



Material Safety Data Sheet

Revision Date

15-Aug-2005

1. CHEMICAL PRODUCT AND COMPANY INFORMATION

Product code QL6241
Product name Pit Boss
Recommended Use Degreaser / Water Treatment

Supplier The JI Holcomb Company
 600 Corporate Woods Parkway
 Vernon Hills, IL 60061

 (847) 955-1501

Emergency telephone number (888) 426-4851

2. HAZARDS IDENTIFICATION

Emergency Overview
 Flammable Liquid.

Aggravated Medical Conditions

Pre-existing skin conditions may be aggravated by exposure to this product.

Principal Routes of Exposure

Eyes. Skin contact. Skin absorption. Ingestion. Inhalation.

Potential health effects

Eyes	Irritation.
Skin	Prolonged skin contact may defat the skin and produce dermatitis.
Inhalation	Irritating to respiratory system.
Ingestion	Aspiration hazard. May cause severe lung damage if aspirated into the lungs from ingestion or vomiting. Harmful if swallowed.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	CAS-No	Weight %
Petroleum distillates, hydrotreated light	64742-47-8	60-100
D-Limonene	5989-27-5	15-40

4. FIRST AID MEASURES

Eye contact Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Seek medical attention if irritation persists.

Skin contact Remove and wash contaminated clothing before re-use. Wipe excess from skin and flush with water using soap if available. Seek medical attention if irritation persists.

Ingestion Do not induce vomiting without medical advice. Keep head below hips if vomiting occurs. Vomiting may cause aspiration pneumonia. Call a physician or Poison Control Center immediately.

Inhalation Remove to fresh air. Provide oxygen or artificial respiration if necessary. Keep warm and quiet. Immediate medical attention is required.

5. FIRE FIGHTING MEASURES

Flash point °C 54
Flash point °F 130
Method Tag closed cup

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.

Extinguishing media which must NOT be used for safety reasons

Do not use a solid water stream as it may scatter and spread fire .

Special protective equipment for firefighters

No information available .

Special Fire-Fighting Procedures

Evacuate area of unprotected and unnecessary personnel . Do not enter any enclosed or confined fire space without proper protective equipment . Firefighters should wear NIOSH/MSHA approved (or equivalent) self-contained pressure-demand breathing apparatus and full protective clothing.

Fire and Explosion Hazards

Flammable liquid. 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. Empty containers contain residue and/or vapors. Do not weld, cut, pressurize, braze, solder, drill, grind, or expose such containers to heat, sparks, flame, static electricity, or other sources of ignition. They may explode and cause injury or death. Water or foam may cause frothing.

Sensitivity to shock

No information available.

Sensitivity to static discharge

No information available.

6. ACCIDENTAL RELEASE MEASURES**Personal precautions**

Evacuate personnel to safe areas.

Methods for cleaning up

Evacuate area of unprotected and unnecessary personnel. Personnel should wear appropriate protective equipment. Follow all precautions for handling. Please refer to appropriate sections of MSDS for additional information. Do not allow product to reach sewage system, soil, surface or ground water, or any water course. Notify proper authorities if entry occurs. Shut off source of leak if safe to do so. Soak up with noncombustible inert absorbent material. Collect and contain for disposal. Use caution as spill may create a slip hazard. After cleaning, flush away traces with water.

7. HANDLING AND STORAGE**Handling**

Ensure adequate ventilation. Remove all sources of ignition. Heat, flames and sparks. Turn off other sources of ignition prior to use and until all vapors have dissipated. Keep container closed when not in use. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose such contents to heat, flames, and other sources of ignition. Thoroughly wash hands and exposed skin after handling.

Storage

Keep out of the reach of children.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION**Exposure limits**

Chemical Name	OSHA PEL (TWA)	OSHA PEL (Ceiling)	ACGIH OEL (TWA)	ACGIH OEL (STEL)
Petroleum distillates, hydrotreated light	-	-	-	-
D-Limonene	-	-	-	-

Ventilation and Environmental Controls

Use enough ventilation, local exhaust at the work area, or both, to keep below the TLV's in the worker's breathing zone and the general area.

Hygiene measures

Wash hands after handling the product. When using, do not eat, drink or smoke.

Other precautions

Avoid contact with skin, eyes and clothing.

Respiratory protection

Use NIOSH approved respirator if TLV limit is exceeded.

Hand protection

Impervious gloves.

Eye protection

ANSI approved safety glasses or splash goggles are recommended. Face-shield.

Skin and body protection

Boots. Apron.

Other Protective Equipment

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

9. PHYSICAL AND CHEMICAL PROPERTIES

Form	Liquid
Color	Clear Orange
Odor	Citric
Odor Threshold	No information available
pH	No data available
Specific Gravity	0.8070
Vapor pressure	No data available
Vapor density	No data available
Evaporation Rate	< 1 (ether = 1)
Water solubility	Insoluble
VOC Content	No data available
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	54
Flash point °F	130

10. STABILITY AND REACTIVITY**Stability**

Stable.

Conditions to avoid

No information available

Materials to avoid

Strong oxidizing agents.

Hazardous decomposition products

Carbon dioxide. Carbon monoxide. Toxic fumes.

Polymerization

Will not occur.

11. TOXICOLOGICAL INFORMATION**Component Information**

Chemical Name	LD50 (oral, rat)	LD50 (dermal, rat/rabbit)	LC50 (inhalation, rat)
<i>Petroleum distillates, hydrotreated light</i> 64742-47-8	5000 mg/kg	2000 mg/kg	5.2 mg/L

<i>D-Limonene</i> 5989-27-5	4400 mg/kg	2000 mg/kg	-
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Synergistic Products No information available

Potential health effects

Sensitization No information available.

Chronic toxicity No information available.

Mutagenic effects No information available.

Teratogenic effects No information available

Reproductive toxicity No information available

Target Organ Effects No information available

Carcinogenic effects
See table below

Chemical Name	ACGIH OEL - Carcinog ens	IARC	NTP - Known Carcinog ens	NTP - Suspecte d Human Carcinog ens	OSHA RTK Carcinog ens
Petroleum distillates, hydrotreated light	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed
D-Limonene	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed

12. ECOLOGICAL INFORMATION

No Information Available

13. DISPOSAL CONSIDERATIONS

Waste from residues / unused products

Dispose in accordance with federal, state, and local regulations.

14. TRANSPORTATION INFORMATION

DOT

Consumer commodity ,ORM-D,

TDG

FLAMMABLE LIQUID, N.O.S., Class 3,UN1993,PG III

IMDG/IMO

Flammable liquid, n.o.s.,UN1993,PG III

IATA

Flammable liquid, n.o.s.*,UN1993,PG III

MEX

UN1993 Flammable liquid, n.o.s.,4.2,III

15. REGULATORY INFORMATION

Chemical Name	New Jersey - RTK	Pennsylvania - RTK
Petroleum distillates, hydrotreated light	Not Listed	Not Listed
D-Limonene	Not Listed	Not Listed

Chemical Name	EINECS	DSL	NDSL	TSCA
Petroleum distillates, hydrotreated light	X	X	-	X
D-Limonene	X	X	-	X

CPRC

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

Health - 1
Flammability - 2
Physical Hazard - 0

Prepared By

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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.