



Material Safety Data Sheet

Revision Date 05-May-2014

1. CHEMICAL PRODUCT AND COMPANY INFORMATION

Product code P50258
Product name RUSTY 2000 11 OZ NW
Recommended Use Lubricant

Supplier Kent Automotive
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

Extremely flammable liquid and vapor. Contents under pressure. Irritating to respiratory system. May cause eye/skin irritation.

Aggravated Medical Conditions

None Known.

Principal Routes of Exposure

Eyes. Skin contact. Inhalation.

Potential health effects

- Eyes** May cause the following effects: Irritation. Redness. Itching. Burning sensation.
- Skin** Repeated or prolonged exposure may cause: Skin Irritation. Redness. Itching. Burning sensation.
- Inhalation** May cause the following effects. Upper respiratory tract irritation. Headaches. Dizziness. Nausea. Central nervous system depression. Extreme overexposure may cause. Loss of coordination. Possible unconsciousness. Death. Misuse by deliberately concentrating vapors and inhaling contents can be harmful or fatal.
- Ingestion** May be harmful if swallowed.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	CAS-No	Weight %
Butane	106-97-8	15-40
Petroleum Oil - Naphthenic	64741-96-4	15-40
Propane	74-98-6	10-30
Mineral Spirits	64742-47-8	10-30
Copper	7440-50-8	1-5

Graphite	7782-42-5	0.5-1.5
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4. FIRST AID MEASURES

- Eye contact** Flush with plenty of water for at least 15 minutes. Seek medical attention.
- Skin contact** Wash off immediately with soap and plenty of water. Remove and wash contaminated clothing before re-use.
- Ingestion** Do Not induce vomiting. Seek medical attention immediately.
- Inhalation** Remove from exposure. Restore breathing. Keep warm and quiet. Contact physician if breathing difficulty develops.

5. FIRE FIGHTING MEASURES

Flash point °C < -17.8
Flash point °F < 0
Method Closed cup

Autoignition temperature °C No data available
Autoignition temperature °F

Flammability Limits (% in Air)

Upper 9.5
Lower 1.3

Specific Information for Aerosol Products

Flame extension >36"
Flashback Yes

Suitable extinguishing media

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

Keep product and empty container away from heat and sources of ignition. Material is highly volatile and readily gives off vapors. Containers exposed to extreme heat may burst. Water should be used to cool closed containers to prevent pressure build-up and possible autoignition or explosion when exposed to extreme heat. Water spray may be ineffective. If water is used, fog nozzles are preferable. 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

Yes. Take precautionary measures against static discharges.

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

Eliminate all sources of ignition. Ventilate area to maintain exposure below permissible exposure limits. Soak up with inert absorbent material. Dispose of absorbent in accordance with local, state and federal regulations.

7. HANDLING AND STORAGE**Handling**

Keep in a well-ventilated place. Turn off other sources of ignition prior to use and until all vapors have dissipated. Vapors may accumulate readily and may ignite explosively. Remove all sources of ignition. Keep away from open flame. Do not smoke. Protect against electrostatic charges. To avoid ignition of vapors by static electricity discharge, all metal parts of the equipment must be grounded. Check to make sure that all equipment is properly grounded and installed to satisfy electrical classification requirements. Contents under pressure. Do not puncture or incinerate. Heat from sunlight, radiators, stoves, hot water, and other heat sources could cause container to burst. Do not take internally. Keep out of reach of children.

Storage

Keep away from direct sunlight. 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)
Propane	1000 ppm 1800 mg/m ³	-	1000 ppm	-
Butane	800 ppm	-	-	1000 ppm
Petroleum Oil - Naphthenic	-	-	-	-
Mineral Spirits	-	-	-	-
Graphite	15 mg/m ³	-	2 mg/m ³	-
Copper	0.1 mg/m ³	-	0.2 mg/m ³ 1 mg/m ³	-

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.

Hygiene measures

Wash hands before breaks and immediately after handling the product. Avoid breathing vapors or mists. Avoid contact with skin, eyes and clothing.

Respiratory protection

None required if adequate ventilation is provided. If the exposure limits are exceeded, a NIOSH/MSHA approved respirator is recommended. Wear a NIOSH approved organic vapor/particulate respirator.

Hand Protection

Gloves are not required in normal use. Use of a barrier cream on exposed skin is highly recommended . The following gloves are recommended for prolonged or repeated contact: . Chemical resistant gloves.

Eye protection

Wear safety glasses with side shields.

Skin and body protection

None necessary under normal conditions

Other Protective Equipment

A safety shower and eye wash station should be available for emergency use.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form	Aerosol
Color	Colorless
Odor	No information available
Odor Threshold	No information available
pH	7.0
Specific Gravity	0.79
Vapor pressure	No data available
Density	6.60 lb/gal; 791 g/l
Vapor density	>Air
Evaporation Rate	>1 (ether = 1)
Water solubility	No data available
VOC Content	42%
Partition Coefficient (n-octanol/water)	No data available
Boiling point/range °C	< -18 - 257
Boiling point/range °F	< 0 - 495
Melting point/range °C	No data available
Melting point/range °F	No data available
Flash point °C	< -17.8
Flash point °F	< 0

10. STABILITY AND REACTIVITY**Stability**

Stable.

Conditions to avoid

None known.

Incompatibility
None.

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)
Propane 74-98-6	-	-	658 mg/L
Butane 106-97-8	-	-	658 g/m ³
Petroleum Oil - Naphthenic 64741-96-4	-	-	-
Mineral Spirits 64742-47-8	5000 mg/kg	2000 mg/kg	5.2 mg/L
Graphite 7782-42-5	-	-	-
Copper 7440-50-8	-	-	-

Synergistic Products None known

Specific Hazards Reports have associated repeated and prolonged occupational exposure to solvents with permanent brain damage.

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
Propane	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed
Butane	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed
Petroleum Oil - Naphthenic	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed

Mineral Spirits	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed
Graphite	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed
Copper	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed

12. ECOLOGICAL INFORMATION

Petroleum Oil - Naphthenic

Water Flea Data

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

Copper

Water Flea Data

Daphnia magna EC50=0.03 mg/L (48 h)

13. DISPOSAL CONSIDERATIONS

Disposal Information

As supplied, this product is a RCRA Hazardous Waste . Waste must be tested for ignitability to determine EPA hazardous waste numbers. Do not puncture or incinerate. Depressurize before disposal. 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

Chemical Name	US EPA SARA 313 Emission Reporting
Copper	Listed

State Regulations

WARNING: Petroleum Oil falls into grouping of soots, tars and mineral oils known to the state of California to cause cancer

Chemical Name	New Jersey - RTK	Pennsylvania - RTK	California Prop. 65
Propane	Listed	Listed	Not Listed
Butane	Listed	Listed	Not Listed
Petroleum Oil - Naphthenic	Not Listed	Not Listed	Not Listed
Mineral Spirits	Not Listed	Not Listed	Not Listed
Graphite	Not Listed	Listed	Not Listed
Copper	Not Listed	Listed	Not Listed

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

International Inventories

Product code **P50258**

Product name **RUSTY 2000**
11 OZ NW

Chemical Name	EINECS	DSL	NDSL	TSCA
Propane	X	X	-	X
Butane	X	X	-	X
Petroleum Oil - Naphthenic	X	X	-	X
Mineral Spirits	X	X	-	X
Graphite	X	X	-	X
Copper	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 - 4
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.