

Material Safety Data Sheet (MSDS)

Issue Date: December 15, 2008
Replaces MSDS dated June 17, 2004

MSDS #: 08-001

Section 1 – Chemical Product & Company Identification

Product Name: Black Widow™
Trade Names: None
Synonyms: None
Product Type: Fire Extinguishing Powder
Formulation: Proprietary

Manufacturer
Firetrace Aerospace, LLC
15690 N. 83rd Way, Suite B
Scottsdale, AZ 85260
Tel.: (480) 607-2709

EMERGENCY Phone No.: (800) 662-2927

Section 2 – Hazards Identification / Emergency Overview

Hazard Ratings*

	<u>NPCA/HMIS</u>	<u>NFPA 704</u>
Health:	1	1
Flammability:	0	0
Reactivity:	0	0

Rating Key

- 0 = minimal
- 1 = slight
- 2 = moderate
- 3 = serious
- 4 = severe

* See Section 16 for abbreviations used in this MSDS

Potential Health Effects: Inhalation

This product may cause dryness and irritation (via mechanical action) to the mucous membranes lining the respiratory tract.

Potential Health Effects: Skin

This product may cause slight irritation to the skin via mechanical action.

Potential Health Effects: Ingestion

This product may cause severe irritation to the gastrointestinal tract.

Potential Health Effects: Eyes

This product may cause irritation of the eyes via mechanical action.

Chronic Toxicity: Not Determined

Exposure Limits: Although exposure limits have not yet been established for this material, the OSHA limit for respirable particulates of 5 mg/m³ is recommended.

Aggravation of Pre-Existing Conditions: None Known

Carcinogenic: IARC – No
NTP – No
OSHA – No

Section 3 – Composition / Information on Ingredients

The following ingredients in this material are considered to be hazardous* by the OSHA (Hazard Communication Standard 29 CFR 1910):

<u>Chemical</u>	<u>CASRN</u>	<u>%</u>	<u>Exposure Limits</u>	
			<u>OSHA PEL</u>	<u>ACGIH TLV</u>
Silicon Dioxide (amorphous)	7631-86-9	1.05	80.0 mg/m ³	10.0 mg/m ³
Quartz	1317-95-9	1.05	10.0 mg/m ³	0.05 mg/m ³

*Although iron oxide fumes are also considered to be hazardous by OSHA, the iron oxides in this material are not expected to produce significant amounts of fumes.

Section 4 – First Aid Measures

First Aid: Inhalation

Remove affected person from dusty area to fresh air. If breathing becomes difficult administer oxygen if available and call a physician.

First Aid: Ingestion

If affected person is conscious, administer plenty of water, induce vomiting and call a physician.

First Aid: Skin

Immediately flush affected area with plenty of water for at least 15 minutes. Remove contaminated clothing including shoes. If irritation develops, get medical help. Wash clothing before re-use.

First Aid: Eyes

Immediately flush eyes with copious amounts of water for at least 15 minutes. If irritation develops, get medical help.

Section 5 – Fire Fighting Measures

General Fire Hazards

The material itself is a fire extinguishing agent and will not burn.

Extinguishing Media

Use appropriate methods for the surrounding fire.

Fire-fighting Procedures/Equipment

Wear protective clothing, including helmet and face mask.

Hazardous Combustion Products

None

Unusual Fire/Explosion Hazards

None

Section 6 – Accidental Release Measures

Containment Procedures

Avoid breathing in dust. Stop the flow of material, if this is without risk.

Clean-Up Procedures

Vacuum or sweep up material (avoid generating dusts), place material in appropriately marked container for disposal. Dispose of contents (including the waste container) in full compliance with all applicable federal, state/provincial and local regulations.

Section 7 – Handling & Storage

Handling Procedures

Avoid generating dusts and use this material in presence of adequate ventilation.

Storage Procedures

Store this material in a tightly closed container, away from sources of moisture and at ambient temperatures.

Section 8 – Exposure Controls / Personal Protection

Exposure Controls

Use product in presence of adequate ventilation.

Personal Protection

Nearby eye wash stations and washing facilities are highly recommended. When appropriate, wear NIOSH-approved dust mask, eye protection (safety glasses or goggles) and rubber, cloth or plastic gloves when using this product.

Section 9 – Physical / Chemical Properties

Appearance/State: Off White Powder

Specific Gravity: >1.0

Solubility (Water): insoluble (organics): insoluble

Freezing Point: NA

Vapor Pressure: NA

% Volatiles by Volume: NA

Odor: Ammonia (slight)

pH: ND

Melting Point: ND

Boiling Point: NA

Density: ND

Viscosity: NA

Section 10 – Chemical Stability / Reactivity

Chemical Stability

This material is stable and non-reactive with other materials expected to be encountered in the workplace or the environment.

Chemical Reactivity

No known polymerization or decomposition products.

Section 11 – Toxicological Information

Acute Toxicity

Acute oral LD₅₀ of chemically identical product is >5,000 mg/kg. Acute LD₅₀ and LC₅₀ values have not been determined for this material, it is not expected to be toxic via dermal contact, inhalation or ingestion or be corrosive. It may be irritating to the skin, eyes or mucous membranes (via mechanical action and dehydration)

Chronic Toxicity

This material is not expected to cause chronic toxicity because significant amounts of this powder are not expected to be inhaled into the lungs to cause chronic toxic effects.

Section 12 – Ecological Information

Eco-toxicity

This material is not expected to cause significant adverse effects to the environment.

Components of this product are not biomagnified or bio-concentrated in the environment.

Section 13 – Disposal Considerations

This material may be disposed in a municipal landfill.

Section 14 – Transportation Information

This product is not regulated by the US Department of Transportation

Section 15 – Regulatory Information

Note: This regulatory information included here should not necessarily be considered all-inclusive. This product is not subject to the reporting requirements of the CERCLA, the SARA, the RCRA, the Clean Air Act and the Clean Water Act (US). This product is not formulated with, nor do the manufacturing or formulation processes utilize any Class I or II Ozone depleting substances. All components of this product are on the TSCA Inventory or are exempt from TSCA inventory requirements.

Section 16 – Other Information

The recommendations and information contained in this MSDS have been compiled from sources believed to represent the most current information available when the MSDS was prepared. However, the manufacturer/distributor of this product does not provide any warranty, guaranty or representation as to the correctness or sufficiency of this information. If this material is to be used in large amounts and/or an unusual manner, the user is obliged to determine what safety measures are appropriate, including the applicable and relevant workplace and environmental regulations pertaining to handling, use and disposal.

Abbreviations used in this MSDS

ACGIH = American Conference of Governmental Industrial Hygienists

CERCLA = Comprehensive Environmental Response Compensation and Liability Act

CFR = Code of Federal Regulations

NA = Not Applicable

ND = Not Determined

IARC = International Agency for Research on Cancer

NA = Not Applicable

ND = Not Determined

NFPA = National Fire Protection Association

NPCA/HMIS = National Paint & Coatings Association's Hazardous Materials Information System

NTP = National Toxicology Program

OSHA = Occupational Safety & Health Administration

PEL = Permissible Exposure Limit

RCRA = Resource Conservation and Recovery Act

SARA = Superfund Amendments Reauthorization Act

TLV = Threshold Limit Value

MSDS Prepared by



M.J. Norvell, Ph.D., DABT

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Date