemical Name	New Jersey - RTK	Pennsylvania - RTK	California Prop. 65
Dodecylbenzenesulfonic Acid	Not Listed	Not Listed	Not Listed
Naphtha (petroleum), heavy aromatic	Not Listed	Not Listed	Not Listed
Petroleum distillates, hydrotreated light	Not Listed	Not Listed	Not Listed
Butane	Listed	Listed	Not Listed
Propane	Listed	Listed	Not Listed

International Inventories

Chemical Name	EINECS	DSL	NDSL	TSCA
Dodecylbenzenesulfonic Acid	X	X	-	X
Naphtha (petroleum), heavy aromatic	X	X	-	X
Petroleum distillates, hydrotreated light	X	X	-	X

Product code **19905**

Product name **Engine
Degreaser**

Chemical Name	EINECS	DSL	NDSL	TSCA
Butane	X	X	-	X
Propane	X	X	-	X

CPR

This product has been classified in accordance with the hazard criteria of the Controlled Product Regulations and the MSDS contains all of the information required by the Controlled Product Regulations.

16. OTHER INFORMATION

NFPA

Health - 1
Flammability - 4
Reactivity - 0

HMIS

Health - 1
Flammability - 4
Physical Hazard - 0

Prepared By

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Engineer

The information accumulated herein is believed to be accurate, but is not warranted to be, whether originating with the company or not. Recipients are advised to confirm in advance of need that the information is current, applicable, and suitable to their circumstances.