SAFETY DATA SHEET

This safety data sheet was created pursuant to the requirements of:
US OSHA Hazard Communication Standard (29 CFR 1910.1200)

Complies with OSHA GHS Revision 7 of 2024.

Issuing Date 16-Jan-2025 **Revision Date** 28-Jan-2020 **Version** 1

1. Identification

Product identifier

Product Name Solvent Based White Mastic

Other means of identification

Product Code AIM 780

Synonyms SEALANT

Recommended use of the chemical and restrictions on use

Recommended Use Used for flashing, sealing and repairing metal roofs and trailers, built up roofing, modified bitumen, TPO, and other single-ply systems.

Restrictions on use For exterior use only. Do not use indoors.

Details of the supplier of the safety data sheet

Supplier Address
American Industrial Manufacturers of Building Materials
W. Park Blvd
Suite 306-366
Plano, Texas 75093
(214) 254-4720

Emergency telephone number

Company Phone Number (214) 254-4720

Emergency Telephone Call CHEMTREC Day or Night:
Within USA and Canada: 1-800 424-9300
Outside USA and Canada: 1-703-527-3887

2. Hazard(s) identification

Classification

Flammable liquids	Category 3
Acute toxicity - Inhalation (Dusts/Mists)	Category 4
Skin corrosion/irritation	Category 2
Serious eye damage/eye irritation	Category 2B
Germ cell mutagenicity	Category 1B
Carcinogenicity	Category 1B
Specific target organ toxicity (single exposure)	Category 3
Specific target organ toxicity (repeated exposure)	Category 2
Aspiration hazard	Category 1

Hazards not otherwise classified (HNOC)

Not applicable.

Label elements

Danger

Hazard statements
Flammable liquid and vapor.
Harmful if inhaled.
Causes skin irritation.
Causes eye irritation.
May cause genetic defects.
May cause cancer.
May cause respiratory irritation. May cause drowsiness or dizziness.
May cause damage to organs through prolonged or repeated exposure.
May be fatal if swallowed and enters airways.

Precautionary Statements - Prevention
Do not handle until all safety precautions have been read and understood.
Use only outdoors or in a well-ventilated area.
Wash face, hands and any exposed skin thoroughly after handling.
Do not breathe dust/fume/gas/mist/vapors/spray.
Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
Keep container tightly closed.
Keep cool.

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): Take off immediately all contaminated clothing. Rinse skin with water/ shower.
Wash contaminated clothing before reuse.
If skin irritation occurs: Get medical advice/attention.
IF INHALED: Remove person to fresh air and keep comfortable for breathing.
Do NOT induce vomiting.
IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.

Precautionary Statements - Storage
Store in a well-ventilated place. Keep container tightly closed.

Precautionary Statements - Disposal
Disposal should be in accordance with applicable local, regional, and national laws and regulations..

Unknown acute toxicity
85 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (dust/mist).

Other Information
No information available.

3. Composition/information on ingredients

Substance

Not applicable.

Mixture

Common name Solvent-based White Mastic.

Synonyms SEALANT.

Chemical nature Organic solvents and additives.

Chemical name	CAS No.	Weight-%	Trade secret
Aromatic Naptha (with <0.1% Benzene)	64742-95-6	20-25	*
Mineral Spirits (with < 0.1% Benzene)	8052-41-3	10-15	*
1,2,4 Trimethylbenzene	95-63-6	10-15	*
Hydrated Aluminum-Magnesium Silicate	12174-11-7	5-10	*
Titanium Dioxide (Non Carcinogenic)	13463-67-7	1-5	*

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

4. First-aid measures

Description of first aid measures

General advice IF exposed or concerned: Get medical advice/attention. Show this safety data sheet to the doctor in attendance.

Inhalation Remove to fresh air. Aspiration into lungs can produce severe lung damage. If breathing has stopped, give artificial respiration. Get medical attention immediately. Avoid direct contact with skin. Use barrier to give mouth-to-mouth resuscitation.

Eye contact Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Keep eye wide open while rinsing. Do not rub affected area. Get medical attention if irritation develops and persists.

Skin contact Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. Get medical attention if irritation develops and persists.

Ingestion Do NOT induce vomiting. If vomiting occurs spontaneously, keep head below hips to prevent aspiration. Rinse mouth. Never give anything by mouth to an unconscious person. ASPIRATION HAZARD IF SWALLOWED - CAN ENTER LUNGS AND CAUSE DAMAGE. Consult a physician if necessary. Not an expected route of exposure.

Self-protection of the first aider Remove all sources of ignition. Ensure that medical personnel are aware of the material(s) involved, take precautions to protect themselves and prevent spread of contamination. Use personal protective equipment as required. Avoid direct contact with skin. Use barrier to give mouth-to-mouth resuscitation. Avoid contact with skin, eyes or clothing. Avoid breathing vapors or mists.

Most important symptoms and effects, both acute and delayed

Symptoms Difficulty in breathing. Coughing and/ or wheezing. Dizziness. Inhalation of high vapor concentrations may cause symptoms like headache, dizziness, tiredness, nausea and vomiting.

Effects of Exposure May cause cancer. Mutagenic effects. May cause damage to organs through prolonged or repeated exposure.

Indication of any immediate medical attention and special treatment needed

Note to physicians Treat symptomatically.

5. Fire-fighting measures

Suitable Extinguishing Media Dry chemical. Carbon dioxide (CO2). Water spray. Alcohol resistant foam.

Unsuitable extinguishing media Do not scatter spilled material with high pressure water streams.

Specific hazards arising from the chemical Risk of ignition. Keep product and empty container away from heat and sources of ignition.

Hazardous combustion products Thermal decomposition (burning) may release irritating, corrosive and/or toxic gases, vapors and fumes.

Explosion data

Sensitivity to mechanical impact None.

Sensitivity to static discharge Yes.

Special protective equipment and precautions for fire-fighters Use personal protection equipment.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Personal precautions Avoid contact with skin, eyes or clothing. Ensure adequate ventilation. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Do not touch or walk through spilled material. Avoid breathing vapors or mists.

For emergency responders Use personal protective equipment as required.

Methods and material for containment and cleaning up

Methods for containment Do not touch or walk through spilled material. Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal.

Methods for cleaning up Soak up with inert absorbent material. Pick up and transfer to properly labeled containers.

Prevention of secondary hazards Clean contaminated objects and areas thoroughly observing environmental regulations.

7. Handling and storage

Precautions for safe handling

Advice on safe handling Avoid breathing vapors or mists. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Use according to package label instructions. Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Do not eat, drink or smoke when using this product. Take off contaminated clothing and wash before reuse.

Conditions for safe storage, including any incompatibilities

Storage Conditions Keep containers tightly closed in a dry, cool and well-ventilated place. Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity). Keep in properly labeled containers. Store in accordance with local regulations. Keep out of the reach of children.

8. Exposure controls/personal protection

Control parameters

Exposure Limits No ACGIH or OSHA PEL is assigned to this mixture.

This product, as supplied, is not believed to contain any hazardous material that exceeds exposure limits established by OSHA.

Exposure limits for the component materials are shown below.

Chemical name	ACGIH TLV	OSHA PEL	NIOSH
Mineral Spirits (with < 0.1% Benzene) 8052-41-3	TWA: 100 ppm	TWA: 500 ppm TWA: 2900 mg/m³ (vacated) TWA: 100 ppm (vacated) TWA: 525 mg/m³	IDLH: 20000 mg/m³ Ceiling: 1800 mg/m³ 15 min TWA: 350 mg/m³
1,2,4 Trimethylbenzene 95-63-6	TWA: 10 ppm	-	TWA: 25 ppm TWA: 125 mg/m³
Hydrated Aluminum-Magnesium Silicate 12174-11-7	TWA: 1 mg/m³ respirable particulate matter	-	-
Titanium Dioxide (Non Carcinogenic) 13463-67-7	TWA: 0.2 mg/m³ nanoscale respirable particulate matter TWA: 2.5 mg/m³ finescale respirable particulate matter	TWA: 15 mg/m³ total dust (vacated) TWA: 10 mg/m³ total dust	IDLH: 5000 mg/m³ TWA: 2.4 mg/m³ CIB 63 fine TWA: 0.3 mg/m³ CIB 63 ultrafine, including engineered nanoscale

Appropriate engineering controls

Engineering controls None under normal use conditions.

Individual protection measures, such as personal protective equipment

Eye/face protection Avoid contact with eyes.

Hand protection Wear suitable gloves.

Skin and body protection Wear suitable protective clothing. Long sleeved clothing.

Respiratory protection No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.

General hygiene considerations Do not eat, drink or smoke when using this product. Wash hands before breaks and immediately after handling the product. Avoid contact with skin, eyes or clothing. Regular cleaning of equipment, work area and clothing is recommended.

9. Physical and chemical properties

Information on basic physical and chemical properties

Physical state Liquid
Appearance Viscous
Color White
Odor Solvent (Mineral Spirits)
Odor threshold 1-30 PPM. Odor thresholds vary greatly. Do not rely on odor threshold alone to determine

potentially hazardous substances.

Property	Values	Remarks • Method
pH	Not applicable	7.0
pH (as aqueous solution)		None known
Melting point/freezing point	None / -70 None / -94	Melting Point is not applicable. Freezing points are shown.
Boiling point / boiling range	> 154 °C / 309.2 °F	
Flash point	> 40.5 °C / 104.90 °F	Setaflash
Evaporation rate	0.1	Butly acetate = 1
Flammability (solid, gas)		
Flammability Limit in Air		Flammable above 105 degrees F and 40.5 degrees C.
Upper flammability limit:	7.0	
Lower flammability limit:	1.6	
Vapor pressure	0.3 (kPa)	@ 20 °C
Vapor density	5.3	Where: Air = 1 at 68 degrees F (20 degrees C)
Relative density	1.30	Water = 1g/ml
Water solubility	No data available Insoluble	Reacts with water to form carbon dioxide
Solubility(ies)	No data available.	Insoluable
Partition coefficient	No data available.	No data available.
Autoignition temperature	330 °C / 626 °F	
Decomposition temperature		
Kinematic viscosity		
Dynamic viscosity	No data available.	@ 25 °C

Other information	
Explosive properties	No information available
Oxidizing properties	No information available
Softening point	Not applicable
Molecular weight	N/A
VOC Content (%)	Less than 300 g/l
Density	10.7 to 10.9 10lb/gal
Bulk density	Not applicable

10. Stability and reactivity

Reactivity No information available.

Chemical stability Stable under normal conditions.

Possibility of hazardous reactions None under normal processing.

Hazardous polymerization Hazardous polymerization does not occur.

Conditions to avoid Heat, flames and sparks. Excessive heat.

Incompatible materials Strong acids. Strong bases. Strong oxidizing agents.

Hazardous decomposition products Combustion may produce carbon monoxide, carbon dioxide, and other asphyxiants.

11. Toxicological information

Information on likely routes of exposure

Product Information The IARC Monograph (Vol 93, 2010, Carbon Black, Titanium Dioxide, Talc) states:Operators in user industries who handle fluffy or pelleted Carbon Black during rubber, paint and ink production are expected to have significantly lower exposures to Carbon Black than workers in Carbon Black production. Other workers in user industries who handle it

occasionally have little opportunity for exposure.And further…"End-users of these products (rubber, ink or paint) are unlikely to be exposed to airborne Carbon Black particles, which are bound within the product matrix.".

Inhalation Specific test data for the substance or mixture is not available.

Eye contact Specific test data for the substance or mixture is not available.

Skin contact Specific test data for the substance or mixture is not available.

Ingestion Specific test data for the substance or mixture is not available. Not an expected route of exposure.

Symptoms related to the physical, chemical and toxicological characteristics

Symptoms Difficulty in breathing. Coughing and/ or wheezing. May cause redness and tearing of the eyes. Inhalation of high vapor concentrations may cause symptoms like headache, dizziness, tiredness, nausea and vomiting.

Acute toxicity Harmful by inhalation.

Numerical measures of toxicity

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

ATEmix (oral)	5,750.10 mg/kg
ATEmix (dermal)	2,278.80 mg/kg
ATEmix (inhalation-gas)	99,999.00 ppm
ATEmix (inhalation-vapor)	99,999.00 mg/l
ATEmix (inhalation-dust/mist)	1.85 mg/l

Unknown acute toxicity

85 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (dust/mist)

Component Information

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Aromatic Naptha (with <0.1% Benzene) 64742-95-6	= 8400 mg/kg (Rat)	> 2000 mg/kg (Rabbit)	= 3400 ppm (Rat) 4 h
Mineral Spirits (with < 0.1% Benzene) 8052-41-3	-	> 3000 mg/kg (Rabbit)	> 5.5 mg/L (Rat) 4 h
1,2,4 Trimethylbenzene 95-63-6	= 3280 mg/kg (Rat)	> 3160 mg/kg (Rabbit)	= 18 g/m^3 (Rat) 4 h
Titanium Dioxide (Non Carcinogenic) 13463-67-7	> 10000 mg/kg (Rat)	-	= 5.09 mg/L (Rat) 4 h

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

Skin corrosion/irritation Classification based on data available for ingredients. Causes skin irritation.

Serious eye damage/eye irritation Classification based on data available for ingredients. Causes eye irritation.

Respiratory or skin sensitization No information available.

Germ cell mutagenicity Contains a known or suspected mutagen. Classification based on data available for ingredients. May cause genetic defects.

Carcinogenicity Contains a known or suspected carcinogen. Classification based on data available for

ingredients. May cause cancer.

The table below indicates whether each agency has listed any ingredient as a carcinogen.

Chemical name	ACGIH	IARC	NTP	OSHA
Hydrated Aluminum-Magnesium Silicate 12174-11-7	-	Group 2B	-	X
Titanium Dioxide (Non Carcinogenic) 13463-67-7	A3	Group 2B	-	X

Legend

ACGIH (American Conference of Governmental Industrial Hygienists)
A3 - Animal Carcinogen
IARC (International Agency for Research on Cancer)
Group 2B - Possibly Carcinogenic to Humans
Occupational Safety and Health Administration of the US Department of Labor
X - Present

Reproductive toxicity No information available.

Developmental Toxicity None known for product as a whole.

Teratogenicity None known.

STOT - single exposure May cause respiratory irritation. May cause drowsiness or dizziness.

STOT - repeated exposure May cause damage to organs through prolonged or repeated exposure.

Target organ effects Kidney, Respiratory system, Eyes, Skin, Central nervous system, Blood, Lungs.

Aspiration hazard May be fatal if swallowed and enters airways.

Other adverse effects N/A.

Interactive effects No information available.

12. Ecological information

Ecotoxicity Toxicological testing has not been performed for this product overall. Available toxicological data for individual ingredients is summarized below.

Chemical name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Aromatic Naptha (with <0.1% Benzene) 64742-95-6	-	LC50: =9.22mg/L (96h, Oncorhynchus mykiss)	-	EC50: =6.14mg/L (48h, Daphnia magna)
1,2,4 Trimethylbenzene 95-63-6	-	LC50: 7.19 - 8.28mg/L (96h, Pimephales promelas)	-	EC50: =6.14mg/L (48h, Daphnia magna)

Persistence and degradability N/A.

Bioaccumulation

Component Information

Chemical name	Partition coefficient
1,2,4 Trimethylbenzene 95-63-6	3.63

Other adverse effects No information available.

13. Disposal considerations

Waste treatment methods

Waste from residues/unused products Dispose of in accordance with local regulations.

Contaminated packaging Dispose of contents/containers in accordance with local regulations.

14. Transport information

DOT Regulated UN 1993 DOT Ground: Not regulated if containers are less than119 gallons (450 liters).
DOT Ground: Regulated if shipped in containers >119 gallons (450 liters).

Proper shipping name Combustible liquid, n.o.s (mineral spirits)
Hazard Class 3
Packing Group III

TDG Regulated
UN/ID no. NA 1993
Proper shipping name Combustible liquid, n.o.s (mineral spirits)
Hazard Class 3
Packing Group III

MEX Regulated
UN/ID no. NA 1993
Proper shipping name Combustible liquid, n.o.s. Aerosol

ICAO (air) Regulated
UN/ID no. 1993

IATA Regulated
UN number or ID number 1993

IMDG Regulated
UN number or ID number 1993

15. Regulatory information

International Inventories

TSCA All of the components of this product are listed on the US TSCA (Toxic Substances Control Act) Inventory or are exempt.

Chemical name	CAS No.	Inventory Listing Status	Commercial Activity Designation
Styrene/Butadiene Copolymer	66070-58-4	Present	Active
Aromatic Naptha (with <0.1% Benzene)	64742-95-6	Present	Active
Hydrocarbon Resin	69430-35-9	Present	Active
Mineral Spirits (with < 0.1% Benzene)	8052-41-3	Present	Active
1,2,4 Trimethylbenzene	95-63-6	Present	Active
Hydrated Aluminum-Magnesium Silicate	12174-11-7	-	Unknown *
Titanium Dioxide (Non Carcinogenic)	13463-67-7	Present	Active
Polyethylene homopolymer	9002-88-4	Present	Active

DSL/NDSL All of the components of this product are listed on the DSL.
EINECS/ELINCS All components are listed.
TCSI Contact supplier for inventory compliance status.

Legend:
TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List
EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances
ENCS - Japan Existing and New Chemical Substances
IECSC - China Inventory of Existing Chemical Substances
KECL - Korean Existing and Evaluated Chemical Substances
PICCS - Philippines Inventory of Chemicals and Chemical Substances
AICS - Australian Inventory of Chemical Substances
NZIoC - New Zealand Inventory of Chemicals
TCSI - Taiwan Chemical Substance Inventory

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	SARA 313 - Threshold Values %
1,2,4 Trimethylbenzene - 95-63-6	1.0

SARA 311/312 Hazard Categories
Should this product meet EPCRA 311/312 Tier reporting criteria at 40 CFR 370, refer to Section 2 of this SDS for appropriate classifications.

CWA (Clean Water Act)
This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

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.

US State Regulations

California Proposition 65

This product contains the following Proposition 65 chemicals:.

Chemical name	California Proposition 65
Hydrated Aluminum-Magnesium Silicate - 12174-11-7	Carcinogen
Titanium Dioxide (Non Carcinogenic) - 13463-67-7	Carcinogen

U.S. State Right-to-Know Regulations

Chemical name	New Jersey	Massachusetts	Pennsylvania
Mineral Spirits (with < 0.1% Benzene) 8052-41-3	X	X	X
1,2,4 Trimethylbenzene 95-63-6	X	X	X
Titanium Dioxide (Non Carcinogenic) 13463-67-7	X	X	X

U.S. EPA Label Information

EPA Pesticide Registration Number Not applicable

16. Other information

NFPA **Health hazards** 3 **Flammability** 2 **Instability** 0 **Special hazards** -
HMIS **Health hazards** 2 * **Flammability** 2 **Physical hazards** 0 **Personal protection** -
Chronic Hazard Star Legend ** = Chronic Health Hazard*

Key or legend to abbreviations and acronyms used in the safety data sheet

Legend
SVHC: Substances of Very High Concern for Authorization:
PBT: Persistent, Bioaccumulative, and Toxic (PBT) Substances
vPvB: Very Persistent and very Bioaccumulative (vPvB) Substances
STOT: Specific Target Organ Toxicity
ATE: Acute Toxicity Estimate
LC50: 50% Lethal Concentration
LD50: 50% Lethal Dose

Legend Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

TWA	TWA (time-weighted average)	STEL	STEL (Short Term Exposure Limit)
Ceiling	Maximum limit value	*	Skin designation
+	Sensitizers		

Key literature references and sources for data used to compile the SDS
Agency for Toxic Substances and Disease Registry (ATSDR)
U.S. Environmental Protection Agency ChemView Database
European Food Safety Authority (EFSA)
Environmental Protection Agency
Acute Exposure Guideline Level(s) (AEGL(s))
U.S. Environmental Protection Agency Federal Insecticide, Fungicide, and Rodenticide Act
U.S. Environmental Protection Agency High Production Volume Chemicals
Food Research Journal
Hazardous Substance Database
International Uniform Chemical Information Database (IUCLID)
National Institute of Technology and Evaluation (NITE)
Australia National Industrial Chemicals Notification and Assessment Scheme (NICNAS)
NIOSH (National Institute for Occupational Safety and Health)
National Library of Medicine's ChemID Plus (NLM CIP)
National Library of Medicine’s PubMed database (NLM PUBMED)

U.S. National Toxicology Program (NTP)
New Zealand's Chemical Classification and Information Database (CCID)
Organization for Economic Co-operation and Development Environment, Health, and Safety Publications
Organization for Economic Co-operation and Development High Production Volume Chemicals Program
Organization for Economic Co-operation and Development Screening Information Data Set
World Health Organization

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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.