

# The Valspar Corporation Material Safety Data Sheet

## 1. PRODUCT AND COMPANY IDENTIFICATION

### Material Identification

**Product ID:** UFC01  
**Product Name:** POLYURETHANE FLO-KLEAR  
**Product Use:** Paint product.  
**Print date:** 25/Aug/2005  
**Revision Date:** 15/Feb/2005

### Company Identification

The Valspar Corporation The Valspar Corporation - Packaging Division  
 210 CROSBY  
 PICAYUNE, MS 39466  
**Manufacturer's Phone:** 1-601-798-4731

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

## 2. COMPOSITION / INFORMATION ON HAZARDOUS INGREDIENTS

Common Name CAS-No.	Approx. Weight %	Chemical name
BUTYL ACETATE 123-86-4	25 - 30	n-Butyl acetate
ETHYL 3- ETHOXYPROPIONATE 763-69-9	5 - 10	Ethyl 3-ethoxypropionate
XYLENE 1330-20-7	1 - 5	Xylenes (o-, m-, p- isomers)
AROMATIC NAPHTHA, HEAVY 64742-94-5	1 - 5	SOLVENT NAPHTHA, PETROLEUM, HEAVY AROM
PROPRIETARY ADDITIVE	1 - 5	PROPRIETARY ADDITIVE
AROMATIC NAPHTHA, LIGHT 64742-95-6	1 - 5	Petroleum naphtha, light aromatic
ETHYLENE GLYCOL MONOBUTYL ETHER ACETATE 112-07-2	1 - 5	Ethylene glycol monobutyl ether acetate
1,2,4-TRIMETHYLBENZENE 95-63-6	1 - 5	PSEUDO CUMENE
ETHYLBENZENE 100-41-4	.1 - 1	Ethyl benzene
NAPHTHALENE 91-20-3	.1 - 1	Naphthalene

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

## 3. HAZARDS IDENTIFICATION

**Primary Routes of Exposure:**

Inhalation  
Ingestion  
Skin absorption

**Emergency Overview:**

This section not in use.

**This product contains ingredients that may contribute to the following potential acute health effects:****Inhalation Effects:**

Harmful if inhaled. May affect the brain, nervous system, or respiratory system, causing dizziness, headache, nausea or respiratory irritation.

**Eye Contact:**

May cause moderate eye irritation.

**Skin Contact:**

Harmful if absorbed through the skin.

**Acute Ingestion:**

None known

**Other Effects:**

May cause liver damage. May cause kidney damage.

**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. May cause eye damage and pain. Contains glycol ether which has been shown to cause blood effects damage in laboratory animals. May cause liver damage.

See Section 11 for toxicological information about Mutagens, Teratogens and Carcinogens.

If this section is blank, no information is available.

## 4. FIRST AID MEASURES

**Inhalation:**

If affected by inhalation, move victim to fresh air. If symptoms persist, seek medical attention.

**Eye Contact:**

In case of contact, or suspected contact, immediately flush eyes with plenty of water for at least 15 minutes and get medical attention immediately after flushing.

**Skin Contact:**

In case of contact, immediately flush skin with plenty of soap and water for at least 15 minutes. If irritation persists get medical attention. Remove contaminated clothing and shoes. Wash clothing before reuse. Thoroughly clean contaminated shoes.

**Ingestion:**

If swallowed, contact medical personnel immediately to determine best course of action.

**Medical conditions aggravated by exposure:** Any respiratory or skin condition.

## 5. FIRE FIGHTING MEASURES

Flash point (Fahrenheit):	45° F ( 7° C) TCC/PM
Lower explosive limit:	1 %

Upper explosive limit:	8 %
Autoignition temperature:	Not available. ° F ( ° C)
Sensitivity to impact:	No.
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:**

Use water spray to cool nearby containers and structures exposed to fire. Firefighters should be equipped with self-contained breathing apparatus and turn out gear.

**6. ACCIDENTAL RELEASE MEASURES**

**Action to be taken if material is released or spilled:**

Ventilate area. Avoid breathing of vapors. Use self-containing breathing apparatus or airmask for large spills in a confined area. Wipe, scrape or soak up in an inert material and put in a container for disposal. See section 5, "Unusual Fire and Explosion Hazards", for proper container and storage procedures. Remove sources of ignition. Remove with inert absorbent and non sparking tools. Avoid contact with eyes.

**7. HANDLING AND STORAGE**

**Precautions to be taken in handling and storage:**

Keep away from heat, sparks, and flames. 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:**

Avoid contact with eyes. Wear chemical goggles if there is the possibility of contact or splashing in the eye.

**Skin protection:**

Appropriate chemical resistant gloves should be worn. To prevent skin contact wear protective clothing covering all exposed areas.

**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**

Required when spraying or applying in confined area. Ventilation equipment should be explosion proof. Eliminate ignition sources.

**Exposure Guidelines**

## OSHA Permissible Exposure Limits (PEL's)

Common Name CAS-No.	Approx. Weight %	TWA (final)	Ceilings limits (final)	Skin designations
BUTYL ACETATE 123-86-4	25 - 30	710 mg/m <sup>3</sup> 150 ppm		
XYLENE 1330-20-7	1 - 5	435 mg/m <sup>3</sup> 100 ppm		
ETHYLBENZENE 100-41-4	.1 - 1	435 mg/m <sup>3</sup> 100 ppm		
NAPHTHALENE 91-20-3	.1 - 1	50 mg/m <sup>3</sup> 10 ppm		

## ACGIH Threshold Limit Value (TLV's)

Common Name CAS-No.	Approx. Weight %	TWA	STEL	Ceiling limits	Skin designations
BUTYL ACETATE 123-86-4	25 - 30	150 ppm	200 ppm		
XYLENE 1330-20-7	1 - 5	100 ppm	150 ppm		
ETHYLENE GLYCOL MONOBUTYL ETHER ACETATE 112-07-2	1 - 5	20 ppm			
1,2,4-TRIMETHYLBENZENE 95-63-6	1 - 5	25 ppm			
ETHYLBENZENE 100-41-4	.1 - 1	100 ppm	125 ppm		
NAPHTHALENE 91-20-3	.1 - 1	10 ppm	15 ppm		Can be absorbed through the skin.

If this section is blank, no information is available.

## 9. PHYSICAL PROPERTIES

Odor:	Normal for this product type.
Physical State:	Liquid
pH:	Not determined.
Vapor pressure:	8 mmHG @ 68° F ( 20° C)
Vapor density (air = 1.0):	5.5
Boiling point:	259° F ( 126° C)
Solubility in water:	Insoluble.
Coefficient of water/oil distribution:	Not determined.
Density (lbs per US gallon):	8.33
Specific Gravity	1
Evaporation rate (butyl acetate = 1.0):	1

## 10. STABILITY AND REACTIVITY

Stability	Stable
Conditions to Avoid:	None known.
Incompatibility:	Strong oxidizers.
Hazardous Polymerization:	None anticipated.
Hazardous Decomposition Products:	Carbon monoxide and carbon dioxide.

**Sensitivity to static discharge:**

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

## 11. TOXICOLOGICAL INFORMATION

**Mutagens:**

**Teratogens:**

**Carcinogens:**

Contains ethylbenzene, which has been determined by NTP to be an animal carcinogen with no known relevance to humans. IARC has classified ethylbenzene as possibly carcinogenic to humans (2b) on the basis of sufficient evidence of carcinogenicity in laboratory animals but inadequate evidence of cancer in humans. Possible cancer hazard. Contains ingredients which may cause cancer based on animal data. Risk to your health depends upon the level and duration of exposure.

Common Name CAS-No.	Approx. Weight %	IARC Group 1 - Human Evidence	IARC Group 2A - limited human data	IARC Group 2b - sufficient animal data
ETHYLBENZENE 100-41-4	.1 - 1			Monograph 77, 2000
NAPHTHALENE 91-20-3	.1 - 1			POSSIBLY CARCINOGENIC IN HUMANS BASED ON ANIMAL STUDIES

Common Name CAS-No.	Approx. Weight %	NTP Known carcinogens	NTP Suspect carcinogens	NTP Evidence of carcinogenicity
ETHYLBENZENE 100-41-4	.1 - 1			male rat-clear evidence; female rat-some evidence; male mice- some evidence; female mice-some evidence

Common Name CAS-No.	Approx. Weight %	OSHA Select carcinogens	OSHA Possible select carcinogens	ACGIH Carcinogens
ETHYLENE GLYCOL MONOBUTYL ETHER ACETATE 112-07-2	1 - 5			Group A3 Confirmed animal carcinogen with unknown relevance to humans.
ETHYLBENZENE 100-41-4	.1 - 1			Group A3 Confirmed animal carcinogen with unknown relevance to humans.

If this section is blank, no information is available.

## 12. ECOLOGICAL DATA

Not available at this time.

## 13. DISPOSAL CONSIDERATIONS

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

## 14. TRANSPORTATION INFORMATION

### U.S. Department of Transportation

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

### 49 CFR Hazardous Material Regulations Parts 100-180

The supplier will apply the combustible liquid exception in 49 CFR 173.150(f), limited quantity or "does not sustain combustion" exceptions and consumer commodity rules, when authorized. Please check 49 CFR Parts 100-180 to determine if the use of these exceptions applies to your shipments when re-shipping our products.

### International Air Transport Association:

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

### International Maritime Organization:

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

## 15. REGULATORY INFORMATION

### U.S. FEDERAL REGULATIONS:

Common Name CAS-No.	Approx. Weight %	SARA 302	SARA 313	CERCLA RQ IN LBS.
BUTYL ACETATE 123-86-4	25 - 30			5000
XYLENE 1330-20-7	1 - 5		form R reporting required for 1.0% de minimis concentration	100
ETHYLENE GLYCOL MONOBUTYL ETHER ACETATE 112-07-2	1 - 5		YES	
1,2,4-TRIMETHYLBENZENE 95-63-6	1 - 5		form R reporting required for 1.0% de minimis concentration	
ETHYLBENZENE 100-41-4	.1 - 1		form R reporting required for 1.0% de minimis concentration	1000
NAPHTHALENE 91-20-3	.1 - 1		form R reporting required for 1.0% de minimis concentration	100

### SARA 311/312 Hazard Class:

Acute: Yes  
 Chronic: Yes  
 Flammability: Yes  
 Reactivity: No  
 Sudden Pressure: No

### U.S. STATE REGULATIONS:

Product ID: UFC01

**Pennsylvania Right To Know:**

1,2,4-TRIMETHYLBENZENE	95-63-6
ETHYLENE GLYCOL MONOBUTYL ETHER ACETATE	112-07-2
BUTYL ACETATE	123-86-4
XYLENE	1330-20-7
PROPRIETARY ADDITIVE	Trade Secret
AROMATIC NAPHTHA, HEAVY	64742-94-5
AROMATIC NAPHTHA, LIGHT	64742-95-6
ETHYL 3-ETHOXYPROPIONATE	763-69-9

**Additional Non-Hazardous Materials**

PROPRIETARY RESIN	Trade Secret
PROPRIETARY RESIN	Trade Secret

**California Proposition 65:**

WARNING: This product contains chemicals known to the State of California to cause cancer.

**Rule 66 status of product** Photochemically reactive.

**INTERNATIONAL REGULATIONS - Chemical Inventories**

**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**

<b>Health:</b>	2
<b>Flammability:</b>	3
<b>Reactivity:</b>	1
<b>PPE:</b>	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:**

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