



SAFETY DATA SHEET

Revision date 30-May-2015

Version 5

Section 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

Product identifier

Product Code HPC1

Product Name ACTIVATOR MEDIUM

Other means of identification

No information available

Recommended use of the chemical and restrictions on use

Hardener, Coatings

Details of the supplier of the safety data sheet

See section 16 for more information

The Valspar Corporation
PO Box 1461
Minneapolis, MN 55440

E-mail address msds@valspar.com

Emergency telephone number

United States of America 1-888-345-5732

American Samoa, Guam, Northern Mariana Islands, Puerto Rico, U.S. Virgin Islands 1-800-255-3924

Section 2: HAZARDS IDENTIFICATION

Classification

| | |
|--|-------------|
| Serious eye damage/eye irritation | Category 2 |
| Respiratory sensitization | Category 1 |
| Skin sensitization | Category 1 |
| Carcinogenicity | Category 1B |
| Specific target organ toxicity (single exposure) | Category 3 |
| Flammable liquids | Category 2 |

Label elements



Signal word

DANGER

HAZARD STATEMENTS

Highly flammable liquid and vapor
Causes serious eye irritation
May cause allergy or asthma symptoms or breathing difficulties if inhaled
May cause an allergic skin reaction
May cause cancer
May cause drowsiness or dizziness

PREVENTION

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear protective gloves/protective clothing/eye protection/face protection. Wash face, hands and any exposed skin thoroughly after handling. Avoid breathing dust/fume/gas/mist/vapors/spray. In case of inadequate ventilation wear respiratory protection. Contaminated work clothing should not be allowed out of the workplace. Use only outdoors or in a well-ventilated area. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Keep container tightly closed. Ground/bond container and receiving equipment. Use explosion-proof electrical/ ventilating/ lighting/ equipment. Use only non-sparking tools. Take precautionary measures against static discharge.

RESPONSE

IF exposed or concerned: Get medical advice/attention.

Eyes

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

Skin

If skin irritation or rash occurs: Get medical advice/attention. Wash contaminated clothing before reuse. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower.

Inhalation

If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician. IF INHALED: Remove person to fresh air and keep comfortable for breathing.

Ingestion

Do NOT induce vomiting. IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.

Fire

In case of fire: Use CO₂, dry chemical, or foam for extinction.

STORAGE

Store locked up. Store in a well-ventilated place. Keep container tightly closed. Store in a well-ventilated place. Keep cool.

DISPOSAL

Dispose of contents/containers in accordance with local regulations.

HAZARDS NOT OTHERWISE CLASSIFIED (HNOC)

Not applicable.

OTHER HAZARDS

Causes mild skin irritation. Harmful to aquatic life with long lasting effects.

UNKNOWN ACUTE TOXICITY

0% of the mixture consists of ingredient(s) of unknown toxicity.

Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

| Chemical Name | CAS No | weight-% |
|--|------------|----------|
| Hexamethylene diisocyanate homopolymer | 28182-81-2 | 50 - 70 |
| Methyl ethyl ketone | 78-93-3 | 25 - 50 |

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| | | |
|--|-------------|-----------|
| Aliphatic isocyanate polymer | Proprietary | 5 - 10 |
| n-Butyl acetate | 123-86-4 | 3 - 5 |
| Solvent naphtha, petroleum, light aromatic | 64742-95-6 | 3 - 5 |
| Benzene, 1,2,4-trimethyl- | 95-63-6 | 1 - 3 |
| Isophorone diisocyanate | 4098-71-9 | 0.1 - 0.3 |
| Cumene | 98-82-8 | 0.1 - 0.3 |
| Hexamethylene diisocyanate | 822-06-0 | 0.1 - 0.3 |

*The exact percentage (concentration) of composition has been withheld as a trade secret.

Section 4: FIRST AID MEASURES

First Aid Measures

General advice

IF exposed or concerned: Get medical advice/attention.

Eye contact

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

Skin Contact

If skin irritation or rash occurs: Get medical advice/attention. Wash contaminated clothing before reuse. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower.

Inhalation

If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician. IF INHALED: Remove person to fresh air and keep comfortable for breathing.

Ingestion

Do NOT induce vomiting. IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.

Most important symptoms and effects, both acute and delayed

Symptoms No information available.

Indication of any immediate medical attention and special treatment needed

Note to physicians Treat symptomatically.

Section 5: FIRE FIGHTING MEASURES

Suitable extinguishing media

Dry chemical, CO₂, water spray or alcohol-resistant foam.

Not to be used for safety reasons: Strong water jet

Specific hazards arising from the chemical

Burning produces heavy smoke. Fire may produce irritating and/or toxic gases. In the event of fire and/or explosion do not breathe fumes. May cause sensitization by inhalation. May cause sensitization by skin contact.

Special protective equipment for fire-fighters

Wear self-contained breathing apparatus and protective suit. Cool containers with flooding quantities of water until well after fire is out. Do not allow run-off from fire-fighting to enter drains or water courses.

Section 6: ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal precautions

Avoid breathing vapors or mists. Remove all sources of ignition. Use personal protective equipment as required. Avoid contact with skin, eyes or clothing. Keep people away from and upwind of spill/leak. Evacuate personnel to safe areas. Take precautionary measures against static discharges.

For emergency responders

Use personal protection recommended in Section 8.

Environmental precautions

Do not allow into any sewer, on the ground or into any body of water. If the product contaminates lakes, rivers or sewage, inform appropriate authorities in accordance with local regulations. Prevent further leakage or spillage if safe to do so. Local authorities should be advised if significant spillages cannot be contained.

Methods and material for containment and cleaning up**Methods for containment**

Prevent further leakage or spillage if safe to do so.

Methods for cleaning up

Dispose of waste product or used containers according to local regulations. Clean with detergents. Avoid solvent cleaners. Dam up. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Pick up and transfer to properly labeled containers. Clean contaminated surface thoroughly. Take up mechanically, placing in appropriate containers for disposal.

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| Section 7: HANDLING AND STORAGE |
|--|

Precautions for safe handling**General advice**

Persons with a history of asthma, allergies, chronic or recurrent respiratory disease should not be exposed to any process in which this product is used. Examination of lung function should be carried out on a regular basis on persons spraying this product.

Advice on safe handling

Prevent the creation of flammable or explosive concentrations of vapor in air and avoid vapor concentration higher than the occupational exposure limits. Operators should wear anti-static footwear and clothing and floors should be of the conducting type. Use personal protection recommended in Section 8. Never use pressure to empty container. Comply with the health and safety at work laws. Prevent product from entering drains. Vapors are heavier than air and may spread along floors. Vapors may form explosive mixtures with air. Use only with adequate ventilation. Do not breathe dust/fume/gas/mist/vapors/spray. Use only in well-ventilated areas. Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity). Take precautionary measures against static discharges. Use spark-proof tools and explosion-proof equipment. All equipment used when handling the product must be grounded.

General Hygiene Considerations

When using do not eat, drink or smoke. Wash contaminated clothing before reuse. Avoid contact with skin, eyes or clothing.

Conditions for safe storage, including any incompatibilities**Storage Conditions**

Keep/store only in original container. Store in accordance with local regulations. Keep unauthorized personnel away. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Keep container tightly closed in a dry and well-ventilated place. Keep tightly closed in a dry and cool place.

Incompatible materials

Strong bases. Strong oxidizing agents. Copper. Amines.

| |
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| Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION |
|---|

Control parameters**Exposure Limits**

If S* appears in the OEL table, it indicates this chemical contains a skin notation.

| Chemical Name | ACGIH TLV | OSHA PEL | NIOSH IDLH |
|--------------------------------|-------------------------------|--|--|
| Methyl ethyl ketone 78-93-3 | STEL: 300 ppm TWA: 200 ppm | TWA: 200 ppm TWA: 590 mg/m ³ | IDLH: 3000 ppm TWA: 200 ppm TWA: 590 mg/m ³ STEL: 300 ppm STEL: 885 mg/m ³ |

| | | | |
|--|-------------------------------|---|--|
| n-Butyl acetate 123-86-4 | STEL: 200 ppm TWA: 150 ppm | TWA: 150 ppm TWA: 710 mg/m ³ | IDLH: 1700 ppm TWA: 150 ppm TWA: 710 mg/m ³ STEL: 200 ppm STEL: 950 mg/m ³ |
| Benzene, 1,2,4-trimethyl- 95-63-6 | TWA: 25 ppm | | TWA: 25 ppm TWA: 125 mg/m ³ |
| Isophorone diisocyanate 4098-71-9 | TWA: 0.005 ppm | | TWA: 0.005 ppm TWA: 0.045 mg/m ³ STEL: 0.02 ppm STEL: 0.180 mg/m ³ |
| Cumene 98-82-8 | TWA: 50 ppm | TWA: 50 ppm TWA: 245 mg/m ³ S* | IDLH: 900 ppm TWA: 50 ppm TWA: 245 mg/m ³ |
| Hexamethylene diisocyanate 822-06-0 | TWA: 0.005 ppm | | Ceiling: 0.020 ppm 10 min Ceiling: 0.140 mg/m ³ 10 min TWA: 0.005 ppm TWA: 0.035 mg/m ³ |

Appropriate engineering controls

Engineering Controls

Ensure adequate ventilation, especially in confined areas. Provide local exhaust ventilation. In case of insufficient ventilation, wear suitable respiratory equipment.

Individual protection measures, such as personal protective equipment

Eye/face protection

Tight sealing safety goggles.

Skin and body protection

Wear anti-static clothing made of natural fiber or of high temperature resistant synthetic fiber. Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact. Wear suitable protective clothing.

Hand Protection

There is no one glove material or combination of materials that will give unlimited resistance to any individual or combination of chemicals. Ensure that the breakthrough time of the glove material is not exceeded. Refer to glove supplier for information on breakthrough time for specific gloves. The instructions and information provided by the glove manufacturer on use, storage, maintenance and replacement must be followed. Gloves should be replaced regularly and if there is any sign of damage to the glove material. Always ensure that gloves are free from defects and that they are stored and used correctly. The performance or effectiveness of the glove may be reduced by physical / chemical damage and poor maintenance. Wear protective gloves.

Respiratory protection

In case of mist, spray or aerosol exposure wear suitable personal respiratory protection and protective suit. When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Thermal Protection

No information available

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

| | |
|--------------------------------------|--------------------------|
| Physical state | liquid |
| Appearance | No information available |
| Odor | Solvent |
| Color | No information available |
| Odor Threshold | No information available |
| pH value | No information available |
| Melting point/freezing point | No information available |
| Boiling point / boiling range | 79.6 °C / 175 °F |
| flash point | -7 °C / 19 °F |
| evaporation rate | No information available |
| Flammability (solid, gas) | No information available |
| Flammability Limit in Air | |

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| | |
|------------------------------------|--------------------------|
| Upper flammability limit: | No information available |
| Lower flammability limit: | No information available |
| Vapor Pressure | No information available |
| vapor density | No information available |
| Density (lbs per US gallon) | 8.32 |
| specific gravity | 1 |
| Solubility(ies) | No information available |
| Partition coefficient | No information available |
| Autoignition temperature | No information available |
| Decomposition temperature | No information available |
| Kinematic viscosity | No information available |
| Dynamic viscosity | No information available |

Other information

Section 10: STABILITY AND REACTIVITY

| | |
|---|---|
| Reactivity | No information available. |
| Chemical stability | Stable under normal conditions. |
| Possibility of Hazardous Reactions | None under normal processing. |
| Hazardous polymerization | None under normal processing. |
| Conditions to avoid | Heat, flames and sparks. |
| Incompatible materials | Strong bases. Strong oxidizing agents. Copper. Amines. |
| Hazardous Decomposition Products | Carbon monoxide. Carbon dioxide (CO2). Nitrogen oxides (NOx). |

Section 11: TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Eye contact

Causes serious eye irritation

Skin Contact

May cause an allergic skin reaction

Ingestion

Not applicable

Inhalation

May cause drowsiness or dizziness

Numerical measures of toxicity - Component Information

| Chemical Name | Oral LD50 | Dermal LD50 | Inhalation LC50 |
|--|-----------------------|------------------------------|---------------------------------------|
| Hexamethylene diisocyanate homopolymer 28182-81-2 | - | - | = 18500 mg/m ³ (Rat) 1 h |
| Methyl ethyl ketone 78-93-3 | = 2483 mg/kg (Rat) | = 5000 mg/kg (Rabbit) | = 11700 ppm (Rat) 4 h |
| Aliphatic isocyanate polymer | - | - | - |
| n-Butyl acetate 123-86-4 | = 14.13 mg/kg (Rat) | > 17600 mg/kg (Rabbit) | = 390 ppm (Rat) 4 h |
| Solvent naphtha, petroleum, light aromatic 64742-95-6 | - | > 2000 mg/kg (Rabbit) | = 3400 ppm (Rat) 4 h |
| Benzene, 1,2,4-trimethyl- 95-63-6 | = 3280 mg/kg (Rat) | > 3160 mg/kg (Rabbit) | = 18 g/m ³ (Rat) 4 h |
| Isophorone diisocyanate 4098-71-9 | = 1097 mg/kg (Rat) | 1060 - 4780 mg/kg (Rabbit) | = 0.135 mg/L (Rat) 4 h |
| Cumene 98-82-8 | = 1400 mg/kg (Rat) | = 12300 µL/kg (Rabbit) | > 3577 ppm (Rat) 6 h |

| | | | |
|--|---------------------|------------------------|-------------------------|
| Hexamethylene diisocyanate 822-06-0 | = 738 mg/kg (Rat) | = 593 mg/kg (Rabbit) | = 0.06 mg/L (Rat) 4 h |
|--|---------------------|------------------------|-------------------------|

Numerical measures of toxicity - Product Information

The following values are calculated based on chapter 3.1 of the GHS document .

ATEmix (inhalation-dust/mist) 51.1 mg/l
ATEmix (inhalation-vapor) 355 mg/l

UNKNOWN ACUTE TOXICITY 0% of the mixture consists of ingredient(s) of unknown toxicity.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

| Chemical Name | ACGIH | IARC | NTP | OSHA |
|-------------------|-------|----------|-----|------|
| Cumene 98-82-8 | | Group 2B | | X |

IARC (International Agency for Research on Cancer)

Group 2B - Possibly Carcinogenic to Humans.

OSHA (Occupational Safety and Health Administration of the US Department of Labor)

X - Present.

| | |
|---|---|
| Skin corrosion/irritation | Not applicable |
| Serious eye damage/eye irritation | Causes serious eye irritation |
| Skin sensitization | May cause an allergic skin reaction |
| Respiratory sensitization | May cause allergy or asthma symptoms or breathing difficulties if inhaled |
| Germ cell mutagenicity | Not applicable |
| Carcinogenicity | May cause cancer |
| Reproductive Toxicity | Not applicable |
| Specific target organ toxicity (single exposure) | May cause drowsiness or dizziness |
| Specific target organ toxicity (repeated exposure) | Not applicable |
| Aspiration hazard | Not applicable |

Section 12: ECOLOGICAL INFORMATION

Ecotoxicity

Harmful to aquatic life with long lasting effects.

Environmental precautions Prevent product from entering drains.

Persistence and degradability

No information available

Bioaccumulation

No information available

Mobility

No information available

Other adverse effects

No information available

Section 13: DISPOSAL CONSIDERATIONS

Waste treatment methods

Disposal of wastes Disposal should be in accordance with applicable regional, national and local laws and regulations.

Contaminated packaging Improper disposal or reuse of this container may be dangerous and illegal. Empty containers must be scrapped or reconditioned.

Section 14: TRANSPORT INFORMATION

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| | | | |
|--|--|--|--|
| 14.1 UN/ID no | DOT UN1993 | IMDG UN1993 | IATA UN1993 |
| 14.2 Proper shipping name | Flammable liquid, n.o.s. Methyl ethyl ketone n-Butyl acetate | Flammable liquid, n.o.s. Methyl ethyl ketone n-Butyl acetate | Flammable liquid, n.o.s. Methyl ethyl ketone n-Butyl acetate |
| 14.3 Hazard Class | 3 | 3 | 3 |
| 14.4 Packing Group | II | II | II |
| 14.5 Environmental hazard | Not applicable | | |
| 14.6 Special Provisions | IB2, T7, TP1, TP8, TP28 Emergency Response Guide Number 128 | 274 EmS-No F-E, S-E | A3 |
| 14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code | | | No information available |

Section 15: REGULATORY INFORMATION

International Inventories

| | |
|---|--|
| TSCA - United States Toxic Substances Control Act Section 8(b) Inventory | All components are listed or exempt from listing |
| DSL - Canadian Domestic Substances List | All components are listed or exempt from listing |

US Federal Regulations

| Chemical Name | SARA 313 - Threshold Values % | Hazardous air pollutants (HAPs) content |
|---|-------------------------------|---|
| Benzene, 1,2,4-trimethyl- 95-63-6 1 - 3 | 1 | |
| Cumene 98-82-8 0.1 - 0.3 | 1 | Present |
| Hexamethylene diisocyanate 822-06-0 0.1 - 0.3 | 1 | Present |

SARA 311/312 Hazard Categories

| | |
|--|-----|
| Acute health hazard | Yes |
| Chronic Health Hazard | Yes |
| Fire hazard | Yes |
| Sudden release of pressure hazard | No |
| Reactive Hazard | No |

| Chemical Name | CWA - Reportable Quantities | CWA - Toxic Pollutants | CWA - Priority Pollutants | CWA - Hazardous Substances |
|-----------------------------|-----------------------------|------------------------|---------------------------|----------------------------|
| n-Butyl acetate 123-86-4 | 5000 lb | | | X |

| Chemical Name | Hazardous Substances RQs | CERCLA/SARA RQ | Reportable Quantity (RQ) |
|--|--------------------------|----------------|--|
| Methyl ethyl ketone 78-93-3 | 5000 lb | | RQ 5000 lb final RQ RQ 2270 kg final RQ |
| n-Butyl acetate 123-86-4 | 5000 lb | | RQ 5000 lb final RQ RQ 2270 kg final RQ |
| Isophorone diisocyanate 4098-71-9 | | 500 lb | |
| Cumene 98-82-8 | 5000 lb | | RQ 5000 lb final RQ RQ 2270 kg final RQ |
| Hexamethylene diisocyanate 822-06-0 | 100 lb | | RQ 100 lb final RQ RQ 45.4 kg final RQ |

US State Regulations

Rule 66 status of product

Photochemically reactive.

California Proposition 65

WARNING! This product contains a chemical known in the State of California to cause cancer.

U.S. EPA Label information**EPA Pesticide registration number** Not applicable**U.S. State Right-to-Know Regulations**

| |
|--|
| Chemical Name |
| Hexamethylene diisocyanate homopolymer 28182-81-2 |
| Methyl ethyl ketone 78-93-3 |
| Aliphatic isocyanate polymer |
| n-Butyl acetate 123-86-4 |
| Solvent naphtha, petroleum, light aromatic 64742-95-6 |
| Benzene, 1,2,4-trimethyl- 95-63-6 |
| Cumene 98-82-8 |

Section 16: OTHER INFORMATION**HMIS****Health hazards** 2*

* = Chronic Health Hazard

Flammability 3**Physical hazards** 0**Personal Protection** X**Supplier Address**Valspar Coatings
5400 Avenue Of The Cities
Moline, IL 61265
309-762-7546**Prepared By** Product Stewardship**Revision date** 30-May-2015**Revision Note** No information available**Disclaimer**

The information on this Safety Data Sheet (SDS) is based on the present state of our knowledge, current national legislation and guidelines. As the specific conditions of use of the product are outside the supplier's knowledge and control the user is responsible for ensuring that the requirements of relevant legislation are complied with. This SDS should not be construed as any guarantee of the technical performance or suitability for particular applications. **UNLESS SUPPLIER AGREES OTHERWISE IN WRITING, SUPPLIER 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. SUPPLIER WILL NOT BE LIABLE FOR ANY SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES.**

End of Safety Data Sheet**Product Code HPC1**

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