



Material Safety Data Sheet

Revision Date 21-Feb-2013

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Version 1

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: WINZER PURPLE GUARD BATTERY PROTECTOR

Product Number: 891.525

MSDS Number: 891.525.7

Product Use/Description: Battery Protectant/ Extremely flammable aerosol

Manufactured For:
Winzer Corporation
4060 E. Plano Pkwy
Plano, TX 75074
800-527-4126

Emergency Phone Number: INFOTRAC (800) 535-5053

2. HAZARDS IDENTIFICATION

DANGER!

Emergency Overview

Extremely flammable aerosol

Contents under pressure

Irritating to respiratory system

Irritating to skin

Irritating to eyes

Intentional misuse by deliberately concentrating and inhaling contents may be harmful or fatal

OSHA Regulatory Status This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Potential Health Effects

Principle Routes of Exposure Eye contact. Skin contact. Inhalation.

Acute toxicity

Eyes

Irritating to eyes.

Skin

Irritating to skin. Prolonged skin contact may defat the skin and produce dermatitis. May cause frostbite.

Inhalation

Irritating to respiratory system. Avoid breathing vapors or mists. Symptoms of overexposure are dizziness, headache, tiredness, nausea, unconsciousness, cessation of breathing.

Ingestion

Not an expected route of exposure. Potential for aspiration if swallowed. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Chronic Effects No information available.

Aggravated Medical Conditions	Central nervous system. Preexisting eye disorders. Kidney disorders. Skin disorders. Respiratory disorders. Peripheral Nervous System (PNS).
Interactions with Other Chemicals	Use of alcoholic beverages may enhance toxic effects
Environmental hazard	See Section 12 for additional Ecological Information

3. COMPOSITION/INFORMATION ON INGREDIENTS

CAS # 110-54-3, HEXANE, MAY BE SUBSTITUTED FOR CAS # 64742-49-0, COMMERCIAL HEXANES.

Chemical Name	CAS-No	Weight %
HEXANE	110-54-3	30-60
PROPANE/ISOBUTANE/N-BUTANE	68476-86-8	15-40
NAPHTHENIC OIL, SEVERELY HYDROTREATED	64742-52-5	10-30
HYDROTREATED HEAVY NAPHTHENIC	64742-01-4	1-5
PETROLEUM DISTILLATES	8052-41-3	1-5

4. FIRST AID MEASURES

General advice	Show this material safety data sheet to the doctor in attendance.
Eye contact	Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes.
Skin contact	Wash off immediately with soap and plenty of water. Wash contaminated clothing before reuse. If skin irritation persists, call a physician.
Inhalation	Move to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration.
Ingestion	Do NOT induce vomiting. Call physician immediately.
Notes to physician	No information available.

5. FIRE-FIGHTING MEASURES

Flammable Properties	Extremely flammable aerosol.
Flash point	-156 °F / -104 °C
Method	Based on propellant
Suitable Extinguishing Media	Foam. Dry chemical. Alcohol-resistant foam. Carbon dioxide (CO ₂).
Hazardous Combustion Products	Carbon oxides.
Explosion Data	
Sensitivity to Static Discharge	No information available.
Specific hazards arising from the chemical	Containers can build up pressure if exposed to heat (fire). Keep containers and surrounding areas cool with water spray.
Protective Equipment and Precautions for Firefighters	As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

NFPA	Health Hazard 2	Flammability 4	Stability 0	Physical and chemical hazards -
HMIS	Health Hazard 2*	Flammability 4	Physical Hazard 2	Personal protection B

* Chronic Health Hazard Repeated or prolonged exposure may cause central nervous system damage

6. ACCIDENTAL RELEASE MEASURES

Personal precautions	Ensure adequate ventilation. For personal protection see section 8.
Environmental precautions	Do not flush into surface water or sanitary sewer system.
Methods for Containment	Prevent further leakage or spillage if safe to do so.
Methods for cleaning up	Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal.

7. HANDLING AND STORAGE

Advice on safe handling	Wear personal protective equipment. Avoid contact with skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice. Do not breathe vapors or spray mist. Do not ingest. Keep away from heat, sparks and open flame. No smoking. Wash thoroughly after handling.
Technical measures/Storage conditions	Keep out of the reach of children. Incompatible with oxidizing agents.
Aerosol Level	3

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
HEXANE 110-54-3	TWA: 50 ppm S*	TWA: 500 ppm TWA: 1800 mg/m ³ (vacated) TWA: 50 ppm (vacated) TWA: 180 mg/m ³	IDLH: 1100 ppm TWA: 50 ppm TWA: 180 mg/m ³
PETROLEUM DISTILLATES 8052-41-3	TWA: 100 ppm	TWA: 500 ppm TWA: 2900 mg/m ³ (vacated) TWA: 100 ppm (vacated) TWA: 525 mg/m ³	IDLH: 20000 mg/m ³ Ceiling: 1800 mg/m ³ 15 min TWA: 350 mg/m ³
XYLENE 1330-20-7	STEL: 150 ppm TWA: 100 ppm	TWA: 100 ppm TWA: 435 mg/m ³ (vacated) TWA: 100 ppm (vacated) TWA: 435 mg/m ³ (vacated) STEL: 150 ppm (vacated) STEL: 655 mg/m ³	

Other Exposure Guidelines Vacated limits revoked by the Court of Appeals decision in AFL-CIO v. OSHA, 965 F.2d 962 (11th Cir., 1992).

Engineering Measures Ensure adequate ventilation.

Personal Protective Equipment

Eye/Face Protection Safety glasses with side-shields.

Skin and body protection Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact.

Respiratory protection

If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn.

Hygiene measures

Do not eat, drink or smoke when using this product. General industrial hygiene practice. Avoid contact with skin, eyes and clothing. Wash hands and face before breaks and immediately after handling the product. Avoid breathing vapors, mist or gas.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state	Aerosol	Appearance	opaque
Odor	Solvent	Color	purple
Property		Values	
pH		Not applicable	
Boiling point/boiling range		No information available	
Flash Point		Based on propellant	
Flammability Limits in Air		No data available	
upper flammability limit			
lower flammability limit			
Vapor pressure		Not Determined	
Vapor density		Heavier than air	
Specific Gravity		0.71	
Water solubility		No information available	
Viscosity, kinematic		No information available	
VOC Content(%)		77.69	

10. STABILITY AND REACTIVITY

Stability	Stable under recommended storage conditions.
Incompatible products	Strong oxidizing agents.
Conditions to Avoid	Strong oxidizing agents. Strong bases.
Hazardous Decomposition Products	Carbon oxides. Fumes.
Hazardous Reactions	No information available.
Hazardous Polymerization	Hazardous polymerization does not occur.

11. TOXICOLOGICAL INFORMATION

Acute toxicity**Product Information**

Causes skin, eye and respiratory tract irritation. May be harmful if swallowed.

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
HEXANE	25 g/kg (Rat)	3000 mg/kg (Rabbit)	48000 ppm (Rat) 4 h
NAPHTHENIC OIL, SEVERELY HYDROTREATED	5000 mg/kg (Rat)	5000 mg/kg (Rabbit)	5 mg/L (Rat) 4 h
HYDROTREATED HEAVY NAPHTHENIC	5000 mg/kg (Rat)	2000 mg/kg (Rabbit)	2.18 mg/L (Rat) 4 h

Chronic toxicity**Carcinogenicity**

The table below indicates whether each agency has evaluated a listed ingredient as a carcinogen.

Chemical Name	ACGIH	IARC	NTP	OSHA
HYDROTREATED HEAVY NAPHTHENIC	A2			X

ACGIH: (American Conference of Governmental Industrial Hygienists)

A2 - Suspected Human Carcinogen

IARC: (International Agency for Research on Cancer)

Group 3 - Not Classifiable as to Carcinogenicity in Humans

OSHA: (Occupational Safety & Health Administration)

X - Present

Target Organ Effects Central nervous system. Eyes. Kidney. Peripheral Nervous System (PNS). Respiratory system. Skin.

12. ECOLOGICAL INFORMATION

Ecotoxicity

The environmental impact of this product has not been fully investigated.

13. DISPOSAL CONSIDERATIONS

Waste Disposal Methods This material, as supplied, is a hazardous waste according to federal regulations (40 CFR 261).

Contaminated packaging Do not re-use empty containers.

14. TRANSPORT INFORMATION

DOT Ground CONSUMER COMMODITY ORM-D
or
LIMITED QUANTITY

IATA UN1950, AEROSOLS, FLAMMABLE, 2.1, LTD. QTY.

IMDG UN1950, AEROSOLS, FLAMMABLE, 2.1, LTD. QTY.

15. REGULATORY INFORMATION

International Inventories

TSCA	TSCA
DSL	-
NDSL	Complies
EINECS	-
ELINCS	-
ENCS	-
IECSC	-
KECL	-
PICCS	-
AICS	-

Chemical Name	TSCA	DSL	NDSL	EINECS	ELINCS	ENCS	IECSC	KECL	PICCS	AICS

HEXANE	Present	X	Not listed	203-777-6	Not listed	Present	X	KE-18626	X	X
PROPANE/ISOBUTANE/N-BUTANE	Present	X	Not listed	270-705-8	Not listed	Not listed	X	KE-28192	X	X
NAPHTHENIC OIL, SEVERELY HYDROTREATED	Present	X	Not listed	265-155-0	Not listed	Present	X	KE-12543	X	X
HYDROTREATED HEAVY NAPHTHENIC	Present	X	Not listed	265-101-6	Not listed	Not listed	X	KE-30124	X	X
PETROLEUM DISTILLATES	Present	X	Not listed	232-489-3	Not listed	Present	X	KE-32199	X	X

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDL - Canadian Domestic Substances List/Non-Domestic Substances List

EINECS/ELINCS - European Inventory of Existing Commercial Chemical Substances/EU List of Notified Chemical Substances

ENCS - Japan Existing and New Chemical Substances

IECSC - China Inventory of Existing Chemical Substances

KECL - Korean Existing and Evaluated Chemical Substances

PICCS - Philippines Inventory of Chemicals and Chemical Substances

AICS - Australian Inventory of Chemical Substances

U.S. Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372:

Chemical Name	SARA 313 - Threshold Values %
HEXANE	1.0

SARA 311/312 Hazard Categories

Acute Health Hazard	Yes
Chronic Health Hazard	Yes
Fire Hazard	Yes
Sudden Release of Pressure Hazard	no
Reactive Hazard	no

U.S. State Regulations

California Proposition 65

This product does not contain any known Proposition 65 chemicals.

U.S. State Right-to-Know Regulations

Chemical Name	Massachusetts	New Jersey	Pennsylvania	Illinois	Rhode Island
HEXANE	X	X	X	X	
PETROLEUM DISTILLATES	X	X	X		
ORGANOPHOSPHATE ESTER, ZINC SALT		X	X		
XYLENE	X	X	X	X	

International Regulations

Chemical Name	Carcinogen Status	Exposure Limits
HEXANE		Mexico: TWA 50 ppm Mexico: TWA 176 mg/m ³
PETROLEUM DISTILLATES		Mexico: TWA 100 ppm Mexico: TWA 523 mg/m ³ Mexico: STEL 200 ppm Mexico: STEL 1050 mg/m ³

Canada

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

16. OTHER INFORMATION

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Disclaimer

The information provided on this MSDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.