

Material Safety Data Sheet

Revision Date 27-Jul-2010

1. CHEMICAL PRODUCT AND COMPANY INFORMATION

Product code DR9000
Product name WITHER
Recommended Use Grounds Products

Supplier Drummond, A Lawson Brand
Lawson Products, Inc.
1666 East Touhy Avenue
Des Plaines, IL 60018
1-866-529-7664

Emergency telephone number (888) 426-4851

2. HAZARDS IDENTIFICATION

Emergency Overview
Flammable. Irritant.

Aggravated Medical Conditions
Pre-existing respiratory disorders.

Principal Routes of Exposure
Inhalation. Skin. Ingestion.

Potential health effects

Eyes Irritation. Reddening.

Skin Skin Irritation. Redness.

Inhalation Dizziness. Possible unconsciousness.

Ingestion Nausea.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	CAS-No	Weight %
Naphtha (petroleum), heavy aromatic	64742-94-5	not disclosed
Isopropyl alcohol	67-63-0	not disclosed
Petroleum gases, liquified, sweetened	68476-86-8	not disclosed

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.

Ingestion Do not induce vomiting. Contact physician or poison control center immediately.

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

5. FIRE FIGHTING MEASURES

Flash point °C 61
Flash point °F 142
Method Tag Closed Cup

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

Flammability Limits (% in Air)
Upper 6.0
Lower 1.0

Suitable extinguishing media
Water fog. Water spray. Carbon dioxide (CO2). Dry chemical. 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
Contents under pressure. Aerosol containers may vent, rupture or burst when heated to temperatures above 120°F. Vapors of this product may develop a flammable atmosphere in confined areas.

Sensitivity to shock
No information available.

Sensitivity to static discharge
No information available.

6. ACCIDENTAL RELEASE MEASURES

Methods for cleaning up
Soak up with inert absorbent material. Wipe or scrape up and dispose of spill.

7. HANDLING AND STORAGE

Handling
Do not puncture or incinerate. Do not reuse containers. Vapors are heavier than air and will collect in low areas. Keep container closed when not in use.

Storage
Store in temperatures below 120 degrees F.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Chemical Name	OSHA PEL (TWA)	OSHA PEL (Ceiling)	ACGIH OEL (TWA)	ACGIH OEL (STEL)
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Product code **DR9000**Product name **WITHER**

Naphtha (petroleum), heavy aromatic	-	-	-	-
Isopropyl alcohol	400 ppm 980 mg/m ³	-	200 ppm	400 ppm
Petroleum gases, liquified, sweetened	-	-	-	-

Ventilation and Environmental Controls

Ensure adequate ventilation, especially in confined areas.

Hygiene measures

Wash hands before breaks and immediately after handling the product.

Respiratory protection

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

Hand Protection

Protective gloves.

Eye protection

ANSI approved safety glasses are recommended to prevent accidental eye contact.

Skin and body protection

None necessary under normal conditions

9. PHYSICAL AND CHEMICAL PROPERTIES

Form	Aerosol
Color	Brown
Odor	Petroleum
Odor Threshold	No information available
pH	No data available
Specific Gravity	0.89
Vapor pressure	< 5 mmHg @ 25°C
Vapor density	4 (air=1)
Evaporation Rate	<1 (Butyl Acetate = 1)
Water solubility	Insoluble
VOC Content	No data available
Partition Coefficient (n-octanol/water)	No data available
Boiling point/range °C	> 176
Boiling point/range °F	> 350
Melting point/range °C	No data available
Melting point/range °F	No data available
Flash point °C	61
Flash point °F	142

10. STABILITY AND REACTIVITY**Stability**

Stable under normal conditions.

Conditions to avoid

Do not apply to hot surfaces.

Incompatibility

Some plastics.

Hazardous Decomposition Products

Carbon monoxide.

Polymerization

Hazardous polymerization does not occur.

11. TOXICOLOGICAL INFORMATION**Component Information**

Chemical Name	LD50 (oral, rat)	LD50 (dermal, rat/rabbit)	LC50 (inhalation, rat)
Naphtha (petroleum), heavy aromatic 64742-94-5	5000 mg/kg	2000 mg/kg	590 mg/m ³
Isopropyl alcohol 67-63-0	4396 mg/kg	12800 mg/kg 12870 mg/kg	72.6 mg/L
Petroleum gases, liquified, sweetened 68476-86-8	-	-	-

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. Cardiovascular system.

Carcinogenic effects

See Table Below.

Chemical Name	ACGIH OEL - Carcinogens	IARC	NTP - Known Carcinogens	NTP - Suspected Human Carcinogens	OSHA RTK Carcinogens
Naphtha (petroleum), heavy aromatic	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed
Isopropyl alcohol	Listed	Not Listed	Not Listed	Not Listed	Not Listed
Petroleum gases, liquified, sweetened	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed

Product code **DR9000**Product name **WITHER****12. ECOLOGICAL INFORMATION**

Naphtha (petroleum), heavy aromatic

Water Flea Data*Daphnia magna* hEC50 48 (0.95 mg/L)

Isopropyl alcohol

Microtox Data*Photobacterium phosphoreum* EC50=35390 mg/L (5 min)**Water Flea Data***Daphnia magna* hEC50 48 (13299 mg/L)

Petroleum gases, liquified, sweetened	X	X	-	X
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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**13. DISPOSAL CONSIDERATIONS****Disposal Information**

Wrap container and place in trash collection.

Waste from residues / unused products

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

14. TRANSPORTATION INFORMATION**DOT**

UN1950 Aerosols, flammable, 2.1

Exception: (Compressed Gas not more than 1.0L) Consumer Commodity
ORM-D

TDG

Not Allowed

IMDG/IMO

UN1950 Aerosols, flammable, 2.1

IATA

UN1950 Aerosols, flammable, 2.1

MEX

Not Allowed

15. REGULATORY INFORMATION

Chemical Name	US EPA SARA 313 Emission Reporting
Isopropyl alcohol	Listed

Chemical Name	New Jersey - RTK	Pennsylvania - RTK	California Prop. 65
Naphtha (petroleum), heavy aromatic	Not Listed	Not Listed	Not Listed
Isopropyl alcohol	Listed	Listed	Not Listed
Petroleum gases, liquified, sweetened	Not Listed	Not Listed	Not Listed

Chemical Name	EINECS	DSL	NDSL	TSCA
Naphtha (petroleum), heavy aromatic	X	X	-	X
Isopropyl alcohol	X	X	-	X

HMIS**Health** - 2**Flammability** - 3**Physical Hazard** - 1**Prepared By**Michael Katz, Regulatory Affairs
Specialist

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.