

Material Safety Data Sheet

Revision Date 07-May-2014

1. CHEMICAL PRODUCT AND COMPANY INFORMATION

Product code DA6172
Product name Repell
Recommended Use Lubricant

Supplier Drummond, A Lawson Brand
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

May be harmful if inhaled. May be harmful if swallowed. Irritant. Suspect Cancer Hazard. Contents under pressure.

Aggravated Medical Conditions

Pre-existing skin conditions may be aggravated by exposure to this product. Pre-existing kidney and/or liver disorders may be aggravated by exposure to this product.

Principal Routes of Exposure

Eyes. Skin. Inhalation.

Potential health effects

Eyes Contact with eyes may cause irritation. Extreme overexposure may cause. Itching. Redness. Burning sensation.

Skin Repeated or prolonged exposure may cause:. Skin Irritation. Redness. Burning sensation. Itching.

Inhalation Chronic overexposure can cause: . Respiratory irritation. Headaches. Nausea. Dizziness.

Ingestion May be harmful if swallowed.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	CAS-No	Weight %
Tetrachloroethylene	127-18-4	60-100
Petroleum distillates, hydrotreated heavy naphthenic	64742-52-5	10-30
Carbon Dioxide	124-38-9	1-5

4. FIRST AID MEASURES

Eye contact Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Seek medical attention.

Skin contact Wash area thoroughly with soap and water. Remove and wash contaminated clothing before re-use.

Ingestion Do Not induce vomiting. Seek medical attention immediately.

Inhalation Remove to fresh air. Restore breathing. Keep warm and quiet. Seek medical attention.

5. FIRE FIGHTING MEASURES

Flash point °C > 93.3
Flash point °F > 200
Method Pensky-Martens C.C.

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

Flammability Limits (% in Air)
Upper No data available
Lower No data available

Suitable extinguishing media

Carbon dioxide (CO2). Dry chemical. 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

Containers may vent or burst under extreme or prolonged fire conditions. Water spray may be ineffective. If water is used, fog nozzles are preferable. Water should be used to cool closed containers to prevent pressure build-up and possible autoignition or explosion when exposed to extreme heat. During emergency conditions, overexposure to decomposition products may cause a health hazard. Symptoms may not be immediately apparent. Obtain medical attention.

Sensitivity to shock

No information available.

Sensitivity to static discharge

No information available.

6. ACCIDENTAL RELEASE MEASURES

Methods for cleaning up

Ventilate area to maintain exposure below permissible exposure limits. Eliminate all sources of ignition. Dike or dam large spills. Soak up excess with absorbent material. Collect and contain for disposal.

7. HANDLING AND STORAGE

7. HANDLING AND STORAGE

Handling

Contents under pressure. Do not puncture or incinerate. Keep away from open flames, hot surfaces and sources of ignition. Do not take internally. Use only according to label directions.

Storage

Keep away from heat and sources of ignition. Containers exposed to extreme heat may burst. Store in temperatures below 120 degrees F (50 degrees C) . Keep out of the reach of children.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Chemical Name	OSHA PEL (TWA)	OSHA PEL (Ceiling)	ACGIH OEL (TWA)	ACGIH OEL (STEL)
Petroleum distillates, hydrotreated heavy naphthenic	-	-	-	-
Tetrachloroethylene	100 ppm	200 ppm	25 ppm	100 ppm
Carbon Dioxide	5000 ppm 9000 mg/m ³	-	5000 ppm	30000 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. Local: recommended. Consult OSHA standard 1910.94, 1910.107, 1910.108.

Hygiene measures

Wash hands after handling the product.

Other precautions

Avoid contact with skin and eyes. Avoid breathing vapors or mists.

Respiratory protection

Wear a NIOSH approved respirator with chemical/mechanical filters for chemicals listed in Section 3 when ventilation is restricted. Use air supplied respirator in confined spaces. Wear a self-contained breathing apparatus (SCBA).

Hand Protection

Gloves are not required in normal use. The following glove(s) are recommended to prevent prolonged or repeated contact: Chemical resistant gloves.

Eye protection

Safety glasses with side-shields.

Skin and body protection

None necessary under normal conditions

Other Protective Equipment

An eye wash station should be available.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form	Aerosol
Color	Colorless
Odor	No information available

Odor Threshold

No information available

pH

No data available

Specific Gravity

1.39

Vapor pressure

No data available

Density

11.54 lb/gal, 1382 g/l

Vapor density

>Air

Evaporation Rate

>1 (ether = 1)

Water solubility

Moderately soluble

VOC Content

0

Partition Coefficient

No data available

(n-octanol/water)

Boiling point/range °C

< -18 - 122

Boiling point/range °F

< 0 - 252

Melting point/range °C

No data available

Melting point/range °F

No data available

Flash point °C

> 93.3

Flash point °F

> 200

10. STABILITY AND REACTIVITY

Stability

Stable.

Conditions to avoid

None known.

Incompatibility

None known.

Hazardous Decomposition Products

When heated beyond normal or when burned, this product will liberate forms of: Carbon dioxide. Carbon monoxide. Hydrogen chloride.

Polymerization

Will not occur.

11. TOXICOLOGICAL INFORMATION

Component Information

Chemical Name	LD50 (oral, rat)	LD50 (dermal, rat/rabbit)	LC50 (inhalation, rat)
Petroleum distillates, hydrotreated heavy naphthenic 64742-52-5	28710 mg/kg	-	-
Tetrachloroethylene 127-18-4	2629 mg/kg	-	4000 ppm
Carbon Dioxide 124-38-9	-	-	-

Synergistic Products

None known

Potential health effects

Sensitization

None known

Chronic toxicity	See Section 2 .
Mutagenic effects	None known
Teratogenic effects	None known
Reproductive toxicity	None known
Target Organ Effects	See Section 2
Carcinogenic effects	See table below

Chemical Name	ACGIH OEL - Carcinogens	IARC	NTP - Known Carcinogens	NTP - Suspected Human Carcinogens	OSHA RTK Carcinogens
Petroleum distillates, hydrotreated heavy naphthenic	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed
Tetrachloroethylene	A3	Group 2A	Not Listed	Reasonably Anticipated To Be A Human Carcinogen	Listed
Carbon Dioxide	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed

12. ECOLOGICAL INFORMATION

Tetrachloroethylene

Microtox Data

Tetrahymena pyriformis EC50=100 mg/L (24 h)

Nitrosomonas EC50=112 mg/L (24 h)

Photobacterium phosphoreum EC50=120.0 mg/L (30 min)

Water Flea Data

Daphnia magna EC506.1 - 9.0 mg/L (48 h)

Petroleum distillates, hydrotreated heavy naphthenic

Water Flea Data

Daphnia magna EC50>1000 mg/L (48 h)

Ecotoxicity effects No information available

13. DISPOSAL CONSIDERATIONS

Disposal Information

Waste from this product is not hazardous as defined under the Resource Conservation and Recovery Act (RCRA) 40 CFR 261. Do not incinerate. Depressurize container. Dispose of in accordance with Federal, State/Provincial, and Local regulations regarding pollution. This product contains tetrachloroethylene, a highly volatile solvent which is a toxic waste as defined under the Resource Conservation and Recovery Act (RCRA) 40 CFR 261. In normal use this chemical will quickly evaporate, however grease or other residue removed by this product may contain sufficient tetrachloroethylene to be classified as a toxic waste..

14. TRANSPORTATION INFORMATION

DOT

Consumer commodity, ORM-D. UN1950 Aerosols, non-flammable, 2.2 This product meets the "Limited quantity" exemption

TDG

Consumer commodity, ORM-D. UN1950 AEROSOLS, non-flammable, 2.2 This product meets the "limited quantity" exemption

15. REGULATORY INFORMATION

Chemical Name	US EPA SARA 313 Emission Reporting
Tetrachloroethylene	Listed

State Regulations

Chemical Name	New Jersey - RTK	Pennsylvania - RTK	California Prop. 65
Petroleum distillates, hydrotreated heavy naphthenic	Not Listed	Not Listed	Not Listed
Tetrachloroethylene	Listed	Listed	Carcinogen
Carbon Dioxide	Listed	Listed	Not Listed

WARNING: This product contains a chemical(s) known to the state of California to cause cancer

International Inventories

Chemical Name	EINECS	DSL	NDSL	TSCA
Petroleum distillates, hydrotreated heavy naphthenic	X	X	-	X
Tetrachloroethylene	X	X	-	X
Carbon Dioxide	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

HMIS

Health - 2 *
Flammability - 2
Physical Hazard - 0

Prepared By

V. Shargorodsky, Regulatory Affairs 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.

Product code **DA6172**

Product name **Repell**
