

Material Safety Data Sheet

Issuing date 12-Jun-2014

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Version 1.01

1. PRODUCT AND COMPANY IDENTIFICATION

Product name 57580 (115) HEAVY DUTY CARB
Product code F01462
Product Type Extremely flammable aerosol
Recommended Use Heavy duty carberator and choke cleaner

Manufactured For:
Kellogg's Professional Products
325 Pearl Street
Sandusky, OH 44870

Chemical Emergency Phone Number Chemtrec 1-800-424-9300
Company Emergency Phone Number 1-419-625-6551 MON-FRI: 8:00 AM - 5:00 PM

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

Appearance Clear **Physical state** Aerosol **Odor** Solvent

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. Skin disorders. Respiratory disorders. Central Vascular System (CVS).

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

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

Chemical Name	CAS-No	Weight %*
ACETONE	67-64-1	50-55
XYLENE	1330-20-7	15-20
CARBON DIOXIDE	124-38-9	5-10
ETHYL BENZENE	100-41-4	1-5
TOLUENE	108-88-3	0.1-1

4. FIRST AID MEASURES

General advice	Avoid contact with skin, eyes, and clothing. Avoid breathing, vapors, mist, or gas.
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	Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Flammable Properties	Extremely flammable aerosol.
Flash point	>= -4 °F / >= -20 °C
Method	Tag closed cup (based on components)
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 - Personal protection B
HMIS	Health Hazard 2*	Flammability 4	Physical Hazard 1	

* 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	2

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
ACETONE 67-64-1	STEL: 750 ppm TWA: 500 ppm	TWA: 1000 ppm TWA: 2400 mg/m ³ (vacated) TWA: 750 ppm (vacated) TWA: 1800 mg/m ³ (vacated) STEL: 2400 mg/m ³ The acetone STEL does not apply to the cellulose acetate fiber industry. It is in effect for all other sectors (vacated) STEL: 1000 ppm	IDLH: 2500 ppm TWA: 250 ppm TWA: 590 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	
CARBON DIOXIDE 124-38-9	STEL: 30000 ppm TWA: 5000 ppm	TWA: 5000 ppm TWA: 9000 mg/m ³ (vacated) TWA: 10000 ppm (vacated) TWA: 18000 mg/m ³ (vacated) STEL: 30000 ppm (vacated) STEL: 54000 mg/m ³	IDLH: 40000 ppm TWA: 5000 ppm TWA: 9000 mg/m ³ STEL: 30000 ppm STEL: 54000 mg/m ³
ETHYL BENZENE 100-41-4	TWA: 20 ppm	TWA: 100 ppm TWA: 435 mg/m ³ (vacated) TWA: 100 ppm (vacated) TWA: 435 mg/m ³ (vacated) STEL: 125 ppm (vacated) STEL: 545 mg/m ³	IDLH: 800 ppm TWA: 100 ppm TWA: 435 mg/m ³ STEL: 125 ppm STEL: 545 mg/m ³
TOLUENE 108-88-3	TWA: 20 ppm	TWA: 200 ppm (vacated) TWA: 100 ppm (vacated) TWA: 375 mg/m ³ (vacated) STEL: 150 ppm (vacated) STEL: 560 mg/m ³ Ceiling: 300 ppm	IDLH: 500 ppm TWA: 100 ppm TWA: 375 mg/m ³ STEL: 150 ppm STEL: 560 mg/m ³

<p>BENZENE 71-43-2</p>	<p>STEL: 2.5 ppm TWA: 0.5 ppm S*</p>	<p>TWA: 10 ppm applies to industry segments exempt from the benzene standard at 29 CFR 1910.1028 TWA: 1 ppm (vacated) TWA: 10 ppm unless specified in 1910.1028 (vacated) STEL: 50 ppm 10 min unless specified in 1910.1028 (vacated) Ceiling: 25 ppm unless specified in 1910.1028 Ceiling: 25 ppm STEL: 5 ppm see 29 CFR 1910.1028</p>	<p>IDLH: 500 ppm TWA: 0.1 ppm STEL: 1 ppm</p>
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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

<p>Physical state Odor</p>	<p>Aerosol Solvent</p>	<p>Appearance Color</p>	<p>Clear No information available</p>
<p>Property pH Boiling point/boiling range Flash Point Flammability Limits in Air upper flammability limit lower flammability limit Vapor pressure Vapor density Specific Gravity Water solubility Viscosity, kinematic</p>	<p>Values Not applicable >= -20 °C / >= -4 °F 0.784</p>	<p>Remarks • Methods No information available Tag closed cup (based on components) No data available Not Determined Heavier than air No information available No information available No information available</p>	
<p>Other information</p>	<p>VOC Content(%) 40.49</p>		

10. STABILITY AND REACTIVITY

<p>Stability</p>	<p>Stable under recommended storage conditions.</p>
<p>Incompatible products</p>	<p>Strong oxidizing agents.</p>
<p>Conditions to Avoid</p>	<p>Strong oxidizing agents. Strong bases.</p>
<p>Hazardous Decomposition Products</p>	<p>Carbon oxides. Fumes.</p>

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
ACETONE			50100 mg/m ³ (Rat) 8 h
XYLENE	= 4300 mg/kg (Rat)		47635 mg/L (Rat) 4 h
ETHYL BENZENE	= 3500 mg/kg (Rat)	= 15354 mg/kg (Rabbit)	17.2 mg/L (Rat) 4 h
TOLUENE	= 636 mg/kg (Rat)	= 8390 mg/kg (Rabbit)	12.5 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
XYLENE		Group 3		
ETHYL BENZENE	A3	Group 2B		X
TOLUENE		Group 3		

ACGIH: (American Conference of Governmental Industrial Hygienists)

A3 - Animal Carcinogen

IARC: (International Agency for Research on Cancer)

Group 2B - Possibly Carcinogenic to Humans

Group 3 - Not Classifiable as to Carcinogenicity in Humans

OSHA: (Occupational Safety & Health Administration)

X - Present

Target Organ Effects Central nervous system. Central Vascular System (CVS). Eyes. 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, 2.1, LTD. QTY.

15. REGULATORY INFORMATION

International Inventories

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

Chemical Name	TSCA	DSL/NDSL	EINECS/ELI NCS	ENCS	IECSC	KECL	PICCS	AICS
ACETONE	X	X	X	X	X	X	X	X
XYLENE	X	X	X	X	X	X	X	X
CARBON DIOXIDE	X	X	X	X	X	X	X	X
ETHYL BENZENE	X	X	X	X	X	X	X	X
TOLUENE	X	X	X	X	X	X	X	X

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

DSL/NDSL - 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

CHINA - 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 %
XYLENE	1.0
ETHYL BENZENE	0.1
TOLUENE	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 contains the following Proposition 65 chemicals:

Chemical Name	California Prop. 65
ETHYL BENZENE	Carcinogen
TOLUENE	Developmental Female Reproductive

U.S. State Right-to-Know Regulations

Chemical Name	Massachusetts	New Jersey	Pennsylvania	Illinois	Rhode Island
ACETONE	X	X	X		
XYLENE	X	X	X	X	
CARBON DIOXIDE	X	X	X		
ETHYL BENZENE	X	X	X	X	
TOLUENE	X	X	X	X	

International Regulations

Chemical Name	Carcinogen Status	Exposure Limits
ACETONE		Mexico: TWA 1000 ppm Mexico: TWA 2400 mg/m ³ Mexico: STEL 1260 ppm Mexico: STEL 3000 mg/m ³
XYLENE		Mexico: TWA 100 ppm Mexico: TWA 435 mg/m ³ Mexico: STEL 150 ppm Mexico: STEL 655 mg/m ³
CARBON DIOXIDE		Mexico: TWA 5000 ppm Mexico: TWA 9000 mg/m ³ Mexico: STEL 15000 ppm Mexico: STEL 27000 mg/m ³
ETHYL BENZENE		Mexico: TWA 100 ppm Mexico: TWA 435 mg/m ³ Mexico: STEL 125 ppm Mexico: STEL 545 mg/m ³
TOLUENE		Mexico: TWA 50 ppm Mexico: TWA 188 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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Revision Note No information available.

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.

End of Material Safety Data Sheet