

Scharpf Group, Inc.

Safety Data Sheet

SECTION 1 Identification of the substance/mixture and of the company/undertaking

Product identification used on label

Product identifier:	Oshkosh Defense SG-510A Oshkosh Defense p/n 3395694 Anti-Corrosion Spray
Recommended use of the chemical:	Aerosol Spray
Details of the supplier of the safety data sheet:	The Scharpf Group, Inc 3791 Pickett Rd. Oshkosh, WI 54904 920-233-7146
Emergency telephone number:	ChemTel: 800-255-3924 (US and Canada) ChemTel: 01800-099-0731 (Mexico)

SECTION 2 Hazards identification

Classification of the chemical in accordance with paragraph (d) of §1910.1200;

GHS Hazard Symbols



GHS02 Flame, GHS04 Gas Cylinder, GHS07 Exclamation Mark

GHS Classification: Flammable Aerosols, Category 1
Gases Under Pressure, Category Compressed Liquid
Skin Corrosion/Irritation, Category 2
Serious Eye Damage/Eye Irritation, Category 2B
Percentage of the mixture consisting of ingredient(s) of unknown toxicity: 39%

Signal Word: DANGER

Hazard Statements: H222 Extremely flammable aerosol.
H280 Contains gas under pressure; may explode if heated.
H315 Causes skin irritation.
H320 Causes eye irritation.

Precautionary Statements - General and Prevention: P102 Keep out of reach of children.
P210 Keep away from heat / sparks / open flames / other ignition sources. No smoking.
P211 Do not spray on an open flame or other ignition source.
P251 Pressurized container: Do not pierce or burn, even after use.
P261 Avoid breathing vapor/spray.
P264 Wash hands thoroughly after handling.

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P280 Wear eye protection.

Response: P302 + P352 IF ON SKIN: Wash with plenty of soap and water.
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do.
P337 + P313 If eye irritation persists: Get medical advice/attention.

Storage: P403 + P233 Store in a well-ventilated place. Keep container tightly closed when not in use.
P410 + P403 Protect from sunlight. Store in a well-ventilated place.
P410 + P412 Protect from sunlight. Do not expose to temperatures exceeding 30 degrees C/122 degrees F.

SECTION 3 Composition/information on ingredients

Chemical Name	CAS #	%
Petroleum Solvent	64742-47-8	35-40
Propane	74-98-6	15-21
N-Butane	106-97-8	8-10

Note: Specific chemical identities and/or exact percentages have been withheld as a trade secret.

SECTION 4 First aid measures

Inhalation: If inhaled: Move person to fresh air and keep in comfortable position for breathing. If breathing difficulty persists: Get medical advice / attention.

Eye Contact: If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice / attention.

Skin Contact: If on skin: Wash with plenty of soap and water. Remove contaminated clothing and wash before reuse. If skin irritation persists: Get medical advice / attention.

Ingestion: If swallowed: Immediately call a poison center / doctor. Do NOT induce vomiting unless directed to do so by medical personnel.

Most Important Symptoms and Effects, Both Acute and Delayed: See Section 11: Toxicological information and effects.

Indication of any immediate medical attention and special treatment required: Treat symptomatically.

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SECTION 5 Fire-Fighting measures

Suitable Extinguishing Media:	CO2 (Carbon Dioxide), dry chemical or water fog.
Unsuitable Extinguishing Media:	Water spray may be unsuitable. However, if water is used fog nozzles are preferable. Water may be used to cool closed containers to prevent pressure build-up and explosion when exposed to extreme heat.
Specific Hazards Arising from the Chemical:	Closed containers exposed to heat from fire may build pressure and explode. Products of combustion may include but are not limited to: oxides of carbon.
Special Protective Equipment and Precautions of Fire-Fighters:	Full protective equipment including self-contained breathing apparatus should be used.

SECTION 6 Accidental release measures

Personal Precautions:	Use personal protection recommended in Section 8.
Environmental Precautions:	Prevent contamination of soil / ground, waterways, drains, and sewers.
Methods of Containment:	Absorb spilled liquid in suitable material.
Methods of Clean-up:	Use spark-proof tools to sweep or scrape up, containerize, and dispose of properly.
Other Information:	Ensure adequate ventilation.

SECTION 7 Handling and storage

Precautions for safe handling:	Vapors may ignite explosively. Prevent buildup of vapors. Keep from sparks, heat, flame or other heat sources. Do not smoke. Turn off pilot lights, heaters, electric motors and other sources of ignition during use and until all vapors are gone. Do not puncture or incinerate / burn container. Keep container tightly closed while not in use.
Conditions for Safe Storage, Including Any Incompatibilities:	Store in dry, well-ventilated area and in accordance with federal, state and local regulations. Do not expose to heat or store at temperatures above 50 degrees C / 122 degrees F. If storing in cold temperatures, allow product to warm to room temperature before use. Keep container tightly closed and away from heat and sunlight when not in use.

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SECTION 8 Exposure controls/personal protection

Control parameters

<u>Chemical Name</u>	<u>ACGIH TLV-STEL</u>	<u>ACGIH TLV-TWA</u>	<u>OSHA PEL-TWA</u>
Petroleum Solvent	n/e	n/e	400 ppm
Propane	1,800 ppm	2,500 ppm	1,000 ppm
N-Butane	n/e	800 ppm	800 ppm

Appropriate Engineering Controls: Provide adequate ventilation to keep air contamination below OSHA permissible exposure limits and ACGIH TLV exposure levels.

Eye/Face Protection: Wear safety glasses with side shields. Have eye wash facilities immediately available.

Skin Protection: Wear chemical resistant gloves (neoprene or butyl rubber) if contact is likely.

Respiratory Protection: Use NIOSH-approved air-purifying respirator with organic cartridge or canister if exposure cannot be controlled with applicable limits with ventilation.

SECTION 9 Physical and chemical properties (Typical, not specification)

Physical State:	Aerosol – Pressurized Liquid
Color:	See product identification
Odor:	Solvent odor
Odor Threshold:	No data available
pH:	No data available
Freezing Point:	Not established (mixture)
Boiling Point, °C:	Not Applicable (pressurized mixture)
Flash Point:	Less than -18 degrees C (less than -0.4 degrees F)
Evaporation Rate:	Faster than ether
Upper Flammability Limit:	Not established (mixture)
Lower Flammable Limit:	Not established (mixture)
Vapor Pressure:	Not established (pressurized mixture)
Specific Gravity:	0.788
Solubility (Water):	Negligible
VOC percentage by weight:	61
HAPS percentage by weight:	0

SECTION 10 Stability and reactivity

Chemical stability:	Stable under normal conditions.
Possibility of hazardous reactions:	Will not occur.
Conditions to avoid:	Keep away from heat, sparks, and flames.

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Incompatible materials: Strong oxidizing agents.

Hazardous decomposition products: By fire – Carbon Dioxide and Carbon Monoxide.

SECTION 11 Toxicological information

Likely Routes of Entry: Inhalation, Skin contact, Eye contact, Ingestion.

Skin Contact: Signs/symptoms may include localized redness, itching, drying and cracking of skin.

Inhalation: Intentional concentration and inhalation may be harmful or fatal.

Eye Contact: Signs/symptoms may include significant redness, swelling, pain, tearing, cloudy appearance of the cornea, and impaired visions.

Ingestion: Signs/symptoms may include abdominal pain, stomach upset, nausea, vomiting and diarrhea.

Target Organs Potentially Affected by Exposure: Central nervous system, kidneys, lungs, liver, eyes, skin, brain, respiratory tract, urinary tract, reproductive system, cardiovascular system.

Toxicological Data:

Component	LD50 Oral	LD50 Dermal	LC50 Inhalation
Petroleum Solvent	n/e	n/e	n/e
Propane	n/e	n/e	658 mg/L (rat) 4 h
N-Butane	n/e	n/e	30,957 mg/m ³ (rat) 4 h

SECTION 12 Ecological information

No data available.

SECTION 13 Disposal considerations

Dispose of container and its contents in accordance with federal, state and local regulations.
Do not puncture, incinerate or place container in trash compactor.

SECTION 14 Transport information

Ground (DOT / 49 CFR)

UN I.D. Number: UN1950 – Transport Hazard Class: 2.1, Packing Group: (not applicable)

Proper Shipping Name: AEROSOLS (“FLAMMABLE” is optional to add after AEROSOLS)

Hazard Label: Limited Quantity (LTD QTY) label – see 49 CFR 172.315

Shipping papers format: UN1950, AEROSOLS, 2.1, LTD QTY (can add “FLAMMABLE” after AEROSOLS)

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AIR (IATA):
UN I.D. Number: UN 1950 – Transport Hazard Class: 2.1, Packing Group: (not applicable)
Proper Shipping Name: AEROSOLS, FLAMMABLE, Packing Instructions: Y203
Hazard Labels: LTD QTY label with “Y” in it, and Flammable Gas label
Shipping papers format: UN1950, AEROSOLS, FLAMMABLE, 2.1 (Note LTD QTY not needed on Papers)

Water (IMDG):
UN I.D. Number: UN1950 – Transport Hazard Class: 2.1, Packing Group: (not applicable)
Proper Shipping Name: AEROSOLS Hazard label: LTD QTY label (see IMDG 3.4.5.1)
Packing Instruction: P003, LP02, EmS: F-D, S-U, Stowage and Segregation: Category A
Shipping papers format: UN1950, AEROSOLS, 2.1, (-18 C c.c.), LTD QTY

No component of this product is a listed Marine Pollutant (49 CFR 172.101, Appendix B)

SECTION 15 Regulatory information

International Chemical Inventory

All components of this product are listed on or exempt from the following inventories:
TSCA (United States), CEPA/DSL (Canada), AICS (Australia), IECSC (China)

SECTION 16 Other information

Revision Date: 2021-12-09

HMIS & NFPA Hazard Scale: 0 = minimal, 1 = slight, 2 = moderate, 3 = serious, 4 = severe

HMIS (American Coatings Association’s Hazardous Material Identification System):
Health = 2, Flammability = 4, Physical Hazard = 1

NFPA 704 (National Fire Protection Association’s Hazard Identification Ratings System):
Health = 2, Flammability = 4, Instability = 1

Disclaimer: This SDS is based on information believed to be reliable and accurate. Because of changing reporting requirements and other variables, it is impossible to guarantee with complete accuracy all the information contained in this document. It is the responsibility of the user to determine proper personal protection based on actual condition of use and to comply with all federal, state, and local laws and regulations.

Version Comments: Approved: R. Handy