



# SAFETY DATA SHEET

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Version 1

## 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

### Product identifier

**Product Name** HS BRITE WHITE PLUS BE

### Other means of identification

**Product Code** 1H-5775A

**UN/ID No.** UN1263

**Synonyms** None

### Recommended use of the chemical and restrictions on use

**Recommended Use** For professional use only.

**Uses advised against** Not Applicable

### Details of the supplier of the safety data sheet

#### **Manufacturer Address**

PPG Industries  
875 Progress Center Avenue  
PROGRESS CENTER AVENUE  
Lawrenceville, GA 30043

### Emergency telephone number

**Emergency Telephone** Chem-Tel 1-800-255-3924

## 2. HAZARD IDENTIFICATION

### Classification

#### **OSHA Regulatory Status**

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Acute toxicity - Oral	Category 4
Acute toxicity - Inhalation (Dusts/Mists)	Category 4
Serious eye damage/eye irritation	Category 2
Germ cell mutagenicity	Category 1B
Carcinogenicity	Category 1A
Flammable liquids	Category 3

### Label Elements

#### **Emergency Overview**

##### **Danger**

#### **Hazard statements**

Harmful if swallowed  
Harmful if inhaled  
Causes serious eye irritation  
May cause genetic defects  
May cause cancer  
Flammable liquid and vapor

**Appearance** OPAQUE CREAM**Physical state** Liquid**Odor** Moderate Aromatic**Precautionary Statements - Prevention**

Obtain special instructions before use  
 Do not handle until all safety precautions have been read and understood  
 Use personal protective equipment as required  
 Wash face, hands and any exposed skin thoroughly after handling  
 Do not eat, drink or smoke when using this product  
 Avoid breathing dust/fume/gas/mist/vapors/spray  
 Use only outdoors or in a well-ventilated area  
 Wear eye/face protection  
 Keep away from heat/sparks/open flames/hot surfaces. - No smoking  
 Keep container tightly closed  
 Ground/bond container and receiving equipment  
 Use only non-sparking tools  
 Take precautionary measures against static discharge

**Precautionary Statements - Response**

IF exposed or concerned: Get medical advice/attention  
 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  
 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower  
 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing  
 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell  
 Rinse mouth  
 In case of fire: Use CO2, dry chemical, or foam for extinction

**Precautionary Statements - Storage**

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

**Hazards not otherwise classified (HNOC)****Additional information**

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

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

Chemical Name	CAS No	Weight-%
AROMATIC PETROLEUM DISTILLATES	64742-95-6	5 - 10
BUTYL ACETATE	123-86-4	3 - 7
BUTANOL	71-36-3	1 - 5
PROPYLENE GLYCOL MONOMETHYL ETHER ACETATE	108-65-6	1 - 5
1,2,4 - TRIMETHYL BENZENE	95-63-6	1 - 5
SILICA (QUARTZ)	14808-60-7	10 - 30
ISOPROPYL BENZENE	98-82-8	0.1 - 1

TITANIUM DIOXIDE	13463-67-7	10 - 30
ETHYLENE GLYCOL MONOBUTYL ETHER	111-76-2	1 - 5

#### 4. FIRST AID MEASURES

##### First aid measures

<b>General advice</b>	Immediate medical attention is required. In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).
<b>Eye contact</b>	Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician.
<b>Skin Contact</b>	Wash off immediately with plenty of water.
<b>Inhalation</b>	Remove to fresh air.
<b>Ingestion</b>	Clean mouth with water and drink afterwards plenty of water.
<b>Self-protection of the first aider</b>	Remove all sources of ignition.

##### Most important symptoms and effects, both acute and delayed

<b>Symptoms</b>	May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause allergic skin reaction. Drowsiness. Dizziness.
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##### Indication of any immediate medical attention and special treatment needed

<b>Note to physicians</b>	Treat symptomatically.
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#### 5. FIRE-FIGHTING MEASURES

##### Suitable extinguishing media

Carbon dioxide (CO<sub>2</sub>). Foam. Dry chemical.

**Unsuitable extinguishing media** Caution: Use of water spray when fighting fire may be inefficient.

##### Specific hazards arising from the chemical

Flammable.

##### Explosion data

**Sensitivity to Mechanical Impact** None.

**Sensitivity to Static Discharge** None.

##### Protective equipment and precautions for firefighters

Wear self contained breathing apparatus for fire fighting if necessary. In the event of fire and/or explosion do not breathe fumes.

#### 6. ACCIDENTAL RELEASE MEASURES

##### Personal precautions, protective equipment and emergency procedures

<b>Personal precautions</b>	Remove all sources of ignition. Evacuate personnel to safe areas. Ensure adequate ventilation, especially in confined areas. Use personal protective equipment as required.
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##### Environmental precautions

<b>Environmental precautions</b>	Prevent further leakage or spillage if safe to do so. Prevent product from entering drains. Do not flush into surface water or sanitary sewer system. See Section 12 for additional ecological information.
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##### Methods and material for containment and cleaning up

<b>Methods for containment</b>	Prevent further leakage or spillage if safe to do so.
<b>Methods for cleaning up</b>	Use personal protective equipment as required. Take up mechanically, placing in appropriate containers for disposal. Avoid creating dust. Clean contaminated surface thoroughly. Soak up with inert absorbent material.

## 7. HANDLING AND STORAGE

### Precautions for safe handling

<b>Advice on safe handling</b>	Ensure adequate ventilation, especially in confined 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.
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### Conditions for safe storage, including any incompatibilities

<b>Storage Conditions</b>	Keep tightly closed in a dry and cool place. Keep in properly labeled containers.
<b>Incompatible materials</b>	None known based on information supplied.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control parameters

#### **Exposure Guidelines**

NIOSH IDLH *Immediately Dangerous to Life or Health*

<b>Additional information</b>	Vacated limits revoked by the Court of Appeals decision in AFL-CIO v. OSHA, 965 F.2d 962 (11th Cir., 1992).
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### Appropriate engineering controls

<b>Engineering Controls</b>	Ensure adequate ventilation, especially in confined areas.
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### Individual protection measures, such as personal protective equipment

<b>Eye/face protection</b>	Wear safety glasses with side shields (or goggles).
<b>Skin and body protection</b>	Wear protective gloves and protective clothing.
<b>Respiratory protection</b>	If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

<b>General Hygiene Considerations</b>	When using do not eat, drink or smoke. Regular cleaning of equipment, work area and clothing is recommended.
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## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Information on basic physical and chemical properties

<b>Physical state</b>	Liquid	<b>Odor</b>	Moderate Aromatic
<b>Appearance</b>	OPAQUE CREAM	<b>Odor threshold</b>	No information available
<b>Color</b>	No information available		
<b>Property</b>	<b>Values</b>	<b>Remarks • Method</b>	
<b>pH</b>	Not Applicable		

Melting point/freezing point	Not Applicable
Boiling point / boiling range	118 °C / 243.9 °F
Flash point	27 °C / 80.0 °F
Evaporation rate	1.000
Flammability (solid, gas)	Not Applicable
Flammability Limit in Air	
Upper flammability limit:	Not Applicable
Lower flammability limit:	Not Applicable
Vapor pressure	Not Applicable
Vapor density	4.10
Specific Gravity	1.44
Water solubility	INSOLUBLE
Solubility in other solvents	Not Applicable
Partition coefficient	Not Applicable
Autoignition temperature	Not Applicable
Decomposition temperature	Not Applicable
Kinematic viscosity	Not Applicable
Dynamic viscosity	Not Applicable
Explosive properties	Not Applicable
Oxidizing properties	Not Applicable

**Additional information**

Softening point	Not Applicable
Molecular weight	Not Applicable
VOC Content (lbs/gal)	3.429
VOC Content (g/L)	410.897
VOC Content (lbs/gal) Actual as Supplied	3.376
Density	Not Applicable
Bulk density	Not Applicable

## 10. STABILITY AND REACTIVITY

**Reactivity**

No data available

**Chemical stability**

Stable under recommended storage conditions.

**Possibility of Hazardous Reactions**

None under normal processing.

**Conditions to avoid**

Heat, flames and sparks.

**Incompatible materials**

Incompatible with strong acids and bases. Incompatible with oxidizing agents.

**Hazardous Decomposition Products**

None under normal use conditions. Thermal decomposition can lead to release of irritating and toxic gases and vapors.

## 11. TOXICOLOGICAL INFORMATION

**Information on likely routes of exposure****Product Information**

<b>Eye contact</b>	Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician.
<b>Skin Contact</b>	Wash off immediately with plenty of water.

**Inhalation** Remove to fresh air.  
**Ingestion** Clean mouth with water and drink afterwards plenty of water.

**Information on toxicological effects**

**Symptoms** Inhalation of high vapor concentrations may cause symptoms like headache, dizziness, tiredness, nausea and vomiting. Disorientation.

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

**Skin corrosion/irritation** Irritating to skin.  
**Serious eye damage/eye irritation** Irritating to eyes.  
**Corrosivity** Not Applicable.  
**Sensitization** May cause sensitization by inhalation and skin contact.  
**Germ cell mutagenicity** No information available.  
**Carcinogenicity** .

Chemical Name	ACGIH	IARC	NTP	OSHA
ETHYLENE GLYCOL MONOBUTYL ETHER	A3			
TITANIUM DIOXIDE		Group 2B		X
ISOPROPYL BENZENE		Group 2B		X

*ACGIH (American Conference of Governmental Industrial Hygienists)  
A2 - Suspected Human Carcinogen  
A3 - Animal Carcinogen  
IARC (International Agency for Research on Cancer)  
Group 1 - Carcinogenic to Humans  
Group 2B - Possibly Carcinogenic to Humans  
NTP (National Toxicology Program)  
Known - Known Carcinogen  
OSHA (Occupational Safety and Health Administration of the US Department of Labor)  
X - Present*

**Reproductive toxicity** No information available.  
**STOT - single exposure** No information available.  
**STOT - repeated exposure** No information available.  
**Chronic toxicity** May cause adverse effects on the bone marrow and blood-forming system. May cause adverse liver effects.  
**Target Organ Effects** blood, Central nervous system, Eyes, Hematopoietic System, kidney, liver, lungs, Respiratory system, Skin.  
**Aspiration hazard** No information available.

**Numerical measures of toxicity - Product Information**

The following values are calculated based on chapter 3.1 of the GHS document .  
**ATEmix (oral)** 1664 mg/kg  
**ATEmix (dermal)** 7512 mg/kg  
**ATEmix (inhalation-dust/mist)** 4.8 mg/l  
**ATEmix (inhalation-vapor)** 271 mg/l

**12. ECOLOGICAL INFORMATION**

**Ecotoxicity**

**Persistence and degradability**  
No information available.

**Bioaccumulation**

No information available.

Chemical Name	Partition coefficient
BUTYL ACETATE	1.81
BUTANOL	0.785
PROPYLENE GLYCOL MONOMETHYL ETHER ACETATE	0.43
1,2,4 - TRIMETHYL BENZENE	3.63
ISOPROPYL BENZENE	3.55
ETHYLENE GLYCOL MONOBUTYL ETHER	0.81

**Other adverse effects** No information available

**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** Do not reuse container.

**US EPA Waste Number** D001 U031 U055 U239

This product contains one or more substances that are listed with the State of California as a hazardous waste.

Chemical Name	California Hazardous Waste Status
BUTYL ACETATE	Toxic
BUTANOL	Toxic
ISOPROPYL BENZENE	Toxic Ignitable

**14. TRANSPORT INFORMATION**

**DOT**

**UN/ID No.** UN1263  
**Hazard Class** III

**15. REGULATORY INFORMATION**

**US Federal Regulations**

**SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

Chemical Name	CAS No	Weight-%	SARA 313 - Threshold Values %
ETHYLENE GLYCOL MONOBUTYL ETHER -	111-76-2	2.225	1.0
BUTANOL -	71-36-3	2.551	1.0
1,2,4 - TRIMETHYL BENZENE -	95-63-6	4.5712	1.0

**SARA 311/312 Hazard Categories**

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

**CWA (Clean Water Act)**

Chemical Name	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
BUTYL ACETATE	5000 lb			X

**CERCLA**

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

Chemical Name	Hazardous Substances RQs	CERCLA/SARA RQ	Reportable Quantity (RQ)
BUTYL ACETATE	5000 lb		RQ 5000 lb final RQ RQ 2270 kg final RQ
BUTANOL	5000 lb		RQ 5000 lb final RQ RQ 2270 kg final RQ
ISOPROPYL BENZENE	5000 lb		RQ 5000 lb final RQ RQ 2270 kg final RQ

**US State Regulations**

**U.S. State Right-to-Know Regulations**

Chemical Name	New Jersey	Massachusetts	Pennsylvania
p-TOLUENE SULFONIC ACID	X	X	X
ETHYLENE GLYCOL MONOBUTYL ETHER	X	X	X
BUTYL ACETATE	X	X	X
XYLENE	X	X	X
CARBON BLACK 1333-86-4	X	X	X
TITANIUM DIOXIDE	X	X	X
PIGMENT BLUE 15:2	X		X
TALC	X	X	X
SILICA (QUARTZ)	X	X	X
TERTIARY BUTYL ACETATE	X	X	X
ISOPROPYL ALCOHOL 67-63-0	X	X	X



BUTANOL	X	X	X
1,2,4 - TRIMETHYL BENZENE	X	X	X
ISOPROPYL BENZENE	X	X	X

**U.S. EPA Label Information**

EPA Pesticide Registration Number Not Applicable

**Canada**

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the SDS contains all the information required by the CPR

<b>16. OTHER INFORMATION</b>
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<b>NFPA</b>	Health hazards 2	Flammability 0	Instability 0	Physical and Chemical Properties -
<b>HMIS</b>	Health hazards 2	Flammability 3	Physical hazards 0	Personal protection X

Revision Date 08-Feb-2016

**Revision Note**

No information available

**Disclaimer**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet