

MATERIAL SAFETY DATA SHEET

Superior Shield Aerosol

FILE NO.: DM063
MSDS DATE: 02/15

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Superior Shield Aerosol
SYNONYMS: N/A
PRODUCT CODES: SKU20063

MANUFACTURER: Shield Products, Inc.
DIVISION: N/A
ADDRESS: 6010 NW 99 Avenue, Suite 110, Doral, Florida 33178

EMERGENCY PHONE: 904-880-6060
CHEMTREC PHONE: 1-800-424-9300
CHEMICAL NAME: Paint/Coating
CHEMICAL FAMILY: Aerosol

SECTION 1 NOTES:

SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

Chemical name	CAS #	OSHA PEL	NIOSH REL	ACGIH PEL	IDLH	% WT
Parachlorobenzotrifluoride	98-56-6	N/E	N/E	N/E	N/E	20-30
Oxibismethane	115-10-6	N/E	N/E	N/E	N/E	20-30
Acetone	67-64-1	1000 ppm	250 ppm	500 ppm	750 ppm	10-20
Xylene	1330-20-7	100 ppm	100 ppm	100 ppm	900 ppm	< 10
Methyl Alcohol	67-56-1	200 ppm	200 ppm	200 ppm	6000 ppm	< 1

SECTION 2 NOTES:

SECTION 3: HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW: CONTENTS EXTREMELY FLAMMABLE AND UNDER PRESSURE. STORE BELOW 120°F, OUT OF SUNLIGHT, AND AWAY FROM HEAT SOURCES. DO NOT PUNCTURE OR INCINERATE. AVOID CONTACT WITH SKIN AND EYES. VAPOR HARMFUL. HARMFUL OR FATAL IF SWALLOWED. INTENTIONAL MISUSE BY DELIBERATELY CONCENTRATING AND INHALING THE CONTENTS MAY BE HARMFUL OR FATAL.

ROUTES OF ENTRY: Skin, eyes, inhalation, or ingestion

POTENTIAL HEALTH EFFECTS

EYES: Liquid contact may cause pain along with moderate eye irritation.

SKIN: Prolonged or repeated exposure may cause skin irritation. Repeated contact may cause drying or flaking of skin. May cause more severe response if confined to skin.

INGESTION: Due to being an aerosol, the product does not lend itself to ingestion. Should ingestion occur, it may cause irritation to membranes of the mouth, throat, and gastrointestinal tract resulting in vomiting and/or cramps. Aspiration of vomit into the lungs may cause inflammation, and possible chemical pneumonitis, bronchopneumonia, or pulmonary edema.

INHALATION: Prolonged or repeated overexposure is anesthetic. May cause irritation of the respiratory tract, or acute nervous system depression characterized by headache, dizziness, staggering gait, confusion or death. Irritation of the mucous membranes, coughing, and dyspnoea are also possible.

CHRONIC HEALTH HAZARDS: Reports have associated repeated and prolonged occupational overexposure to solvents with irreversible brain and nervous system damage (sometimes referred to as "Solvent or Painter's Syndrome"). Intentional misuse by deliberately concentrating and inhaling this product may be harmful or fatal.

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MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: aggravate personnel with pre-existing disorders associated with any of the Target Organs.

CARCINOGEN DATA: Ethyl Benzene (a component of Xylene) is listed with IARC as Class 2B (possible human carcinogen) and with ACGIH as A3 (confirmed animal carcinogen with unknown relevance to humans). Ethyl Benzene is also listed with the State of California as a carcinogen. None of the other ingredients are considered carcinogenic by OSHA, IARC, NTP, NIOSH or ACGIH.

SECTION 3 NOTES:

SECTION 4: FIRST AID MEASURES

EYES: Immediately flush with plenty of clear water for at least 15 minutes. Make sure to flush under the eyelids. Consult a physician.

SKIN: Remove with soap and water. Consult a physician if irritation continues. If large skin area is affected, remove contaminated clothing.

INGESTION: Do not induce vomiting! Immediately have the victim drink plenty of water. Do not give milk or digestible oils. Keep airways free. Contact a physician. Never give anything by mouth if victim is rapidly losing consciousness, unconscious, or convulsing.

INHALATION: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Seek medical attention if symptoms persist or if unconscious.

SECTION 4 NOTES:

SECTION 5: FIRE-FIGHTING MEASURES

CONDITIONS OF FLAMMABILITY: Heat, sparks, flame, red hot metal

SUITABLE MEANS OF EXTINCTION: Water, CO₂, dry chemical, or universal aqueous film forming foam.

UNSUITABLE EXTINGUISHING MEDIA: N/Av

FLASH POINT AND METHOD OF DETERMINATION: Propellant < 0 F, Tagged Closed Cup

FLAMMABLE LIMITS: Lower (LEL): 1.8% @ 25 C Upper (UEL): 9.5% @ 25 C

AUTOIGNITION TEMPERATURE: N/Av

HAZARDOUS COMBUSTION PRODUCTS: Oxides of Carbon (CO, CO₂), smoke, and vapors as products of incomplete combustion.

EXPLOSION DATA - SENSITIVITY TO MECHANICAL IMPACT: N/Av

EXPLOSION DATA - SENSITIVITY TO STATIC DISCHARGE: N/Av

SPECIAL FIRE FIGHTING PROCEDURES: Use water spray to cool fire exposed aerosol containers, as contents can rupture violently from heat developed pressure. Firemen should wear self-contained breathing apparatus.

SPECIAL FIRE AND EXPLOSION HAZARDS: Contents extremely flammable and under pressure.

SECTION 5 NOTES:

SECTION 6: ACCIDENTAL RELEASE MEASURES

ACCIDENTAL RELEASE MEASURES:

CONTAINMENT PROCEDURES: Product is an aerosol, therefore spills and leaks are unlikely. In case of rupture, released content should be contained as any other solvent spill.

SPILL CLEANUP: Spills from aerosol cans are unlikely and are generally of small volume. Large spills are therefore not normally considered a problem. In case of actual rupture, avoid breathing vapors and ventilate area well. Remove sources of ignition and use non-sparking equipment. Soak up material with inert absorbent and place in safety containers for proper disposal.

SPECIAL INSTRUCTIONS: Aerosol products represent a limited hazard and will not spill or leak unless ruptured. In case of rupture contents are generally evacuated from the can rapidly. Area should be ventilated immediately and continuous ventilate provided until all fumes and vapors have been removed. Aerosol cans should never be incinerated or burned. See Section 13 for disposal.

REPORTING REQUIREMENTS: Spills due to the rupture of a single aerosol can are generally below any regulatory reporting requirements. However, if larger spills somehow result, the reporting requirements of all governing agencies should be observed.

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SECTION 6 NOTES:

SECTION 7: HANDLING AND STORAGE

HANDLING AND STORAGE: Avoid prolonged or repeated skin contact. Avoid breathing of vapors. Do not incinerate (burn) containers. Always replace overcap when not in use. Storage of individual cans should be done in an area below 120F, and away from heat sources. Ensure can is in a secure place to prevent knocking over and accidental rupture. For storage of pallet quantities, compliance with NFPA 30B (Manufacture and Storage of Aerosol Products) is recommended. This product is classified as a Level 1 Aerosol.

SECTION 7 NOTES:

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

EXPOSURE LIMIT VALUES: Since this product is a mixture, an exposure value is not available. In determination of any exposure procedures, protection, or testing, use the lowest rated ingredient from Section 2.

ENGINEERING AND EXPOSURE CONTROLS: General ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. Local exhaust ventilation or an enclosed handling system may be necessary to control air contamination below that of the lowest PEL rated ingredient from Section 2.

RESPIRATORY PROTECTION: A NIOSH approved respirator with an organic vapor cartridge may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits. If respirators are needed, compliance with OSHA standard 29 CFR 1910.134 is necessary within the United States.

SKIN AND HAND PROTECTION: For brief contact, no precautions other than clean body-covering clothing should be needed. When prolonged or repeated contact could occur, use protective clothing impervious to the ingredients listed in Section 2.

EYE PROTECTION: Safety glasses with side shields are recommended as a minimum for any type of industrial chemical handling. Where eye contact with this material could occur, chemical splash proof goggles are recommended.

SECTION 8 NOTES:

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

BOILING POINT:	N/D	MELTING/FREEZING POINT: ...	N/D
SPECIFIC GRAVITY (H ₂ O=1): ...	0.850 g/cc	COEFF. OF WATER/OIL DIST.:	.. N/D
VAPOR PRESSURE:	Approx 70 psig	pH:	Neutral
VAPOR DENSITY:	N/D	EVAPORATION RATE:	Rapid
PHYSICAL STATE:	Liquid Under Pressure	WATER SOLUBILITY:	N/D
P E R C E N T V O L A T I L E <u> </u>	77% Wt (79% Vol) Max	VOLATILITY:	1.936 lbs/gal (0.232 g/cc)
P E R C E N T V O C <u> </u>	33% Wt (39% Vol) Max	MIR VALUE:	0.836
VISCOSITY:	N/D	O D O R T H R E S H O L D <u> </u>	N/D
APPEARANCE:	Clear Liquid	ODOR:	Slight

SECTION 9 NOTES:

SECTION 10: STABILITY AND REACTIVITY

CONDITIONS OF INSTABILITY:..... N/Av

STABILITY: Stable

HAZARD POLYMERIZATION: Not expected to occur

MATERIAL INCOMPATIBILITY: Strong oxidizers, nitrates, alkalis, acids, chlorine, fluorine

CONDITIONS OF REACTIVITY: Heat, sparks, flame, red hot metal, strongly exothermic reaction with sodium dimethylsulfinate

DECOMPOSITION PRODUCTS: Oxides of carbon, hydrogen chloride and hydrogen fluoride fumes

SECTION 10 NOTES:

SECTION 11: TOXICOLOGICAL INFORMATION

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LD50 AND LC50 SPECIES/ROUTE INFORMATION:

INGREDIENT	ORAL LD50	DERMAL LD50	INHALATION LC50
Parachlorobenzotrifluoride	13 g/kg, rat	>2000 mg/kg, rabbit	33 mg/l /4hr, rat
Oxibismethane	N/Av	N/Av	164 mg/l /4hr, rat
Acetone	5800 mg/kg, rat	20000 mg/kg, rabbit	76 mg/l /4hr, rat
Xylene	2840 mg/kg, rat	4500 mg/kg, rabbit	6300 mg/l /4hr, rat
Methyl Alcohol	5628 mg/kg, rat	15800 mg/kg, rabbit	64000 ppm /4hr, rat

IRRITANCY OF PRODUCT:

The following chemicals are considered Eye Irritants: Parachlorobenzotrifluoride and Acetone.

The following are considered Skin Irritants: Parachlorobenzotrifluoride and Xylene.

The following are Respiratory Irritants: Parachlorobenzotrifluoride

SENSITIZATION TO PRODUCT: N/Av

REPRODUCTIVE TOXICITY: N/Av

TERATOGENICITY: N/Av

MUTAGENICITY: N/Av

SYNERGISTIC PRODUCTS: N/Av

SECTION 11 NOTES:

SECTION 12: ECOLOGICAL INFORMATION

ECOTOXICITY:

INGREDIENT	FISH LC50	DAPHNIA EC50	ALGAL IC50	BACTERIAL EC50
Parachlorobenzotrifluoride	13.5 mg/l /96 hr	3.68 mg/l /24 hr	N/Av	N/Av
Oxibismethane	N/Av	N/Av	N/Av	N/Av
Acetone	8300 mg/l /96 hr	12600 mg/l /48 hr	7500 mg/l /8 day	530 mg/l /8 day
Xylene	14 mg/l /96 hr	165 mg/l /24 hr	N/Av	N/Av
Methyl Alcohol	15400 mg/l /96 hr	>10000 mg/l /48hr	N/Av	N/Av

MOBILITY: N/Av

PERSISTANCE: N/Av

DEGRADIBILITY: N/Av

BIOACCUMULATION: N/Av

OTHER ECOLOGIC DATA:Do not allow to enter waters, waste water, or soil.

EFFECT ON OZONE LAYER: .. This product does not contain any ozone depleting ingredients.

SECTION 12 NOTES:

SECTION 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: Hazard characteristics and regulatory waste stream classification can change with product use and location. Accordingly, it is the responsibility of the user to determine the proper storage, transportation, treatment, and/or disposal methodologies for spent materials and residues at the time of disposition. All waste material must be disposed of in compliance with the respective national, federal, state, and/or local regulations.

In the United States, an aerosol container that does not contain a significant amount of liquid would meet the definition of scrap metal (40 CFR 261.1(c)(6)), and would be exempt from RCRA regulation under 40 CFR 261.6(a)(3)(iv) if it is to be recycled. If containers are to be disposed of (not recycled) it must be managed under all applicable RCRA and state regulations.

SECTION 13 NOTES:

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SECTION 14: TRANSPORT INFORMATION

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DOT SHIPPING INFORMATION (United States)

PROPER SHIPPING NAME: Consumer Commodity
HAZARD CLASS: ORM-D
PACKAGING GROUP: None
UN or ID NUMBER: None

ICAO/IATA SHIPPING INFORMATION (International Air)

PROPER SHIPPING NAME: Consumer Commodity
HAZARD CLASS: 9
PACKAGING GROUP: None
UN or ID NUMBER: ID8000

TDG SHIPPING INFORMATION (Canada)

PROPER SHIPPING NAME: . Aerosols, Flammable Ltd Qty
HAZARD CLASS: 2
PACKAGING GROUP: -
UN or ID NUMBER: UN1950

ADR SHIPPING INFORMATION (European Union)

PROPER SHIPPING NAME: Aerosols, Limited Quantity
ADR CLASS: 2
PACKAGING GROUP: -
UN or ID NUMBER: UN1950
CLASSIFICATION CODE: LQ1
HAZARD ID NO.: -

IMDG SHIPPING INFORMATION (International Ocean)

PROPER SHIPPING NAME: . Aerosols, Limited Quantity
CLASS: 2
PACKAGING GROUP: -
SUBSIDIARY RISK(S): -
UN or ID NUMBER: UN1950
PACKING INSTRUCTIONS: . P003
EmS NO.: F-D, S-U
STOWAGE: Category A
M F A G N O . : . 620

NMFC DESCRIPTION (United States)

ITEM DESCRIPTION: Paint Related Material
ITEM NO.: 149980 Sub 2
CLASS: 55

NORTH AMERICAN EMERGENCY RESPONSE GUIDE

ID NUMBER: 8000
GUIDE NUMBER: 171

SECTION 14 NOTES:

SECTION 15: REGULATORY INFORMATION

UNITED STATES - FEDERAL:

I N G R E D I E N T	CAS NO	TSCA	RCRA	CERCLA	SARA 313	CAA	CWA
Parachlorobenzotrifluoride	98-56-6	/	-	-	-	-	-
Oxibismethane	115-10-6	/	-	-	-	-	-
Acetone	67-64-1	/	U002	5000#	-	-	-
Xylene	1330-20-7	/	U239	100#	7 %	HAP	100#
Methyl Alcohol	67-56-1	/	U154	5000#	< 1 %	HAP	-

SECTION 15 NOTES:

SECTION 16: OTHER INFORMATION

OTHER INFORMATION:

PREPARATION INFORMATION:

DISCLAIMER: