



Material Safety Data Sheet

1. PRODUCT AND COMPANY IDENTIFICATION

Product Identification

Product ID: S2-FX03
Product Name: METALUME MEDIUM BC FX
Product Use: Paint product.
Print date: 20/Feb/2015
Revision Date: 20/Feb/2015

Company Identification

The Valspar Corporation
PO Box 1461
Minneapolis, MN 55440

Manufacturer's Phone: 1-612-851-7000

24-Hour Medical Emergency Phone: 1-888-345-5732

2. HAZARDS IDENTIFICATION

Primary Routes of Exposure:

Inhalation
Ingestion
Skin absorption

Eye Contact:

- Moderate eye irritation

Skin Contact:

- Causes skin irritation.

Ingestion:

- Irritation of the mouth, throat, and stomach.

Inhalation:

- Causes respiratory tract irritation.

- Harmful by inhalation.

Target Organ and Other Health Effects:

- Causes headache, drowsiness or other effects to the central nervous system.
- Liver injury may occur.

This product contains ingredients that may contribute to the following potential chronic health effects:

- Notice: Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal.

3. COMPOSITION / INFORMATION ON HAZARDOUS INGREDIENTS

| Ingredient Name CAS-No. | Approx. Weight % | Chemical Name |
|-------------------------------|---------------------|---------------------------|
| METHYL ACETATE 79-20-9 | 35 - 40 | Acetic acid, methyl ester |
| PROPRIETARY ADDITIVE | 35 - 40 | PROPRIETARY ADDITIVE |
| ALUMINUM 7429-90-5 | 5 - 10 | Aluminum |
| STODDARD SOLVENT 8052-41-3 | 1 - 5 | Stoddard solvent |

If this section is blank there are no hazardous components per OSHA guidelines.

4. FIRST AID MEASURES

Eye Contact:

Get medical attention, if symptoms develop or persist. Immediately flush eye(s) with plenty of water. Remove any contact lenses and open eyes wide apart.

Skin Contact:

Remove contaminated clothing and shoes. Wash off immediately with plenty of water for at least 15 minutes. Get medical attention, if symptoms develop or persist.

Ingestion:

Rinse mouth with water. Give one or two glasses of water. Only induce vomiting at the instruction of medical personnel. Get medical attention.

Inhalation:

Move injured person into fresh air and keep person calm under observation. Get medical attention immediately.

Medical conditions aggravated by exposure:

Any respiratory or skin condition.

5. FIRE FIGHTING MEASURES

| | |
|----------------------------|----------------|
| Flash point (Fahrenheit): | 4 |
| Flash point (Celsius): | -16 |
| Lower explosive limit (%): | 1 |
| Upper explosive limit (%): | 16 |
| Autoignition temperature: | not determined |
| Sensitivity to impact: | no |

5. FIRE FIGHTING MEASURES

Sensitivity to static discharge:

Subject to static discharge hazards. Please see bonding and grounding information in Section 7.

Hazardous combustion products:

See Section 10.

Unusual fire and explosion hazards:

None known.

Extinguishing media:

Carbon dioxide, dry chemical, foam and/or water fog.

Fire fighting procedures:

Firefighters should be equipped with self-contained breathing apparatus and turn out gear. Keep containers and surroundings cool with water spray.

6. ACCIDENTAL RELEASE MEASURES

Action to be taken if material is released or spilled:

Remove all sources of ignition. Soak up with inert absorbent material. Use only non-sparking tools. Wipe, scrape or soak up in an inert material and put in a container for disposal. See section 7, "Handling and Storage", for proper container and storage procedures. Avoid contact with eyes.

7. HANDLING AND STORAGE

Precautions to be taken in handling and storage:

This coating contains aluminum pigment, store in a dry area. Aluminum may react with water, acids and caustics slowly producing gas and heat. In a sealed drum this may cause a pressure build-up over a period of time and drum should be vented before opening. Keep away from heat, sparks and open flame. - No smoking. Keep container closed when not in use. Do not store above 120 degrees F. (49 degrees C). Based on flash point and vapor pressure, suitable storage should be provided in accordance with OSHA regulation 1910.106, Ontario OH&S regulation 851 section 22. Empty containers may contain product residue, including flammable or explosive vapors. Do not cut, puncture or weld on or near container. All label warnings must be observed until the container has been commercially cleaned or reconditioned. If the product is used near or above the flashpoint, an ignition hazard may be present. Activities, uses, or operations which liberate vapor (such as mixing or free fall of liquids) may also present an ignition hazard. Please ensure containers and other interconnected equipment are properly bonded and grounded at all times.

8. PERSONAL PROTECTIVE EQUIPMENT AND EXPOSURE CONTROLS

Personal Protective Equipment

Eye and face protection:

Wear safety glasses or goggles to protect against exposure.

Skin protection:

Appropriate chemical resistant gloves should be worn.

Other Personal Protection Data:

Usual industrial work clothes.

Respiratory protection:

If exposure cannot be controlled below applicable limits, use the appropriate NIOSH approved respirator such as an air purifying respirator with organic vapor cartridge and dust/mist filter. Consult the respirator manufacturer's literature to ensure that the respirator will provide adequate protection. Read and follow all respirator manufacturer's instructions.

Ventilation

Use only in well-ventilated areas. Ensure adequate ventilation, especially in confined areas. Ovens used for curing should contain a fresh air purge to prevent vapours from accumulating and creating a possible explosive mixture. Where the product is used in a hazardous classified area, use explosion-proof electrical/ventilating/lighting/equipment.

Exposure Guidelines

OSHA Permissible Exposure Limits (PEL's)

| Ingredient Name CAS-No. | Approx. Weight % | TWA (final) | Ceilings limits (final) | Skin designations |
|-------------------------------|---------------------|--|-------------------------|-------------------|
| METHYL ACETATE 79-20-9 | 35 - 40 | 200 ppm TWA 610 mg/m ³ TWA | | |
| PROPRIETARY ADDITIVE | 35 - 40 | 2.5 mg/m ³ TWA F | | |
| ALUMINUM 7429-90-5 | 5 - 10 | 15 mg/m ³ TWA dust total 5 mg/m ³ TWA respirable fraction | | |
| STODDARD SOLVENT 8052-41-3 | 1 - 5 | 2900 mg/m ³ TWA 500 ppm TWA | | |

ACGIH Threshold Limit Value (TLV's)

| Ingredient Name CAS-No. | Approx. Weight % | TWA | STEL | Ceiling limits | Skin designations |
|-------------------------------|---------------------|--|--------------|----------------|----------------------|
| METHYL ACETATE 79-20-9 | 35 - 40 | 200 ppm TWA | 250 ppm STEL | | |
| PROPRIETARY ADDITIVE | 35 - 40 | 2.5 mg/m ³ TWA F | | | |
| ALUMINUM 7429-90-5 | 5 - 10 | 1 mg/m ³ TWA respirable fraction | | | |
| STODDARD SOLVENT 8052-41-3 | 1 - 5 | 100 ppm TWA | | | |

9. PHYSICAL PROPERTIES

| | |
|---|--------------------------------|
| Odor: | Normal for this product type. |
| Physical State: | liquid |
| pH: | not determined |
| Vapor pressure: | 163.1578947 mmHg @ 68°F (20°C) |
| Vapor density (air = 1.0): | 6.2 |
| Boiling point: | 134.366°F (57°C) |
| Solubility in water: | not determined |
| Coefficient of water/oil distribution: | not determined |
| Density (lbs per US gallon): | 9.5 |
| Specific Gravity: | 1.14 |
| Evaporation rate (butyl acetate = 1.0): | 11.8 |
| Flash point (Fahrenheit): | 4 |
| Flash point (Celsius): | -16 |
| Lower explosive limit (%): | 1 |
| Upper explosive limit (%): | 16 |
| Autoignition temperature: | not determined |

10. STABILITY AND REACTIVITY

| | |
|----------------------|--|
| Stability: | Stable under normal conditions. |
| Conditions to Avoid: | This product may react with water, acids, and caustics, slowly producing gas and heat. Heat. |
| Incompatibility: | Strong oxidizing agents |

10. STABILITY AND REACTIVITY

Hazardous Polymerization:

None anticipated.

Hazardous Decomposition Products:

Carbon monoxide and carbon dioxide. Halogenated compounds Metal oxide fumes.

Sensitivity to static discharge:

Subject to static discharge hazards. Please see bonding and grounding information in Section 7.

11. TOXICOLOGICAL INFORMATION

| Ingredient Name CAS-No. | Approx. Weight % | NIOSH - Selected LD50s and LC50s |
|----------------------------|---------------------|--|
| METHYL ACETATE 79-20-9 | 35 - 40 | = 16000 ppm Inhalation LC50 Rat 4 h > 2000 mg/kg Dermal LD50 Rat > 5000 mg/kg Dermal LD50 Rabbit > 5000 mg/kg Oral LD50 Rat |
| PROPRIETARY ADDITIVE | 35 - 40 | Inhalation LC50 Rat 33 mg/L 4 h Oral LD50 Rat 13 g/kg Dermal LD50 Rabbit >2 mL/kg |

Mutagens/Teratogens/Carcinogens:

12. ECOLOGICAL DATA

No information on ecology is available.

13. DISPOSAL CONSIDERATIONS

Disposal should be made in accordance with federal, state and local regulations.

14. TRANSPORTATION INFORMATION

U.S. Department of Transportation

UN ID Number (msds): UN1263
Proper Shipping Name: PAINT
Hazard Class: 3
Packing Group: II

U.S Hazmat and/or International DG shipment exceptions

The supplier may apply one of the following exceptions: Combustible Liquid, Consumer Commodity, Limited Quantity, Viscous Liquid, Does Not Sustain Combustion, or others, as allowed under 49CFR Hazmat Regulations. Please consult 49CFR Subchapter C to ensure that subsequent shipments comply with these exceptions.

Reportable Quantity Description:

International Air Transport Association (IATA):

UN/ID No: UN1263
Proper shipping name: Paint
Hazard Class: 3
Packing Group: II

International Maritime Organization (IMO):

UN/ID No: UN1263
Proper shipping name: PAINT
Hazard Class: 3
Packing Group: II

15. REGULATORY INFORMATION**U.S. FEDERAL REGULATIONS:**

| Ingredient Name CAS-No. | Approx. Weight % | SARA 302 | SARA 313 | CERCLA RQ in lbs. |
|----------------------------|---------------------|----------|--|-------------------|
| ALUMINUM 7429-90-5 | 5 - 10 | | Form R reporting required for 1.0 % de minimis concentration | |

SARA 311/312 Hazard Class:

Acute: yes
Chronic: yes
Flammability: yes
Reactivity: no
Sudden Pressure: no

U.S. STATE REGULATIONS:**Right to Know:**

The specific chemical identity of a component may be withheld as a trade secret under 34 Pennsylvania Code, Chapter 317.

Pennsylvania Right To Know:

| | |
|----------------------|--------------|
| PROPRIETARY ADDITIVE | Trade Secret |
| METHYL ACETATE | 79-20-9 |
| ALUMINUM | 7429-90-5 |
| STODDARD SOLVENT | 8052-41-3 |

Additional Non-Hazardous Materials

| | |
|-------------------|--------------|
| PROPRIETARY RESIN | Trade Secret |
| PROPRIETARY RESIN | Trade Secret |

Rule 66 status of product

Not photochemically reactive.

INTERNATIONAL REGULATIONS - Chemical Inventories**US TSCA Inventory:**

All components of this product are in compliance with U.S. TSCA Chemical Substance Inventory Requirements.

Canada Domestic Substances List:

Not all components in this product are listed on the Domestic Substances List.

16. OTHER INFORMATION**HMIS Codes**

Health: 2*
Flammability: 3
Reactivity: 1
PPE: X - See Section 8 for Personal Protective Equipment (PPE).

Abbreviations:

OSHA - Occupational Safety and Health Administration, IARC - International Agency for Research on Cancer, NIOSH - National Institute of Occupational Safety and Health, NTP - National Toxicology Program, ACGIH - American Conference of Governmental Industrial Hygienists, SCAQMD - South Coast Air Quality Management District, TSCA - Toxic Substances Control Act, IATA - International Air Transport Association, IMO - International Maritime Organization, DOT - Department of Transportation, NA - Not applicable, NOT ESTAB - Not established, N.A.V. - Not available, RQ - Reportable quantity, WT - Weight, MG/CU M - Milligrams per cubic meter, G/L - Grams per liter, MM - Millimeters, MPpcf - Millions of particles per cubic foot, PPM - parts per million, PPT - parts per thousand, TCC/PM - Tag closed cup / Pensky-Martens, PB - Lead, PEL - Permissible exposure level, TWA - Time Weighted Average, STEL - Short term exposure limit, C - Celsius, F - Fahrenheit.

Disclaimer:

The data on this sheet represent typical values. Since application variables are a major factor in product performance, this information should serve only as a general guide. Valspar assumes no obligation or liability for use of this information. UNLESS VALSPAR AGREES OTHERWISE IN WRITING, VALSPAR MAKES NO WARRANTIES, EXPRESS OR IMPLIED, AND DISCLAIMS ALL IMPLIED WARRANTIES INCLUDING WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR FREEDOM FROM PATENT INFRINGEMENT. VALSPAR WILL NOT BE LIABLE FOR ANY SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES. Your only remedy for any defect in this product is the replacement of the defective product, or a refund of its purchase price, at our option. This MSDS contains additional information required by the state of Pennsylvania.

Preparation Information:

| | |
|----------------|-------------------------------|
| Prepared By: | Regulatory Affairs Department |
| Print date: | 20/Feb/2015 |
| Revision Date: | 20/Feb/2015 |