



Safety Data Sheet PA-311 M Adhesive

SECTION 1: Identification

1.1 GHS Product identifier

Product name PA-311 M Adhesive

1.4 Supplier's details

Name Siplast
Address 14911 Quorum Drive
Suite 600
Dallas, TX 75254

Telephone 800-922-8800

1.5 Emergency phone number 800-424-9300 (CHEMTREC)

SECTION 2: Hazard identification

General hazard statement

None known.

2.1 Classification of the substance or mixture

GHS classification in accordance with: OSHA (29 CFR 1910.1200)

- Carcinogenicity, Cat. 1A
- Carcinogenicity, Cat. 1B
- Eye damage/irritation, Cat. 2A
- Flammable liquids, Cat. 3
- Germ cell mutagenicity, Cat. 1A
- Germ cell mutagenicity, Cat. 1B
- Skin corrosion/irritation, Cat. 2
- Specific target organ toxicity (repeated exposure), Cat. 2
- Specific target organ toxicity (single exposure), Cat. 3

2.2 GHS label elements, including precautionary statements

Pictograms



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Signal word

Danger

Hazard statement(s)

H226	Flammable liquid and vapor
H315	Causes skin irritation
H319	Causes serious eye irritation
H335	May cause respiratory irritation
H336	May cause drowsiness or dizziness
H340	May cause genetic defects
H350	May cause cancer
H373	May cause damage to organs through prolonged or repeated exposure

Precautionary statement(s)

P201	Obtain special instructions before use.
P202	Do not handle until all safety precautions have been read and understood.
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/vapors/spray.
P261	Avoid breathing dust/fume/gas/mist/vapors/spray.
P264	Wash thoroughly after handling.
P271	Use only outdoors or in a well-ventilated area.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P302+P352	IF ON SKIN: Wash with plenty of water.
P303+P361+P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
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/doctor if you feel unwell.
P314	Get medical advice/attention if you feel unwell.
P321	Specific treatment (see Section 4 of this SDS).
P332+P313	If skin irritation occurs: Get medical advice/attention.
P337+P313	If eye irritation persists: Get medical advice/attention.
P362+P364	Take off contaminated clothing and wash it before reuse.
P370+P378	In case of fire: Use appropriate media to extinguish.
P403+P233	Store in a well-ventilated place. Keep container tightly closed.
P403+P235	Store in a well-ventilated place. Keep cool.
P405	Store locked up.
P501	Dispose of contents/container to in accordance with local/regional/national/international regulations.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Hazardous components

1. Bitumens extracts of steam-refined and air-refined

Concentration	40 - 50 % (weight)
CAS no.	8052-42-4

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2. Stoddard solvent

Concentration	10 - 20 % (weight)
EC no.	232-489-3
CAS no.	8052-41-3

- Flammable liquids, Cat. 3
- Aspiration hazard, Cat. 1
- Skin corrosion/irritation, Cat. 2
- Specific target organ toxicity (repeated exposure), Cat. 1
- Hazardous to the aquatic environment, long-term (chronic), Cat. 2

3. Naphtha (petroleum) hydrotreated heavy

Concentration	10 - 20 % (weight)
EC no.	265-150-3
CAS no.	64742-48-9

- Aspiration hazard, Cat. 1
- Germ cell mutagenicity, Cat. 1B
- Carcinogenicity, Cat. 1B
- Flammable liquids, Cat. 3

4. 1,2,4-Trimethylbenzene

Concentration	1 - 10 % (weight)
EC no.	202-436-9
CAS no.	95-63-6
Index no.	601-043-00-3

- Flammable liquids, Cat. 3
- Acute toxicity, inhalation, Cat. 4
- Specific target organ toxicity (single exposure), Cat. 3
- Skin corrosion/irritation, Cat. 2
- Eye damage/irritation, Cat. 2A
- Hazardous to the aquatic environment, long-term (chronic), Cat. 2

H226	Flammable liquid and vapor
H315	Causes skin irritation
H319	Causes serious eye irritation
H332	Harmful if inhaled
H335	May cause respiratory irritation
H411	Toxic to aquatic life with long lasting effects

5. Palygorskite fibers (> 5mm in length)

Concentration	1 - 10 % (weight)
CAS no.	12174-11-7

6. Distillates (petroleum), steam-cracked, polymers with light steam-cracked petroleum naphtha

Concentration	1 - 10 % (weight)
CAS no.	68410-16-2

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7. Solvent naphtha (petroleum), light arom

Concentration	1 - 10 % (weight)
EC no.	292-695-4
CAS no.	90989-39-2
Index no.	649-403-00-9

- Carcinogenicity, Cat. 1B
- Germ cell mutagenicity, Cat. 1B
- Aspiration hazard, Cat. 1

H304	May be fatal if swallowed and enters airways
H340	May cause genetic defects [route]
H350	May cause cancer [route]

8. Silica, crystalline

Concentration	< 1 % (weight)
EC no.	238-878-4
CAS no.	14808-60-7

- Carcinogenicity, Cat. 1A
- Specific target organ toxicity (repeated exposure), Cat. 1

SECTION 4: First-aid measures

4.1 Description of necessary first-aid measures

General advice	Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. If you feel unwell, seek medical advice (show the label where possible). Show this safety data sheet to the doctor in attendance.
If inhaled	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a poison center or doctor/physician if you feel unwell.
In case of skin contact	For hot product, immediately immerse in or flush the affected area with large amounts of cold water to dissipate heat. If clothing sticks to the skin, do not remove. For minor skin contact, avoid spreading material on unaffected skin. Take off immediately all contaminated clothing. Wash contaminated clothing before reuse. Call a physician or poison control center immediately.
In case of eye contact	Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops and persists.
If swallowed	Rinse mouth thoroughly. Do not induce vomiting. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs. Call a physician or poison control center immediately.

4.2 Most important symptoms/effects, acute and delayed

May cause skin dryness or cracking. Skin irritation. Causes serious eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Shortness of breath. Vapors have a narcotic effect and may cause headache, fatigue, dizziness and nausea. May cause redness and pain. Unconsciousness.

4.3 Indication of immediate medical attention and special treatment needed, if necessary

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Provide general supportive measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed.

SECTION 5: Fire-fighting measures

5.1 Suitable extinguishing media

Foam. Carbon dioxide (CO₂). Water fog. Dry chemical powder.

5.2 Specific hazards arising from the chemical

Vapors may form explosive mixtures with air. Vapors may travel considerable distance to a source of ignition and flash back. During fire, gases hazardous to health may be formed.

5.3 Special protective actions for fire-fighters

Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA.

In case of fire and/or explosion do not breathe fumes. Move containers from fire area if you can do so without risk. In the event of fire, cool tanks with water spray. Some of these materials, if spilled, may evaporate leaving a flammable residue.

Use standard firefighting procedures and consider the hazards of other involved materials. Self-contained breathing apparatus and full protective clothing must be worn in case of fire. Move container from fire area if it can be done without risk. In the event of fire and/or explosion do not breathe fumes.

Further information

Unsuitable extinguishing media: Do not use water jet as an extinguisher, as this will spread the fire.

General fire hazards: Flammable liquid and vapor.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Keep unnecessary personnel away. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Ventilate closed spaces before entering them. Keep out of low areas. Wear appropriate protective equipment and clothing during clean-up. Avoid breathing mist/vapors. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Do not touch or walk through spilled material. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.

6.2 Environmental precautions

Prevent further leakage or spillage if safe to do so. Do not contaminate water. Avoid discharge into drains, water courses or onto the ground. If this material is spilled into navigable waters and creates a visible sheen, it is reportable to the National Response Center.

6.3 Methods and materials for containment and cleaning up

Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Keep combustibles (wood, paper, oil, etc.) away from spilled material. Take precautionary measures against static discharge. Use only non-sparking tools.

Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal. Following product recovery, flush area with water.

Small Spills: Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal. Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

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Never return spills to original containers for re-use. Put material in suitable, covered, labeled containers. For waste disposal, see section 13 of the SDS.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not handle, store or open near an open flame, sources of heat or sources of ignition. Protect material from direct sunlight. Explosion-proof general and local exhaust ventilation. Take precautionary measures against static discharges. All equipment used when handling the product must be grounded. Use non-sparking tools and explosion-proof equipment. Avoid breathing mist/vapors. Avoid contact with eyes, skin, and clothing. Avoid prolonged exposure. Should be handled in closed systems, if possible. Do not use in areas without adequate ventilation. Wear appropriate personal protective equipment. Wash thoroughly after handling. Do not empty into drains. Observe good industrial hygiene practices. Hydrogen sulfide, a very highly toxic gas, may be present with this material. Keep face clear of tank and/or tank car openings. Avoid release to the environment.

7.2 Conditions for safe storage, including any incompatibilities

Store locked up. Keep away from heat, sparks and open flame. Prevent electrostatic charge build-up by using common bonding and grounding techniques. This material can accumulate static charge which may cause spark and become an ignition source. Store in a cool, dry place out of direct sunlight. Store in tightly closed container. Store in a well-ventilated place. Keep away from food, drink and animal feedingstuffs. Keep in an area equipped with sprinklers. Store away from incompatible materials (see Section 10 of the SDS). Keep out of the reach of children.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

1. Bitumens extracts of steam-refined and air-refined (CAS: 8052-42-4)

TWA (Inhalation): 5 mg/m³; Australia (AU/SWA)

2. Stoddard solvent (CAS: 8052-41-3)

TLV® (Inhalation): 100 ppm, 525 mg/m³ (ACGIH)
eye, skin, kidney damage, nausea, CNS impair

REL-TWA (Inhalation): 350 mg/m³ (NIOSH)

REL-ST (Inhalation): 350 mg/m³, 1800 mg/m³ (NIOSH)

PEL-TWA (Inhalation): 500 ppm (2900 mg/m³) (OSHA)

PEL-C (Inhalation): 100 ppm (Cal/OSHA)

TWA (Inhalation): 790 mg/m³; Australia (AU/SWA)

Advisory carc cat: Carc. 1B

3. Naphtha (petroleum) hydrotreated heavy (CAS: 64742-48-9 EC: 265-150-3)

PEL-TWA (Inhalation): 400 mg/m³ / 100 ppm (OSHA)

4. Silica, crystalline (CAS: 14808-60-7 EC: 238-878-4)

PEL-TWA (Inhalation): 10 mg/m³ / (% Silica + 2) respirable 30 mg/m³ / (% Silica + 2) total (OSHA)
OSHA Annotated Table Z-1, www.osha.gov

PEL (Inhalation): 0.05 mg/m³ (Cal/OSHA)

OSHA Annotated Table Z-1, www.osha.gov

REL (Inhalation): Ca 0.05 mg/m³ (NIOSH)

OSHA Annotated Table Z-1, www.osha.gov

TLV® (Inhalation): 0.025 mg/m³ (resp.) for α-quartz and cristobalite (ACGIH)

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TWA (Inhalation): 0.05 mg/m³; Australia (AU/SWA)

Advisory carc cat: Carc. 1A; Other advisory: - ; Notes: See Silica - Crystalline

8.2 Appropriate engineering controls

Provide adequate ventilation, including appropriate local extraction, to ensure that the defined occupational exposure limit is not exceeded. Provide eyewash station and safety shower.

8.3 Individual protection measures, such as personal protective equipment (PPE)

Eye/face protection

Wear safety glasses with side shields (or goggles).

Skin protection

Chemical resistant gloves are recommended. If contact with forearms is likely wear gauntlet style gloves.

Body protection

Wear appropriate chemical resistant clothing. Use of an impervious apron is recommended.

Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

Respiratory protection

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Thermal hazards

Wear appropriate thermal protective clothing, when necessary.

SECTION 9: Physical and chemical properties

Basic physical and chemical properties

Physical state	Liquid
Appearance	Viscous liquid
Color	Brown - black
Odor	Mild Petroleum Odor
Odor threshold	Not available.
Melting point/freezing point	Not available.
Boiling point or initial boiling point and boiling range	Not available.
Flammability	Not available.
Lower and upper explosion limit/flammability limit	Not available.
Flash point	> 100.0 - < 140.0 °F (> 37.8 - < 60.0 °C) Cleveland Open Cup
Explosive properties	No data available.
Auto-ignition temperature	Not available.
Decomposition temperature	Not available.
Oxidizing properties	No data available.
pH	Not available.
Kinematic viscosity	Not available.
Solubility	Not available.
Partition coefficient n-octanol/water (log value)	No data available.
Vapor pressure	Not available.
Evaporation rate	Not available.
Density and/or relative density	Not available.
Relative vapor density	Not available.

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Particle characteristics
No data available.

Supplemental information regarding physical hazard classes
No data available.

Further safety characteristics (supplemental)
No data available.

SECTION 10: Stability and reactivity

- 10.1 Reactivity**
The product is stable and non-reactive under normal conditions of use, storage and transport.
- 10.2 Chemical stability**
Material is stable under normal conditions.
- 10.3 Possibility of hazardous reactions**
Hazardous polymerization does not occur.
- 10.4 Conditions to avoid**
Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. Avoid temperatures exceeding the flash point. Contact with incompatible materials.
- 10.5 Incompatible materials**
Strong oxidizing agents.
- 10.6 Hazardous decomposition products**
Irritants. Sulfur oxides. Carbon oxides.

SECTION 11: Toxicological information

Information on toxicological effects

Acute toxicity

Components	Species	Test Results
1,2,4-TRIMETHYLBENZENE (CAS 95-63-6)		
<u>Acute</u> <u>Dermal</u> LD50	Rabbit	> 3160 mg/kg
<u>Oral</u> LD50	Rat	3280 mg/kg
ASPHALT (CAS 8052-42-4)		
<u>Acute</u> <u>Dermal</u> LD50	Rabbit	> 2000 mg/kg
<u>Oral</u> LD50	Rat	> 5000 mg/kg

* Estimates for product may be based on additional component data not shown.

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Skin corrosion/irritation

Causes skin irritation.

Serious eye damage/irritation

Causes serious eye irritation.

Respiratory or skin sensitization

Respiratory sensitisation: Not a respiratory sensitizer.

Skin sensitisation: None known.

Germ cell mutagenicity

May cause genetic defects.

IARC Monographs. Overall Evaluation of Carcinogenicity
ASPHALT (CAS 8052-42-4) 2B Possibly carcinogenic to humans.
ATTAPULGITE CLAY, HYDROUS MAGNESIUM ALUMINUM
SILICATE (CAS 12174-11-7)

2B Possibly carcinogenic to humans.
3 Not classifiable as to carcinogenicity to humans.

QUARTZ (CAS 14808-60-7) 1 Carcinogenic to humans.
SOLVENT NAPHTHA (PETROLEUM), LIGHT AROM.
(CAS 64742-95-6)

3 Not classifiable as to carcinogenicity to humans.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053)
QUARTZ (CAS 14808-60-7) Cancer
US. National Toxicology Program (NTP) Report on Carcinogens
ASPHALT (CAS 8052-42-4) Known To Be Human Carcinogen.
ATTAPULGITE CLAY, HYDROUS MAGNESIUM ALUMINUM
SILICATE (CAS 12174-11-7)

Reasonably Anticipated to be a Human Carcinogen.

QUARTZ (CAS 14808-60-7) Known To Be Human Carcinogen.

Carcinogenicity

May cause cancer.

Reproductive toxicity

Not available.

Specific target organ toxicity (STOT) - single exposure

May cause drowsiness or dizziness.

Specific target organ toxicity (STOT) - repeated exposure

May cause damage to organs through prolonged or repeated exposure.

Aspiration hazard

Not available.

Additional information

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Symptoms may be delayed.

SECTION 12: Ecological information

Toxicity

The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

Product		Species	Test Results
PA-311 M ADHESIVE			
Aquatic			
Crustacea	EC50	Daphnia	2939.8572 mg/l, 48 hours
Fish	LC50	Fish	12194.8398 mg/l, 96 hours
Acute			
Crustacea	EC50	Daphnia	8875 mg/l, 48 hours estimated
Fish	LC50	Fish	579.0843 mg/l, 96 hours estimated

Components		Species	Test Results
1,2,4-TRIMETHYLBENZENE (CAS 95-63-6)			
Aquatic			
Acute			
Fish	LC50	Fathead minnow (Pimephales promelas)	7.19 - 8.28 mg/l, 96 hours

* Estimates for product may be based on additional component data not shown.

Persistence and degradability

No data is available on the degradability of this product.

Bioaccumulative potential

Partition coefficient n-octanol / water (log Kow)

1,2,4-TRIMETHYLBENZENE 3.78

Mobility in soil

No data available.

Other adverse effects

No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

SECTION 13: Disposal considerations

Disposal methods

Product disposal

Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Incinerate the material under controlled conditions in an approved incinerator. Do not incinerate sealed containers. If discarded, this product is considered a RCRA ignitable waste, D001. Dispose of contents/container in accordance with local/regional/national/international regulations.

Packaging disposal

Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.

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Contaminated packaging: Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.

Waste treatment

Hazardous waste code: D001: Waste Flammable material with a flash point <140 F

The waste code should be assigned in discussion between the user, the producer and the waste disposal company.

Waste from residues/unused products: Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).

SECTION 14: Transport information

DOT (US)

UN Number: UN19999

Class: Combustible liquid

Label(s): 3

Packing Group: III

Proper Shipping Name: Tars, liquid

Marine pollutant: No

Special precautions for user: Read safety instructions, SDS and emergency procedures before handling. If shipped by ground in individual containers that are less than 119 gallons (450 L): Not regulated as a hazardous material. (49 CFR 173.121)

Special provisions: B1, B52, IB3, T4, TP1, TP29

Packaging exceptions: 150

Packaging non bulk: 203

Packaging bulk: 242

IMDG

UN Number: UN1999

Class: 3

Packing Group: III

EMS Number: F-E, S-E

Proper Shipping Name: Tars, liquid

Special precautions for user: Read safety instructions, SDS and emergency procedures before handling.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code: Not established.

IATA

UN Number: UN1999

Class: 3

Packing Group: III

Proper Shipping Name: Tars, liquid

Environmental hazards: No

ERG Code: 3L

Special precautions for user: Read safety instructions, SDS and emergency procedures before handling.

Passenger and cargo aircraft: Allowed with restrictions.

Cargo aircraft only: Allowed with restrictions.



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General information: If shipped by ground in individual containers that are less than 119 gallons (450 L): Not regulated as a hazardous material (49 CFR 173.121). If shipped by vessel in individual containers that are less than 119 gallons (450 L) each, then IMDG 2.3.2.5 exception applies. Not subject to the provisions for marking, labelling, and testing of packages. "Transport in accordance with 2.3.2.5 of the IMDG code."

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations specific for the product in question

New Jersey Right To Know Components

Common name: ASPHALT

CAS number: 8052-42-4

Pennsylvania Right To Know Components

Chemical name: Asphalt

CAS number: 8052-42-4

Canadian Domestic Substances List (DSL)

Chemical name: Asphalt

CAS: 8052-42-4

SARA 311/312 Hazards

SARA 313 Components

SARA 302 Components

Canadian Domestic Substances List (DSL)

Chemical name: Stoddard solvent

CAS: 8052-41-3

Massachusetts Right To Know Components

Chemical name: 1,2,4-Trimethylbenzene

CAS number: 95-63-6

New Jersey Right To Know Components

Common name: PSEUDOCUMENE

CAS number: 95-63-6

Pennsylvania Right To Know Components

Chemical name: Pseudocumene

CAS number: 95-63-6

Canadian Domestic Substances List (DSL)

Chemical name: Benzene, 1,2,4-trimethyl-

CAS: 95-63-6

California Prop. 65 components

Chemical name: Palygorskite fibers (> 5mm in length)

CAS number: 12174-11-7

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12/28/1999 - Cancer

Canadian Domestic Substances List (DSL)

Chemical name: Distillates (petroleum), steam-cracked, polymers with light steam-cracked petroleum naphtha
CAS: 68410-16-2

Canadian Domestic Substances List (DSL)

Chemical name: Naphtha (petroleum), light, C5-rich, sweetened
CAS: 92045-60-8

Canadian Domestic Substances List (DSL)

Chemical name: Naphtha (petroleum), sweetened light
CAS: 101795-01-1

Canadian Domestic Substances List (DSL)

Chemical name: Solvent naphtha (petroleum), light arom.
CAS: 64742-95-6

New Jersey Right To Know Components

Common name: SILICA, QUARTZ
CAS number: 14808-60-7

Massachusetts Right To Know Components

Chemical name: Quartz
CAS number: 14808-60-7

California Prop. 65 Components

WARNING! This product contains a chemical known to the State of California to cause cancer.
Quartz
CAS-No. 14808-60-7

Pennsylvania Right To Know Components

Chemical name: Quartz
CAS number: 14808-60-7

Canadian Domestic Substances List (DSL)

Chemical name: Quartz (SiO₂)
CAS: 14808-60-7

California Prop. 65 components

Chemical name: Silica, crystalline
CAS number: 14808-60-7
10/01/1988 - Cancer

HMIS Rating

PA-311 M Adhesive	
HEALTH	2
FLAMMABILITY	2
PHYSICAL HAZARD	0

SECTION 16: Other information

16.1 Further information/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. Siplast cannot anticipate all conditions under which this information and its product, or the products of other manufacturers in combination with its product, may be used. It is the user's responsibility to ensure safe conditions for handling, storage and disposal of the product, and to assume liability for loss, injury, damage or expense due to improper use. The information in the sheet was written based on the best knowledge and experience currently available.