



Safety Data Sheet Paratech Adhesive

SECTION 1: Identification

1.1 GHS Product identifier

Product name Paratech 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

2.1 Classification of the substance or mixture

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

- 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



Signal word Danger

Hazard statement(s)

Safety Data Sheet

Paratech Adhesive

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
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 on 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 ... 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 in accordance with local/regional/national/international regulations.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Hazardous components

1. Asphalt, oxidized

Concentration	25 - 35 % (weight)
EC no.	265-196-4
CAS no.	64742-93-4

Safety Data Sheet

Paratech Adhesive

2. Stoddard solvent

Concentration	20 - 30 % (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	20 - 30 % (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. Bitumens extracts of steam-refined and air-refined

Concentration	10 - 20 % (weight)
CAS no.	8052-42-4

5. Palygorskite fibers (> 5mm in length)

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

6. 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	Take off all contaminated clothing immediately. IF exposed or concerned: Get medical advice/attention. 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 physician if symptoms develop or persist.

Safety Data Sheet

Paratech Adhesive

In case of skin contact	Wash off immediately with soap and plenty of water. Take off immediately all contaminated clothing. Wash contaminated clothing before reuse. Get medical attention if irritation develops and persists.
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 immediately.
If swallowed	Rinse mouth. Do not induce vomiting without advice from poison control center. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs. Never give anything by mouth to a victim who is unconscious or is having convulsions. Call a physician or poison control center immediately.

4.2 Most important symptoms/effects, acute and delayed

May cause drowsiness or dizziness. Headache. Nausea, vomiting. Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. May cause respiratory irritation. Skin irritation. May cause redness and pain.

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

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

Water fog. Alcohol resistant foam. Dry chemical powder. Carbon dioxide (CO₂).

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.

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.

Fire fighting equipment/instructions: Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA. In the event of fire, cool tanks with water spray. In case of fire and/or explosion do not breathe fumes.

Specific methods: Use standard firefighting procedures and consider the hazards of other involved materials.

Further information

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

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). 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. Ventilate closed spaces before entering them. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.

Safety Data Sheet

Paratech Adhesive

6.2 Environmental precautions

Avoid discharge into drains, water courses or onto the ground.

6.3 Methods and materials for containment and cleaning up

Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Prevent entry into waterways, sewer, basements or confined areas. 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. Keep combustibles (wood, paper, oil, etc.) away from spilled material. Following product recovery, flush area with water.

Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

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

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. When using do not smoke. 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. Wear appropriate personal protective equipment.

7.2 Conditions for safe storage, including any incompatibilities

Store in a well-ventilated place. Keep in an area equipped with sprinklers. Store locked up. Store in a cool, dry place out of direct sunlight. Store in tightly closed container. Store away from incompatible materials (see Section 10 of the SDS). Keep away from heat and sources of ignition. Prevent electrostatic charge build-up by using common bonding and grounding techniques.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

1. 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

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

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

Safety Data Sheet

Paratech Adhesive

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

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

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)

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.

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.

General hygiene considerations: Observe any medical surveillance requirements. 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. When using do not smoke.

Respiratory protection

In case of insufficient ventilation, wear suitable respiratory equipment.

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 to Black
Odor	Mild Petroleum Odor
Odor threshold	Not available.
Melting point/freezing point	Not available.
Boiling point or initial boiling point and boiling range	212 °F (100 °C)
Flammability	Not available.
Lower and upper explosion limit/flammability limit	Not available.

Safety Data Sheet
Paratech Adhesive

Flash point	≥ 100.0 - ≤ 140.0 °F (≥ 37.8 - ≤ 60.0 °C) Cleveland Open Cup
Explosive properties	Not explosive.
Auto-ignition temperature	Not available.
Decomposition temperature	Not available.
Oxidizing properties	Not oxidizing.
pH	Not available.
Kinematic viscosity	Not available.
Solubility	Not available.
Partition coefficient n-octanol/water (log value)	Not available.
Vapor pressure	3.88 hPa estimated
Evaporation rate	Not available.
Density and/or relative density	>1
Relative vapor density	Not available.

Particle characteristics

Specific gravity: 1.1
VOC: <250 g/L

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. Strong reducing agents. Alkalines. Acids. This product reacts with hydrofluoric acid. Halogens.

10.6 Hazardous decomposition products

Carbon dioxide. Carbon monoxide.

SECTION 11: Toxicological information

Information on toxicological effects

Acute toxicity

Not known. Not classified.

Components	Species	Test Results
ASPHALT (CAS 8052-42-4)		
<u>Acute</u>		
<u>Dermal</u>		
LD50	Rabbit	> 2000 mg/kg

Safety Data Sheet

Paratech Adhesive

Oral
LD50

Rat

> 5000 mg/kg

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

Skin corrosion/irritation

Causes skin irritation.

Serious eye damage/irritation

May be irritating to eyes.

Respiratory or skin sensitization

Respiratory sensitization: Not a respiratory sensitizer.

Skin sensitization: Not a skin sensitizer.

Germ cell mutagenicity

May cause genetic defects.

Carcinogenicity

May cause cancer.

IARC Monographs. Overall Evaluation of Carcinogenicity

ASPHALT (CAS 8052-42-4)	2B Possibly carcinogenic to humans.
ASPHALT, OXIDIZED (CAS 64742-93-4)	2A Probably carcinogenic to humans.
ATTAPULGITE (CAS 12174-11-7)	2B Possibly carcinogenic to humans.
	3 Not classifiable as to carcinogenicity to humans.
MINERAL SPIRITS (CAS 8052-41-3/64742-48-9)	3 Not classifiable as to carcinogenicity to humans.
QUARTZ (CAS 14808-60-7)	1 Carcinogenic to humans.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053)

QUARTZ (CAS 14808-60-7)	Cancer
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US. National Toxicology Program (NTP) Report on Carcinogens

ASPHALT (CAS 8052-42-4)	Known To Be Human Carcinogen.
ATTAPULGITE (CAS 12174-11-7)	Reasonably Anticipated to be a Human Carcinogen.
QUARTZ (CAS 14808-60-7)	Known To Be Human Carcinogen.

Reproductive toxicity

Not classified.

Specific target organ toxicity (STOT) - single exposure

May cause drowsiness or dizziness. Central nervous system.

Specific target organ toxicity (STOT) - repeated exposure

May cause damage to organs through prolonged or repeated exposure.

Aspiration hazard

Not classified.

Additional information

Chronic effects: Prolonged inhalation may be harmful. Prolonged exposure may cause chronic effects.

SECTION 12: Ecological information

Toxicity

Safety Data Sheet

Paratech Adhesive

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

PARATECH ADHESIVE

Aquatic
Crustacea EC50 Daphnia 4289.7461 mg/l, 48 hours
Fish LC50 Fish 262.6234 mg/l, 96 hours
Acute
Crustacea EC50 Daphnia 87600 mg/l, 48 hours estimated
Fish LC50 Fish 59000 mg/l, 96 hours estimated

Persistence and degradability

No data is available on the degradability of any ingredients in the mixture.

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

Dispose of this material and its container to hazardous or special waste collection point. If discarded, this product is considered a RCRA ignitable waste, D001. Dispose of contents/container in accordance with local/regional/national/international regulations. Dispose in accordance with all applicable 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.

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).

Other disposal recommendations

Dispose in accordance with all applicable regulations.

SECTION 14: Transport information

DOT (US)

UN Number: UN1999

Class: Comustible Liquid

Label(s): 3

Packing Group: III

Safety Data Sheet

Paratech Adhesive

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, B13, IB3, T1, TP3

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.



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, OXIDIZED

CAS number: 64742-93-4

Canadian Domestic Substances List (DSL)

Chemical name: Asphalt, oxidized

CAS: 64742-93-4

Safety Data Sheet

Paratech Adhesive

SARA 311/312 Hazards

SARA 313 Components

SARA 302 Components

Canadian Domestic Substances List (DSL)

Chemical name: Stoddard solvent

CAS: 8052-41-3

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

California Prop. 65 components

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

CAS number: 12174-11-7

12/28/1999 - Cancer

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

Safety Data Sheet

Paratech Adhesive

California Prop. 65 components

Chemical name: Silica, crystalline

CAS number: 14808-60-7

10/01/1988 - Cancer

HMIS Rating

Paratech Adhesive	
HEALTH	2
FLAMMABILITY	2
PHYSICAL HAZARD	0
PERSONAL PROTECTION	

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.