

Material Safety Data Sheet

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Version 1.01

1. PRODUCT AND COMPANY IDENTIFICATION

Product name 57600-116 SHIELD WATER&STAIN

Product code F01464

Product Type Extremely flammable aerosol

Recommended Use Water and stain repellent

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

May cause adverse liver effects.

Aggravated Medical Conditions

Central nervous system. Preexisting eye disorders. Kidney disorders. Liver disorders. Skin disorders. Respiratory disorders.

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 %*
TETRACHLOROETHYLENE	127-18-4	35-40
HEPTANE	64742-49-0	30-35
PROPANE/ISOBUTANE/N-BUTANE	68476-86-8	25-30
XYLENE	1330-20-7	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	-141 °F / -96.4 °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.			
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 Beware of vapors accumulating to form explosive concentrations. Vapors can accumulate in low areas.

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 Avoid contact with eyes. Avoid breathing vapors or mists. Contents under pressure. Do not puncture or incinerate cans. Do not stick pin or any other sharp object into opening on top of can.

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
TETRACHLOROETHYLENE 127-18-4	STEL: 100 ppm TWA: 25 ppm	TWA: 100 ppm (vacated) TWA: 25 ppm (vacated) TWA: 170 mg/m ³ Ceiling: 200 ppm	IDLH: 150 ppm
PROPANE/ISOBUTANE/N-BUTANE 68476-86-8	-		
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	
BUTYL ACETATE 123-86-4	STEL: 200 ppm TWA: 150 ppm	TWA: 150 ppm TWA: 710 mg/m ³ (vacated) TWA: 150 ppm (vacated) TWA: 710 mg/m ³ (vacated) STEL: 200 ppm (vacated) STEL: 950 mg/m ³	IDLH: 1700 ppm TWA: 150 ppm TWA: 710 mg/m ³ STEL: 200 ppm STEL: 950 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
Odor Solvent
Appearance Clear
Color clear

<u>Property</u>	<u>Values</u>	<u>Remarks • Methods</u>
pH	Not applicable	
Boiling point/boiling range		No information available
Flash Point	-96.4 °C / -141 °F	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	0.882	No information available
Water solubility		No information available
Viscosity, kinematic		No information available

Other information

VOC Content(%) 59.15

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.

Component Information

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
TETRACHLOROETHYLENE	= 2629 mg/kg (Rat)		4000 ppm (Rat) 4 h
HEPTANE	> 5000 mg/kg (Rat)	> 3160 mg/kg (Rabbit)	73680 ppm (Rat) 4 h
PROPANE/ISOBUTANE/N-BUTANE	-		
XYLENE	= 4300 mg/kg (Rat)		47635 mg/L (Rat) 4 h

Chronic toxicity

Chronic toxicity May cause adverse liver effects.

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

Chemical Name	ACGIH	IARC	NTP	OSHA

TETRACHLOROETHYLENE	A3	Group 2A	Reasonably Anticipated	X
XYLENE		Group 3		

ACGIH: (American Conference of Governmental Industrial Hygienists)

A3 - Animal Carcinogen

IARC: (International Agency for Research on Cancer)

Group 2A - Probably Carcinogenic to Humans

Group 3 - Not Classifiable as to Carcinogenicity in Humans

NTP: (National Toxicity Program)

Reasonably Anticipated - Reasonably Anticipated to be a Human Carcinogen

OSHA: (Occupational Safety & Health Administration)

X - Present

Target Organ Effects Central nervous system. Eyes. Kidney. Liver. 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, CONTAINING SUBSTANCE IN DIVISION 6.1, PACKING GROUP III, 2.1 (6.1), LTD. QTY

IMDG UN1950, AEROSOLS, 2.1 (6.1), LTD. QTY

15. REGULATORY INFORMATION

International Inventories

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

Chemical Name	TSCA	DSL/NDSL	EINECS/ELINCS	ENCS	IECSC	KECL	PICCS	AICS
TETRACHLOROETHYLENE	X	X	X	X	X	X	X	X
HEPTANE	X	X	X	X	X	X	X	X

PROPANE/ISOBUTANE/N-BUTANE	X	X	X	Not listed	X	X	X	X
XYLENE	X	X	X	X	X	X	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
 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 %
TETRACHLOROETHYLENE	0.1
XYLENE	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
TETRACHLOROETHYLENE	Carcinogen

U.S. State Right-to-Know Regulations

Chemical Name	Massachusetts	New Jersey	Pennsylvania	Illinois	Rhode Island
TETRACHLOROETHYLENE	X	X	X	X	
XYLENE	X	X	X	X	

International Regulations

Chemical Name	Carcinogen Status	Exposure Limits
TETRACHLOROETHYLENE	A3	Mexico: TWA 100 ppm Mexico: TWA 670 mg/m ³ Mexico: TWA 200 ppm Mexico: TWA 1250 mg/m ³ Mexico: STEL 200 ppm Mexico: STEL 1340 mg/m ³
XYLENE		Mexico: TWA 100 ppm Mexico: TWA 435 mg/m ³ Mexico: STEL 150 ppm Mexico: STEL 655 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

Prepared By American Jetway
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Wayne, MI 48184

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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