



Material Safety Data Sheet

1. PRODUCT AND COMPANY IDENTIFICATION

Product Identification

Product ID: KU152
Product Name: CATALYST
Product Use: Paint product.
Print date: 28/May/2014
Revision Date: 28/Mar/2013

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.
- May cause sensitization by skin contact.

Ingestion:

- Irritation of the mouth, throat, and stomach.

Inhalation:

- Causes respiratory tract irritation.
- Isocyanates vapors and mists at concentrations greater than the TLV can irritate the respiratory system causing runny nose, sore throat, coughing and shortness of breath. Persons with pre-existing, non-specific bronchial hyperactivity can respond to concentrations below the TLV with symptoms as well as an asthma attack.
- Individuals with lung or breathing problems or prior reaction to isocyanates must not be exposed to vapor or spray mist.

Target Organ and Other Health Effects:

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

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

- As a result of a previous exposure or a large single dose certain individuals will develop isocyanate sensitization (chemical asthma) which will cause them to react to subsequent exposures to isocyanates below the TLV. Symptoms of wheezing, cough, shortness of breath or asthma attack. Individuals may develop lung sensitivity which may persist for long periods. May cause lung damage or impairment. Sensitization may be temporary or permanent.
- Overexposures may cause certain individuals to develop isocyanate sensitization which causes a reaction in isocyanates below the TLV.
- Possible sensitization.

3. COMPOSITION / INFORMATION ON HAZARDOUS INGREDIENTS

| Ingredient Name CAS-No. | Approx. Weight % | Chemical Name |
|------------------------------------|-----------------------------|----------------------|
| PROPRIETARY RESIN | 65 - 70 | PROPRIETARY RESIN |
| PROPRIETARY ADDITIVE | 30 - 35 | PROPRIETARY ADDITIVE |

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. For breathing difficulties, oxygen may be necessary. If breathing stops, provide artificial respiration. Get medical attention immediately.

Medical conditions aggravated by exposure:

Any respiratory or skin condition.

5. FIRE FIGHTING MEASURES

Flash point (Fahrenheit): 109
Flash point (Celsius): 43

5. FIRE FIGHTING MEASURES

| | |
|----------------------------------|--|
| Lower explosive limit (%): | 1 |
| Upper explosive limit (%): | 10 |
| Autoignition temperature: | not determined |
| Sensitivity to impact: | no |
| Sensitivity to static discharge: | Can be sensitive 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 all personal contact.

7. HANDLING AND STORAGE

Precautions to be taken in handling and storage:

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:

Gloves: Neoprene or other nonporous.

Other Personal Protection Data:

To prevent skin contact wear protective clothing covering all exposed areas. Chemical resistant apron

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. Ovens used for curing should contain a fresh air purge to prevent vapours from accumulating and creating a possible explosive mixture. Ensure adequate ventilation, especially in confined areas. 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 |
|----------------------------|---------------------|-----------------------------|-------------------------|-------------------|
| PROPRIETARY ADDITIVE | 30 - 35 | 2.5 mg/m ³ TWA F | | |

ACGIH Threshold Limit Value (TLV's)

| Ingredient Name CAS-No. | Approx. Weight % | TWA | STEL | Ceiling limits | Skin designations |
|----------------------------|---------------------|-----------------------------|------|----------------|----------------------|
| PROPRIETARY ADDITIVE | 30 - 35 | 2.5 mg/m ³ TWA F | | | |

9. PHYSICAL PROPERTIES

| | |
|---|-------------------------------|
| Odor: | Normal for this product type. |
| Physical State: | liquid |
| pH: | not determined |
| Vapor pressure: | 7.8721805 mmHg @ 77°F (25°C) |
| Vapor density (air = 1.0): | 6.2 |
| Boiling point: | 285.08°F (141°C) |
| Solubility in water: | not determined |
| Coefficient of water/oil distribution: | not determined |
| Density (lbs per US gallon): | 10.07 |
| Specific Gravity: | 1.21 |
| Evaporation rate (butyl acetate = 1.0): | 0.9 |
| Flash point (Fahrenheit): | 109 |
| Flash point (Celsius): | 43 |
| Lower explosive limit (%): | 1 |
| Upper explosive limit (%): | 10 |
| Autoignition temperature: | not determined |

10. STABILITY AND REACTIVITY

| | |
|-----------------------------------|---|
| Stability: | Stable under normal conditions. |
| Conditions to Avoid: | Heat. |
| Incompatibility: | None known. |
| Hazardous Polymerization: | None anticipated. |
| Hazardous Decomposition Products: | Carbon monoxide and carbon dioxide. Halogenated compounds Nitrogen compounds. |

Sensitivity to static discharge: Can be sensitive to static discharge hazards. Please see bonding and grounding information in Section 7.

11. TOXICOLOGICAL INFORMATION

11. TOXICOLOGICAL INFORMATION

| Ingredient Name CAS-No. | Approx. Weight % | NIOSH - Selected LD50s and LC50s |
|----------------------------|---------------------|---|
| PROPRIETARY RESIN | 65 - 70 | = 18500 mg/m ³ Inhalation LC50 Rat 1 h |
| PROPRIETARY ADDITIVE | 30 - 35 | Inhalation LC50 Rat 33 mg/L 4 h Oral LD50 Rat 13 g/kg Dermal LD50 Rabbit >2 mL/kg |

Mutagens/Teratogens/Carcinogens: None known.

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: | COMBUSTIBLE LIQUID |
| Packing Group: | III |

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: | III |

International Maritime Organization (IMO):

| | |
|-----------------------|--------|
| UN/ID No: | UN1263 |
| Proper shipping name: | PAINT |
| Hazard Class: | 3 |
| Packing Group: | III |
| Marine Pollutant | No |

15. REGULATORY INFORMATION

U.S. FEDERAL REGULATIONS:

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 RESIN | Trade Secret |
| PROPRIETARY ADDITIVE | 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:

All components of this product are listed on the Domestic Substances List.

16. OTHER INFORMATION

HMIS Codes

| | |
|----------------------|--|
| Health: | 2* |
| Flammability: | 2 |
| 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: | 28/May/2014 |
| Revision Date: | 28/Mar/2013 |