

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form : Mixture
Product name : SFT Cement
Product code :

1.2. Relevant identified uses of the substance or mixture and uses advised against

Use of the substance/mixture : Asphalt roofing adhesive

1.3. Details of the supplier of the safety data sheet

Company Name Address : Siplast, Inc.
14911 Quorum Drive, Ste. 600
Dallas, TX 75254
USA

Normal work hours telephone number : 1-800-922-8800

Website : www.siplast.com

E-mail : ussds@siplast.com

Emergency 24-hour telephone number Information on operation hours

8:00 a.m. to 5:00 p.m.

1.4. Emergency telephone number

Emergency number : CHEMTREC: North America 1-800-424-9300 International 1-800-527-3887

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (GHS-US)

Flam. Liq. 3

2.2. Label elements

GHS-US labeling

Hazard pictograms (GHS-US) :



GHS02

Signal word (GHS-US) : Warning

Hazard statements (GHS-US) : Flammable liquid and vapor

Prevention (GHS-US) : Use explosion-proof electrical/ventilating/lighting equipment. Ground/bond container and receiving equipment. Keep away from heat/sparks/open flames/hot surfaces. No Smoking. Wear protective Gloves/eye protection/face protection. Take precautionary measures against static discharge. Obtain special instructions before use. Do not handle until all safety precautions have been read and Understood. Wash hands thoroughly after handling.

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Response	In case of fire: Use CO2 for extinction. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and possible. Continue rinsing. IF ON SKIN: Remove immediately all contaminated clothing. Rinse skin with water/shower.
Storage	Store in well ventilated place. Keep cool. Store locked up.
Disposal	Dispose of contents/container in accordance with local/regional/national/international regulations.
Hazards not otherwise classified (HNOC)	None known.
Supplemental information	WARNING: This product contains a chemical known to the State of California to cause cancer.

2.3. Other hazards

No additional information available

2.4. Unknown acute toxicity (GHS-US)

No data available

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%
Asphalt	(CAS No) 8052-42-4	40-70
Stoddard solvent	(CAS No) 8052-41-3	15-30
Calcium Carbonate	(CAS No) 471-34-1	15-30
Quartz	(CAS No) 14808-60-7	<1

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	: If exposed or concerned: seek medical advice/attention. In case of shortness of breath, give oxygen. Keep victim warm. Keep victim under observation. Ensure that medical personnel are aware of the materials involved and take precautions to protect themselves.
First-aid measures after inhalation	: Move to fresh air. Supply oxygen or artificial respiration if needed. No mouth-to-mouth method if substance was inhaled. Induce artificial respiration with the aid of a Pocket mask equipped with a one-way valve or other proper respiratory medical device. Call poison control center immediately if ingestion of a large amount occurs.
First-aid measures after skin contact	: Rinse skin with water/shower. Get medical attention if irritation develops or persists. For minor skin contact, avoid spreading material on unaffected skin.
First-aid measures after eye contact	: Immediately flush eyes with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get immediate medical attention.
Notes to physician	: In case of shortness of breath, give oxygen. Keep victim warm and under evaluation. Symptoms may be delayed.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries	: Not available.
Symptoms/injuries after inhalation	: Not available.

4.3. Indication of any immediate medical attention and special treatment needed

No additional information available

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	: Foam. Dry powder. Carbon dioxide. Extinguish with water fog.
Unsuitable extinguishing media	: Do not use a water jet as an extinguisher, as this will spread the fire.

5.2. Special hazards arising from the substance or mixture

Fire hazard	: Fire may produce irritating, corrosive and/or toxic gases.
Explosion hazard	: Not available.

5.3. Advice for firefighters

Firefighting instructions	: Firefighters must use standard protective equipment including flame retardant coat, helmet w/protective face shield, gloves, rubber boots, and SCBA in enclosed spaces
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Protection during firefighting : In case of fire and/or explosions do not breathe fumes. Fight fire from maximum distance or use unmanned hose holders. Withdraw immediately in case of rising sound from venting safety device or any discoloration of tanks due to fire. Move containers from fire area if you can do so without risk. Do not get water inside container. For massive fire in cargo area, use unmanned hose holder if possible. If not, withdraw and let fire burn out. In the event of fire, cool tanks with water spray. SCBA and full protective clothing must be worn in case of fire.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : Remove sources of ignition. Keep away unnecessary personnel. Keep people away from and upwind of spill. Ventilate closed spaces before entry. Do not touch emergency damaged containers or spilled material unless wearing appropriate protective clothing.

6.1.1. For non-emergency personnel

Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

Protective equipment : Equip cleanup crew with proper protection.

Emergency procedures : Ventilate area.

6.2. Environmental precautions

Prevent further spillage or leakage if safe to do so. Do not contaminate water.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Dike far ahead of spill for later disposal. Cover with DRY earth, sand or non-combustible material followed w/ plastic sheet to minimize contact with rain. Never return spills to original containers for re-use.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Additional hazards when processed : Handle empty containers with care because residual vapors are flammable.

Precautions for safe handling : DO NOT handle, store or open near open flame, sources of heat or ignition. Protect material from direct sunlight. All equipment used when handling the product must be grounded. Wear personal protective equipment. Avoid contact with skin. Do not get material in contact with eyes. Use only in well-ventilated areas. Avoid prolonged exposure. Wash thoroughly after handling.

Hygiene measures : Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures : No information available.

Storage conditions : The pressure in sealed containers can increase when exposed to heat. Keep away from heat, sparks and open flame. Keep away from sources of ignition. This material can accumulate static charge which may cause spark and become an ignition source. Protect electrostatic charge build-up by using common bonding and grounding techniques. Store in a well-ventilated area. Keep container tightly closed. Handle and store with care.

Incompatible products : Strong oxidizing agents.

Incompatible materials : Sources of ignition. Heat sources.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

U.S. ACGIH Threshold Limit Values			
Components	Type	Value	Form
Asphalt (8052-42-4)	TWA	0.5 mg/m ³	Inhalable fraction
Stoddard solvent (8052-41-3)	TWA	100 ppm	
Quartz (14808-60-7)	TWA	0.025 mg/m ³	Respirable fraction

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US OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)			
Components	Type	Value	Form
Calcium carbonate (471-34-1)	PEL	5 mg/m ³	Respirable fraction
		15 mg/m ³	Total dust
Stoddard solvent (8052-41-3)	PEL	2900 mg/m ³	
		500 ppm	

US OSHA Table Z-3 (29 CFR 1910.1000)			
Components	Type	Value	Form
Quartz	PEL	50 µg/m ³	

8.2. Exposure controls

Personal protective equipment	: Avoid all unnecessary exposure.
Hand protection	: Wear appropriate chemical resistant clothing and gloves.
Eye protection	: Do not get in eyes. Protective goggles are recommended.
Respiratory protection	: Wear certified respirator when concentrations are above recommended levels
Other information	: Do not smoke when using. Do not get in eyes. Avoid contact with skin. Keep away from food and drink. Handle in accordance with good hygiene and safety practice.
Engineering controls	: Good general ventilation (typically 10 air changes/hr.) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Appearance	: Liquid.
Color	: Black
Odor	: slight;hydrocarbon
Odor threshold	: No data available
pH	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: 212 °F (100°C)
Flash point	: 105°F, minimum (40.6°C) COC Method
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: No data available
Vapor pressure	: No data available
Relative vapor density at 20 °C	: No data available
Specific Gravity	: 1.07 – 1.2
Density	: 9.00 – 10.00 lb/gal
Solubility	: Not available
Log Pow	: No data available
Log Kow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidizing properties	: No data available
Explosive limits	: No data available

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9.2. Other information

VOC content : <250 g/L
Percent volatile : 20-30%

SECTION 10: Stability and reactivity

10.1. Reactivity

No additional information available

10.2. Chemical stability

Stable under normal temperature conditions.

10.3. Possibility of hazardous reactions

Hazardous polymerization does not occur.

10.4. Conditions to avoid

Heat, flames and sparks.

10.5. Incompatible materials

Strong oxidizing agents.

10.6. Hazardous decomposition products

Irritants. Toxic gas.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Information on likely routes of exposure

Ingestion	May cause discomfort if swallowed. However, ingestion is not a likely route of occupational exposure.
Inhalation	May cause irritation to the respiratory system. However, this product does not currently meet the criteria for classification as a respiratory nuisance
Skin contact	Frequent or prolonged contact may defat and dry the skin, leading to discomfort & dermatitis
Eye contact	Causes eye irritation

Information on toxicological effects

Acute toxicity Not classified

Product

SFT Cement (mixture)

Test Results

Acute Oral LD50 Mouse: 30714.2852 mg/kg estimated
Acute Oral LD50 Rat: 30714.2852 mg/kg estimated

Components

Calcium Carbonate (471-34-1)

Test Results

Acute Oral LD50 Mouse: 6450 mg/kg
Acute Oral LD50 Rat: 6450 mg/kg

Local effects Components of the product may be absorbed into the body through the skin. Contact may irritate or burn eyes.

Chronic effects Hazardous by OSHA criteria. Prolonged inhalation may be harmful. Repeated absorption may cause disorder of central nervous system, liver, kidneys and blood. Prolonged exposure may cause chronic effects.

Sub chronic effects Kidney injury may occur.

Carcinogenicity Hazardous by OSH criteria. This product contains crystalline silica. Silica is a known carcinogen; however in this encapsulated form the normal routes of exposure are unavailable

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ACGIH Carcinogens

Asphalt (8052-42-4) A4 Not classifiable as a human carcinogen
Quartz (14808-60-7) A2 Suspected human carcinogen

IARC Monographs. Overall Evaluation of Carcinogenicity

Asphalt (8052-42-4) 2B Possibly carcinogenic to humans
3 Not classifiable as to carcinogenicity to humans
Quartz (14808-60-7) 1 Carcinogenic to humans
Stoddard Solvent (8052-41-3) 3 Not classifiable as to carcinogenicity to humans

US NTP Report on Carcinogens: Known carcinogen

Quartz (14808-60-7) Known to be Human Carcinogen

Epidemiology Hazardous by OSHA criteria
Neurological effects Hazardous by OSHA criteria
Further Information Symptoms may be delayed

SECTION 12: Ecological information

12.1. Toxicity

SFT Cement	Test Results
Calcium Carbonate (471-34-1)	LC50 Western mosquitofish: > 56000mg/l 96 hours

12.2. Persistence and degradability

No additional information available

12.3. Bioaccumulative potential

No additional information available

12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

Effect on ozone layer : No additional information available
Effect on the global warming : No additional information available
Other information : Avoid release to the environment.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations : Dispose of this material and its container to a hazardous or special waste collection point. If discarded, this product is considered a RCRA ignitable waste, D001. Dispose in accordance with all applicable regulations.
Additional information : No additional information available.
Ecology - waste materials : Avoid release to the environment.
Hazardous waste code : D001: Waste Flammable material with a flash point <140 F°

SECTION 14: Transport information

DOT

Basic shipping requirements:

UN Number UN1999
Proper shipping name Tars, liquid
Hazard class Combustible liquid
Packing group III
Environmental hazards

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Marine pollutant No

Additional information:

Special provisions B1, B13, IB3, T1, TP3

Packaging exceptions 150

Packaging non bulk 203

Packaging bulk 242

ERG number 130

Further information If shipped by ground in quantities LESS than 119 gallons, material is not regulated as a hazardous material. When shipped in quantities GREATER than 119 gallon, container must bear DOT CLASS 3 COMBUSTIBLE label.

IATA

UN number UN1999

UN proper shipping name Tars, liquid

Transport hazard class(es)

Class 3

Subsidiary risk -

Packing group III

Environmental hazards No

ERG Code 3L

Special precautions for user Not available

Other information

Passenger and cargo aircraft Allowed

Cargo aircraft only Allowed

IMDG

UN number UN 1999

UN proper shipping name Tars, liquid

Transport hazard class(es)

Class 3

Subsidiary risk -

Packing group III

Environmental hazards

Marine pollutant No

EmS F-E, S-E

Special precautions for user Not available

Transport in bulk according to Not available

Annex II of MARPOL 73/78 and the IBC Code

DOT Labeling (On packaging containing > 119 US gallons)



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Additional information

Other information : No additional information.

SECTION 15: Regulatory information

15.1. US Federal regulations

US Federal regulations This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard 29 CFR 1910.1200
CERCLA/SARA Hazardous Substances – Not applicable.

Drug Enforcement Administration (DEA). List 2, Essential Chemicals (21 CFR 1310.02(b) and 1310.04 (f)(2))

Not regulated

DEA Essential Chemical Code Number

Not regulated

Drug Enforcement Administration (DEA). List 1 & 2 Exempt Chemical Mixtures (21 CFR 1310.12 (c))

Not regulated

DEA Exempt Chemical Mixtures Code Number

Not Regulated

CERCLA (Superfund) reportable quantity

None

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories Immediate Hazard – Yes
Delayed Hazard – Yes
Fire Hazard – Yes
Pressure Hazard – No
Reactivity Hazard – No

Section 302 extremely No

Hazardous substance

Section 311 hazardous No

Chemical

Inventory Status

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	Yes
Canada	Domestic Substances List (DSL)	No
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	No
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	No
Korea	Existing Chemicals List (ECL)	No
New Zealand	New Zealand Inventory	Yes
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	Yes
USA & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	No

*A "Yes" indicates that all components of this product comply with inventory requirements administered by the governing country(s)

State regulations

WARNING: This product contains a chemical known to the State of California to cause cancer

US – California Proposition 65 – CRT: Listed date/Carcinogenic substance

Asphalt (8052-42-4)

Listed: January 1, 1990 Carcinogenic

Quartz (14808-60-7)

Listed: October 1, 1988 Carcinogenic

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US – New Jersey RTK – Substances: Listed substance

Asphalt (8052-42-4)	Listed
Calcium Carbonate (471-34-1)	Listed
Quartz (14808-60-7)	Listed
Stoddard Solvent (8052-41-3)	Listed

US – Pennsylvania RTK – Hazardous Substances: Listed substance

Asphalt (8052-42-4)	Listed
Calcium Carbonate (471-34-1)	Listed
Quartz (14808-60-7)	Listed
Stoddard Solvent (8052-41-3)	Listed

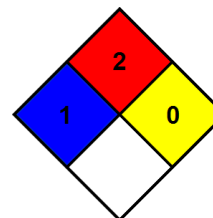
US – Pennsylvania RTK – Hazardous Substances: Special Hazard

Asphalt (8052-42-4)	Special Hazard
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SECTION 16: Other information

Revision date : 9/07/2016
Other information : None.

NFPA health hazard : 1 - Exposure could cause irritation but only minor residual injury even if no treatment is given.
NFPA fire hazard : 2 - Must be moderately heated or exposed to relatively high temperature before ignition can occur.
NFPA reactivity : 0 - Normally stable, even under fire exposure conditions, and are not reactive with water.



SDS US (GHS HazCom 2012) - Custom

This SDS contains all the information required by ANSI Z400.1 standard (United States), by regulation 29 CFR Part 1910-1200 of the Hazard Communication Standard of OSHA and is in accordance with DORS/88-66 of WHMIS (Canada).

The best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy of completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.