Safety Data Sheet

Section 1. Identification

Product Code: 984761

Product Name: SB WHT WA HI VOC HW8W1

Product Type: SB Paint

Recommended Use: Traffic Markings

Supplied by: Ennis-Flint, Inc.
4161 Piedmont Parkway, Suite 370
Greensboro, NC 27410
T: 800.331.8118

Emergency Telephone: Chemtrec 1-800-424-9300

2. Hazards Identification

EMERGENCY OVERVIEW: Extremely Flammable!In use, may form flammable/explosive vapour-air mixture. May cause fire. This product contains a component suspected of causing cancer. However, it is in a non-respirable form and inhalation is unlikely to occur from exposure. This classification is relevant when exposed to dust or powder form only (e.g. sanding, grinding).

GHS Classification
Carc. 1B, Eye Irrit. 2A, Flam. Liq. 2, Muta. 1B, Repr. 2, STOT RE 2, STOT SE 3 NE

Symbol(s) of Product

Signal Word
Danger

GHS HAZARD STATEMENTS

Flammable Liquid, category 2	H225	Highly flammable liquid and vapour.
Eye Irritation, category 2A	H319	Causes serious eye irritation.
STOT, single exposure, category 3, NE	H336	May cause drowsiness or dizziness.
Germ Cell Mutagenicity, category 1B	H340	May cause genetic defects . Classification as mutagenic category 1 , if one of the ingredients is contained in an amount of at least 0.1 % . Applicable to liquids , solids (in w / w) and gases (v / v) . The fabric can also have their own exposure limit . Routes of exposure depend on the form of the ingredient.
Carcinogenicity, category 1B	H350	May cause cancer.
Reproductive Toxicity, category 2	H361	Suspected of damaging fertility or the unborn child. Classifed Category 2 suspected human reproductive toxicant irreversible effects such as structural malfunctions, embryo/foetal lethality, post natal functional deficiencies.
STOT, repeated exposure, category 2	H373	May cause damage to organs through prolonged or repeated exposure.

GHS PRECAUTIONARY STATEMENTS

P201	Obtain special instructions before use.
P210	Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
P233	Keep container tightly closed.
P240	Ground/bond container and receiving equipment.
P241	Use explosion-proof electrical/ventilating/lighting/…/ equipment.
P242	Use only non-sparking tools.
P243	Take precautionary measures against static discharge.

P260	Do not breathe dust/fume/gas/mist/vapours/spray.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P281	Use personal protective equipment as required.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P308+P313	IF exposed or concerned: Get medical advice/attention.
P312	Call a POISON CENTER or doctor/physician if you feel unwell.
P314	Get medical advice/attention if you feel unwell.
P337+P313	If eye irritation persists: Get medical advice/attention.
P403+P233	Store in a well-ventilated place. Keep container tightly closed.

3. Composition/Information on Ingredients

Chemical Name	CAS-No.	Wt. %	GHS Symbols	GHS Statements
Calcium Carbonate	1317-65-3	25-50	No Information	No Information
Acetone	67-64-1	10-25	GHS02-GHS07	H225-319-336
Toluene	108-88-3	2.5-10	GHS02-GHS07-GHS08	H225-304-315-336-361-373
Naphtha, light	64742-89-8	2.5-10	GHS08	H304-340-350
Titanium Dioxide	13463-67-7	2.5-10	No Information	No Information
Magnesium silicate (talc)	14807-96-6	2.5-10	No Information	No Information
Chloroalkanes	61788-76-9	1.0-2.5	No Information	No Information
Methyl ethyl ketone (MEK)	78-93-3	1.0-2.5	GHS02-GHS07	H225-319-332-336
Light naptha-hydrotreated	64742-49-0	1.0-2.5	GHS08	H304-340-350
n-Heptane	142-82-5	1.0-2.5	GHS02-GHS07-GHS08	H225-304-315-336
Heptane, Branched, cyclic and Linear	426260-76-6	1.0-2.5	No Information	No Information
Methanol	67-56-1	0.1-1.0	GHS02-GHS08	H225-370
Crystalline Silica, Quartz	14808-60-7	0.1-1.0	GHS08	H351

4. First-aid Measures

FIRST AID - GENERAL ADVICE: When symptoms persist or in all cases of doubt seek medical advice.

FIRST AID - INHALATION: Move to fresh air. Give oxygen or artificial respiration if needed. Consult a physician if symptoms persist.

FIRST AID - INGESTION: Do NOT induce vomiting. If conscious, rinse mouth and drink plenty of water. Never give anything by mouth to an unconscious person. Consult a physician.

FIRST AID - SKIN CONTACT: Wash affected area immediately with soap and plenty of water. Remove contaminated clothing and launder before reuse. Consult a physician if symptoms persist.

FIRST AID - EYE CONTACT: Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Consult a physician if symptoms persist.

MOST IMPORTANT SYMPTOMS AND EFFECTS: Contact will cause irritation and redness to exposed areas. Causes painful stinging or burning of eyes and lids, watering of eyes. Prolonged contact may even cause severe skin irritation or mild burn. Overexposure by inhalation or ingestion may cause CNS depression, drowsiness, dizziness, confusion headache or loss of coordination.

NOTES TO PHYSICIAN: Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

5. Fire-fighting Measures

UNUSUAL FIRE AND EXPLOSION HAZARDS: Material may polymerize explosively when involved in a fire. Runoff to sewer may create fire or explosion hazard. Flammable liquid. Vapors can form an ignitable mixture with air. Vapors can flow along surfaces to a distant ignition source and flash back. Vapors can spread along ground and collect in low or confined areas (sewers, basements, tanks). Water spray may reduce vapor, buy may not prevent ignition in closed spaces.

SPECIAL FIREFIGHTING PROCEDURES: Flammable. Cool fire-exposed containers using water spray. As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

EXTINGUISHING MEDIA: Alcohol Foam, Carbon Dioxide, Dry Chemical, Foam, Water Fog

6. Accidental Release Measures

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Take precautionary measures against static discharges. All equipment used when handling the product must be grounded. A vapor suppressing foam may be used to reduce vapors. Use personal protective equipment. Ensure adequate ventilation. Dike far ahead of liquid spill for later disposal. Use clean non-sparking tools to collect absorbed material.

METHODS AND MATERIALS FOR CONTAINMENT AND CLEANUP: Soak up with inert absorbent material. Use non-sparking or explosion proof means to transfer material to a sealed, appropriate container for disposal. Clean contaminated surfaces thoroughly.

ENVIRONMENTAL PRECAUTIONS: Prevent entry into waterways, sewers, basements or confined areas. Avoid release to the environment. For larger spills, cover drains and build dikes to prevent entry into sewer systems or bodies of water.

EMERGENCY ADVICE: Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Shut off all ignition sources. No flares, smoking or flames in hazard area. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

PERSONAL PRECAUTIONS: Use personal protective equipment as required. Remove all sources of ignition. Prevent foot traffic. Only specially trained or qualified personnel should handle cleanup. Stop the leak if there is no risk involved. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Wear appropriate respirator when ventilation is inadequate.

7. Handling and Storage

HANDLING: Flammable liquid. Avoid heat, sparks and open flames. Ensure adequate ventilation. Avoid breathing vapor, mists or dust. Avoid contact with eyes, skin, and clothing. Wear appropriate personal protective equipment. Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Observe good industrial hygiene practices. Prevent vapor buildup by providing adequate ventilation during and after use. Take precautionary measures against static discharges. All equipment used when handling the product must be grounded. Use only in an area containing flame proof equipment.

STORAGE: Keep containers tightly closed in a cool, well-ventilated place. Store away from heat and sources of ignition. Use where airflow will keep vapors from building up in or near the work area and adjoining areas. Dissipate static electricity during transfer by grounding and bonding containers and equipment before transfering material. Use explosion proof electrical equipment for ventilation, lighting and material handling. Keep in properly labeled containers.

8. Exposure Controls/Personal Protection

Ingredients with Occupational Exposure Limits

Chemical Name	ACGIH TLV-TWA	ACGIH-TLV STEL	OSHA PEL-TWA	OSHA PEL-CEILING
Calcium Carbonate	N.E.	N.E.	15 mg/m3	N.E.
Acetone	250 ppm	500 ppm	750 PPM	N.E.
Toluene	20 ppm	N.E.	200 PPM	300 ppm
Naphtha, light	300 PPM	N.E.	300 PPM	N.E.
Titanium Dioxide	10 mg/m3	N.E.	15 mg/m3	N.E.
Magnesium silicate (talc)	2 mg/m3	N.E.	2 mg/m3	N.E.
Chloroalkanes	N.E.	N.E.	N.E.	N.E.
Methyl ethyl ketone (MEK)	200 ppm	300 ppm	200 PPM	N.E.
Heptane, Branched, cyclic and Linear	400 PPM	500 PPM	400 ppm	N.E.
n-Heptane	400 PPM	500 PPM	400 ppm	N.E.
Light naptha-hydrotreated	N.E.	N.E.	N.E.	N.E.
Methanol	200 ppm	250 ppm	200 PPM	N.E.
Crystalline Silica, Quartz	0.025 mg/m3	N.E.	0.05 mg/m3	N.E.

Further Advice: MEL = Maximum Exposure Limit OES = Occupational Exposure Standard SUP = Supplier's Recommendation Sk = Skin Sensitizer N.E. = Not Established

Personal Protection

RESPIRATORY PROTECTION: 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.

SKIN PROTECTION: Chemical resistant impervious gloves/clothing.

EYE PROTECTION: Use chemical safety goggles and/or full face shield where splashing is possible. Contact lenses should not be worn when working with this material. Maintain eye wash fountain and quick-drench facilities in work areas.

OTHER PROTECTIVE EQUIPMENT: Eyewash stations, safety showers, ventilation systems. Ventilation system should be explosion proof.

HYGIENIC PRACTICES: When using, do not eat, drink or smoke. Provide regular cleaning of equipment, work area and clothing. Wash hands before breaks and immediately after handling the product. Handle in accordance with good industrial hygiene and safety practice.

ENGINEERING CONTROLS: Provide exhaust ventilation sufficient to keep the airborne concentration of this product below its exposure limits. Exhaust air may need to be cleaned by scrubbers or filters to reduce environmental contamination.

9. Physical and Chemical Properties

Appearance:	White Liquid	**Physical State:**	Liquid
Odor:	Aromatic Solvent	**Odor Threshold:**	Not Established
Density, g/cm3:	1.439	**pH:**	Not Applicable
Freeze Point, °C:	No Information	**Viscosity:**	No Information
Solubility in Water:	Insoluble	**Partition Coefficient, n-octanol/ water:**	No Information
Decomposition temperature, °C	No Information		
Boiling Range, °C:	Not Determined	**Explosive Limits, %:**	Not Determined
Combustibility:	Supports Combustion	**Flash Point, °C:**	-18
Evaporation Rate:	Slower than Diethyl Ether	**Auto-Ignition Temperature, °C**	No Information
Vapor Density:	Heavier than air	**Vapor Pressure, mmHg:**	No Information

(See "Other information" Section for abbreviation legend)

10. Stability and Reactivity

REACTIVITY: No reactivity hazards known under normal storage and use conditions.

STABILITY: Stable under recommended storage conditions.

CONDITIONS TO AVOID: Avoid all possible sources of ignition (heat, flames and sparks). Do not pressurize, cut weld, braze, solder, drill, grind or expose containers to heat or sources of ignition.

INCOMPATIBILITY: Strong acids. Chlorinated compounds. Strong oxidizing agents.

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon oxides. Hydrocarbons. Carbon dioxide.

11. Toxicological Information

Practical Experiences

MOST IMPORTANT SYMPTOMS AND EFFECTS: Contact will cause irritation and redness to exposed areas. Causes painful stinging or burning of eyes and lids, watering of eyes. Prolonged contact may even cause severe skin irritation or mild burn.

Overexposure by inhalation or ingestion may cause CNS depression, drowsiness, dizziness, confusion headache or loss of coordination.

EFFECT OF OVEREXPOSURE - INHALATION: Inhalation may cause irritation to the respiratory tract (nose, mouth, mucous membranes). May cause central nervous system depression with nausea, headache, dizziness, vomiting, and incoordination. Sanding and grinding dust may be harmful if inhaled.

EFFECT OF OVEREXPOSURE - INGESTION: Ingestion may cause irritation to mucous membranes. May cause gastrointestinal irritation, nausea, vomiting, and diarrhea. May cause gastrointestinal disturbances with dizziness and central nervous system depression.

EFFECT OF OVEREXPOSURE - SKIN CONTACT: Irritating to skin. Repeated exposure may cause skin dryness or cracking.

EFFECT OF OVEREXPOSURE - EYE CONTACT: Irritating to eyes.

EFFECT OF OVEREXPOSURE - CHRONIC HAZARDS: Exposure to toluene in animals via inhalation and intentional overexposure to toluene in humans has caused adverse fetal development effects. Recurrent overexposure may result in liver and kidney injury. This product contains titanium dioxide in a non-respirable form. Inhalation of titanium dioxide is unlikely to occur from exposure to this product. Inhalation exposure to respirable levels of crystalline silica may cause respiratory impairment and lung damage. This product contains crystalline silica (quartz) in a non-respirable form. Inhalation of crystalline silica is unlikely to occur from exposure to this product. Crystalline silica (quartz) has been classified by the International Agency for Research on Cancer (IARC) as a known human carcinogen. Inhalation, ingestion, or skin absorption of methanol can cause blindness.

CARCINOGENICITY: This product contains one or more substances which are classified by IARC as carcinogenic to humans (Group I), probably carcinogenic to humans (Group 2A) or possibly carcinogenic to humans (Group 2B).

PRIMARY ROUTE(S) OF ENTRY: Eye Contact, Inhalation, Skin Absorption, Skin Contact

Acute Toxicity Values
The acute effects of this product have not been tested. Data on individual components are tabulated below

CAS-No.	Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
1317-65-3	Calcium Carbonate	> 2000 mg/kg	> 2000 mg/kg	>20001 ppm (Gas/Mist)
67-64-1	Acetone	5800 mg/kg Rat	>15700 mg/kg Rabbit	N.I.
108-88-3	Toluene	2600 mg/kg Rat	12000 mg/kg Rabbit	N.I.
64742-89-8	Naphtha, light	>2000 mg/kg	> 2000 mg/kg	>20001 ppm (Gas/Mist)
13463-67-7	Titanium Dioxide	>10000 mg/kg Rat	N.I.	>20001 ppm (Gas/Mist)
14807-96-6	Magnesium silicate (talc)	>2000 mg/kg	> 2000 mg/kg	>20001 ppm (Gas/Mist)
61788-76-9	Chloroalkanes	> 2000 mg/kg	> 2000 mg/kg	>20001 ppm (Gas/Mist)
78-93-3	Methyl ethyl ketone (MEK)	2483 mg/kg Rat	5000 mg/kg Rabbit	11700 ppm Rat (Gas/Mist)
64742-49-0	Light naptha-hydrotreated	>2000 mg/kg	> 2000 mg/kg	>20001 ppm (Gas/Mist)
142-82-5	n-Heptane	> 2000 mg/kg	> 2000 mg/kg	N.I.
426260-76-6	Heptane, Branched, cyclic and Linear	> 2000 mg/kg	> 2000 mg/kg	N.I.
67-56-1	Methanol	6200 mg/kg Rat	15840 mg/kg Rabbit	22500 ppm Rat (Gas/Mist)
14808-60-7	Crystalline Silica, Quartz	>2000 mg/kg	> 2000 mg/kg	>20001 ppm (Gas/Mist)

N.I. = No Information

12. Ecological Information

ECOLOGICAL INFORMATION: The environmental impact of this product has not been fully investigated. Do not contaminate ponds, waterways or ditches with this material.

PRESISTENCE AND DEGRADABILITY: No Information

BIOACCUMULATIVE POTENTIAL: No Information

MOBILITY: No Information

OTHER ADVERSE ECOLOGICAL EFFECTS: No Information

13. Disposal Information

Product

DISPOSAL METHOD: This material, as supplied, is a hazardous waste according to federal regulations (40 CFR 261). Dispose of contents/ container in accordance with the local/regional/national/international regulations. Do not re-use empty containers. Empty containers pose a potential fire and explosion hazard. Do not cut, puncture of weld containers.

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Take precautionary measures against static discharges. All equipment used when handling the product must be grounded. A vapor suppressing foam may be used to reduce vapors. Use personal protective equipment. Ensure adequate ventilation. Dike far ahead of liquid spill for later disposal. Use clean non-sparking tools to collect absorbed material.

CONTAMINATED PACKAGING: Empty containers retain product residue and can be dangerous. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose such containers to heat, flame, sparks static electricity, or other sources of ignition.

14. Transport Information

SPECIAL TRANSPORT PRECAUTIONS: No Information

Road Transport

UN Number:	UN1263
Shipping Name:	Paint
Transport Hazard Class:	3
Packing Group:	II
ERG No:	128

Sea Transport

UN Number:	UN1263
Shipping Name:	Paint
IMDG Class:	3
Packing Group:	II
EmS-No:	F-E, S-E
Marine Pollutant:	Not A Marine Pollutant

Air Transport

UN Number:	UN1263
Shipping Name:	Paint
IATA Class:	3
Packing Group:	II

15. Regulatory Information

U.S. Federal Regulations:

CERCLA - SARA Hazard Category

This product has been reviewed according to the EPA 'Hazard Categories' promulgated under Sections 311 and 312 of the Superfund Amendment and Reauthorization Act of 1986 (SARA Title III) and is considered, under applicable definitions, to meet the following categories:

Flammable (gases, aerosols, liquids, or solids), Carcinogenicity, Reproductive toxicity, Serious eye damage or eye irritation, Specific target organ toxicity (single or repeated exposure), Germ cell mutagenicity

SARA SECTION 313:

This product contains the following substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendment and Reauthorization Act of 1986 and 40 CFR part 372:

Chemical Name	CAS-No.
Toluene	108-88-3
Methanol	67-56-1
Ethylbenzene	100-41-4

TOXIC SUBSTANCES CONTROL ACT:

This product contains the following chemical substances subject to the reporting requirements of TSCA 12(B) if exported from the United States:

Chemical Name	CAS-No.
Chloroalkanes	61788-76-9

U.S. State Regulations:

NEW JERSEY RIGHT-TO-KNOW:

The following materials are hazardous or among the top five components in this product.

Chemical Name	CAS-No.
Calcium Carbonate	1317-65-3
Barium Sulfate	7727-43-7
Acetone	67-64-1
Toluene	108-88-3
Naphtha, light	64742-89-8
Titanium Dioxide	13463-67-7
Magnesium silicate (talc)	14807-96-6
Chloroalkanes	61788-76-9
Methyl ethyl ketone (MEK)	78-93-3
Heptane, Branched, cyclic and Linear	426260-76-6
n-Heptane	142-82-5
Light naptha-hydrotreated	64742-49-0
Methanol	67-56-1
Crystalline Silica, Quartz	14808-60-7

PENNSYLVANIA RIGHT-TO-KNOW

The following non-hazardous ingredients are present in the product at greater than 3%.

Chemical Name	CAS-No.
Calcium Carbonate	1317-65-3
Barium Sulfate	7727-43-7
Acetone	67-64-1
Toluene	108-88-3
Petroleum Hydrocarbon Resin	64742-16-1
Naphtha, light	64742-89-8
Titanium Dioxide	13463-67-7
Magnesium silicate (talc)	14807-96-6
Calcined Aluminum Silicate Powder	92704-41-1
Chloroalkanes	61788-76-9
Methyl ethyl ketone (MEK)	78-93-3
Light naptha-hydrotreated	64742-49-0
n-Heptane	142-82-5
Heptane, Branched, cyclic and Linear	426260-76-6
Methanol	67-56-1
Crystalline Silica, Quartz	14808-60-7

CALIFORNIA PROPOSITION 65 CARCINOGENS

WARNING

Warning: The following ingredients present in the product are known to the state of California to cause Cancer:

Chemical Name	CAS-No.

Titanium Dioxide	13463-67-7
Magnesium silicate (talc)	14807-96-6
Crystalline Silica, Quartz	14808-60-7

CALIFORNIA PROPOSITION 65 REPRODUCTIVE TOXINS

WARNING

Warning: The following ingredients present in the product are known to the state of California to cause birth defects, or other reproductive hazards.

Chemical Name	CAS-No.
Toluene	108-88-3
Methanol	67-56-1

International Regulations: As follows -

CANADIAN WHMIS:

This SDS has been prepared in compliance with Controlled Product Regulations.

16. Other Information

Revision Date: 10/2/2023 **Supersedes Date:** 10/2/2023

Datasheet produced by: Regulatory Department

HMIS Ratings:

Health:	3	**Flammability:**	4	**Reactivity:**	1	**Personal Protection:**	X

NFPA Ratings:

Health:	3	**Flammability:**	4	**Reactivity:**	1	**Hazards:**	N.I.

Legend: N.A. - Not Applicable, N.E. - Not Established, N.D. - Not Determined

The information on this sheet corresponds to our present knowledge. It is not a specification and it does not guarantee specific properties. The information is intended to provide general guidance as to health and safety based upon our knowledge of the handling, storage, and use of the product. It is not applicable to unusual or non-standard uses of the product where instructions and recommendations are not followed. Any use of the product not in conformance with this SDS or in combination with any other product or process is the responsibility of the user.