

Safety Data Sheet

Firestone Building Products Company

Section 1: Identification of the Substance/Mixture and of the Company/Undertaking

1.1 Product identifier

Product Name • UltraFlash™ Liquid Flashing Part A

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

Relevant identified use(s) • Construction

1.3 Details of the supplier of the safety data sheet

Manufacturer • Firestone Building Products Company
250 West 96th Street
Indianapolis, IN 46260
United States

firestonemsds@bfdp.com

Telephone (General) • 800-428-4442

1.4 Emergency telephone number

Manufacturer • (800) 424-9300 - CHEMTREC

Manufacturer • (703) 527-3887 - CHEMTREC - International

Section 2: Hazards Identification

EU/EEC

According to: Regulation (EC) No 1272/2008 (CLP)/REACH 1907/2006 [amended by 453/2010]

According to: EU Directive 67/548/EEC (DSD) or 1999/45/EC (DPD)

2.1 Classification of the substance or mixture

CLP • Flammable Liquids 3 - H226
Aspiration 1 - H304
Skin Irritation 2 - H315

DSD/DPD • Toxic (T)
Irritant (Xi)
Harmful (Xn)
R10, R38, R65

2.2 Label Elements

CLP

DANGER

Hazard statements • H226 - Flammable liquid and vapour
H304 - May be fatal if swallowed and enters airways
H315 - Causes skin irritation

Precautionary statements

- Prevention**
- P210 - Keep away from heat, sparks, open flames and/or hot surfaces. - No smoking.
 - P233 - Keep container tightly closed.
 - P240 - Ground and/or 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.
 - P264 - Wash thoroughly after handling.
 - P280 - Wear protective gloves and eye/face protection , .
- Response**
- P370+P378 - In case of fire: Use appropriate media for extinction.
 - P302+P352 - IF ON SKIN: Wash with plenty of soap and water.
 - P362 - Take off contaminated clothing and wash before reuse.
 - P321 - Specific treatment, see supplemental first aid information.
 - P332+P313 - If skin irritation occurs: Get medical advice/attention.
 - P301+P310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
 - P331 - Do NOT induce vomiting.
- Storage/Disposal**
- P403+P233 - Store in a well-ventilated place. Keep container tightly closed.
 - P235 - Keep cool.
 - P501 - Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

DSD/DPD



- Risk phrases**
- R10 - Flammable.
 - R38 - Irritating to skin.
 - R65 - Harmful: may cause lung damage if swallowed.
- Safety phrases**
- S45 - In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

2.3 Other Hazards

- CLP**
- According to Regulation (EC) No. 1272/2008 (CLP) this material is considered hazardous.
- DSD/DPD**
- According to European Directive 1999/45/EC this material is considered dangerous.

United States (US)

According to: OSHA 29 CFR 1910.1200 HCS

2.1 Classification of the substance or mixture

- OSHA HCS 2012**
- Flammable Liquids 3
 - Aspiration 1
 - Skin Irritation 2
 - Eye Mild Irritation 2B
 - Specific Target Organ Toxicity Single Exposure 3: Narcotic Effects
 - Specific Target Organ Toxicity Repeated Exposure 2

2.2 Label elements

OSHA HCS 2012

DANGER



- Hazard statements**
- Flammable liquid and vapour
 - May be fatal if swallowed and enters airways
 - Causes skin irritation
 - Causes eye irritation

May cause drowsiness or dizziness
May cause damage to organs through prolonged or repeated exposure.

Precautionary statements

- Prevention** ● Keep away from heat, sparks, open flames and/or hot surfaces. - No smoking.
Keep container tightly closed.
Ground and/or bond container and receiving equipment.
Use explosion-proof electrical/ventilating/lighting/equipment.
Use only non-sparking tools.
Take precautionary measures against static discharge.
Do not breathe mists, vapours, and/or spray.
Wash thoroughly after handling.
Use only outdoors or in a well-ventilated area.
Wear protective gloves and eye/face protection , .
- Response** ● In case of fire: Use appropriate media for extinction.
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.
If on skin: Wash with plenty of water .
Take off contaminated clothing and wash before reuse.
Specific treatment, see supplemental first aid information.
If skin irritation occurs: 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 SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
Do NOT induce vomiting.
Get medical advice/attention if you feel unwell.
- Storage/Disposal** ● Store in a well-ventilated place. Keep container tightly closed.
Keep cool.
Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

2.3 Other hazards

OSHA HCS 2012

- Under United States Regulations (29 CFR 1910.1200 - Hazard Communication Standard), this product is considered hazardous.

Canada

According to: WHMIS

2.1 Classification of the substance or mixture

WHMIS

- Combustible Liquids - B3
Other Toxic Effects - D2B

2.2 Label elements

WHMIS



- Combustible Liquids - B3
Other Toxic Effects - D2B

2.3 Other hazards

WHMIS

- In Canada, the product mentioned above is considered hazardous under the Workplace Hazardous Materials Information System (WHMIS).

Section 3 - Composition/Information on Ingredients

3.1 Substances

- Material does not meet the criteria of a substance.

3.2 Mixtures

Composition					
Chemical Name	Identifiers	%	LD50/LC50	Classifications According to Regulation/Directive	Comments
Asphalt	CAS:8052-42-4 EINECS:232-490-9	20% TO 80%	Ingestion/Oral-Rat LD50 • >5000 mg/kg Inhalation-Rat LC50 • >94.4 mg/m ³	EU DSD/DPD: Xi; R38 EU CLP: Skin Irrit. 2, H315 OSHA HCS 2012: Skin Irrit. 2	NDA
Stoddard solvent	CAS:8052-41-3 EC Number:232-489-3 EU Index:649-345-00-4	<= 30%	Inhalation-Rat LC50 • >1400 ppm 8 Hour(s)	EU DSD/DPD: Annex VI, Table 3.2: Muta. Cat. 2; R46; Carc. Cat. 2; R45; Xn; R65 EU CLP: Annex VI, Table 3.1: Muta. 1B, H340; Carc. 1B, H350; Asp. Tox. 1, H304 OSHA HCS 2012: Flam. Liq. 3; Eye Irrit. 2B; Skin Irrit. 2; STOT RE 2 (Liver and Kidney); STOT SE 3: Narc.; Asp. Tox. 1	NDA
Amine compounds	NDA	<= 10%	NDA	EU DSD/DPD: Not Classified EU CLP: Not Classified OSHA HCS 2012: Not Classified	NDA
Solvent naphtha (petroleum), light aromatic	CAS:64742-95-6 EC Number:265-199-0 EU Index:649-356-00-4	<= 2%	Ingestion/Oral-Rat LD50 • 8400 mg/kg	EU DSD/DPD: Annex VI, Table 3.2: Carc. Cat. 2; R45; Muta. Cat. 2; R46; Xn; R65 EU CLP: Annex VI, Table 3.1: Carc. 1B, H350; Muta. 1B, H340; Asp. Tox. 1, H304 OSHA HCS 2012: Eye Irrit. 2B;	NDA

Section 4 - First Aid Measures

4.1 Description of first aid measures

Inhalation

- IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Administer oxygen if breathing is difficult. Give artificial respiration if victim is not breathing. If signs/symptoms continue, get medical attention.

Skin

- Remove heavily contaminated clothing. Wash skin with soap and water. DO NOT use solvents or thinners to remove materials from skin. Asphalt can be removed with vegetable oil or mineral oil. If skin irritation occurs: Get medical advice/attention.

Eye

- In case of contact with substance, immediately flush eyes with running water for at least 20 minutes. If eye irritation persists: Get medical advice/attention.

Ingestion

- Do NOT induce vomiting. Get medical attention.

4.2 Most important symptoms and effects, both acute and delayed

- Refer to Section 11 - Toxicological Information.

4.3 Indication of any immediate medical attention and special treatment needed

Notes to Physician

- All treatments should be based on observed signs and symptoms of distress in the patient. Consideration should be given to the possibility that overexposure to materials other than this product may have occurred.

Section 5 - Firefighting Measures

5.1 Extinguishing media

Suitable Extinguishing Media ● LARGE FIRES: Water spray, fog or alcohol-resistant foam.
SMALL FIRES: Dry chemical, CO₂, water spray or alcohol-resistant foam.

Unsuitable Extinguishing Media ● Do not use a direct stream of water.

5.2 Special hazards arising from the substance or mixture

Unusual Fire and Explosion Hazards ● HIGHLY FLAMMABLE: Will be easily ignited by heat, sparks or flames. Containers may explode when heated. Vapor explosion hazard indoors, outdoors or in sewers. Many liquids are lighter than water. Most vapors are heavier than air. They will spread along ground and collect in low or confined areas (sewers, basements, tanks). Runoff to sewer may create fire or explosion hazard. Vapors may form explosive mixtures with air. Vapors may travel to source of ignition and flash back. Dried solids can burn and release toxic fumes and vapors.

Hazardous Combustion Products ● No data available

5.3 Advice for firefighters

- Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Cool fire exposed containers with water. Move containers from fire area if you can do it without risk.

Section 6 - Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal Precautions ● Ventilate enclosed areas. Wear appropriate protective clothing. Do not touch or walk through spilled material.

Emergency Procedures ● ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). As an immediate precautionary measure, isolate spill or leak area for at least 50 meters (150 feet) in all directions. If tank, rail car or tank truck is involved in a fire, ISOLATE for 800 meters (1/2 mile) in all directions; also, consider initial evacuation for 800 meters (1/2 mile) in all directions. LARGE SPILL: Consider initial downwind evacuation for at least 300 meters (1000 feet) Keep out of low areas. Stay upwind. Keep unauthorized personnel away. Ventilate closed spaces before entering.

6.2 Environmental precautions

- Prevent entry into waterways, sewers, basements or confined areas.

6.3 Methods and material for containment and cleaning up

Containment/Clean-up Measures ● Stop leak if you can do it without risk. A vapor suppressing foam may be used to reduce vapors. Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Use clean non-sparking tools to collect absorbed material. All equipment used when handling the product must be grounded.

6.4 Reference to other sections

- Refer to Section 8 - Exposure Controls/Personal Protection and Section 13 - Disposal Considerations.

Section 7 - Handling and Storage

7.1 Precautions for safe handling

Handling ● Keep away from fire. Keep away from heat and sparks. Wear appropriate personal protective equipment, avoid direct contact. Avoid breathing mist/vapours/spray. Avoid

contact with skin, eyes, and clothing. Use only in well ventilated areas. All equipment used when handling the product must be grounded. Bond and ground all transfer containers and equipment. Take precautionary measures against static charges. Containers, even those that have been emptied, can contain explosive vapors. Do not cut, drill, grind, weld or perform similar operations near container. Do not eat, drink or smoke when using this product. After handling wash hands thoroughly.

7.2 Conditions for safe storage, including any incompatibilities

Storage

- Store in a cool/low-temperature, well-ventilated place away from heat and ignition sources. Keep container tightly closed. Keep away from incompatible materials.

7.3 Specific end use(s)

- Refer to Section 1.2 - Relevant identified uses.

Section 8 - Exposure Controls/Personal Protection

8.1 Control parameters

Exposure Limits/Guidelines						
	Result	ACGIH	Australia	Belgium	Canada Alberta	Canada British Columbia
Asphalt (8052-42-4)	TWAs	0.5 mg/m ³ TWA (fume, inhalable fraction, as benzene soluble aerosol)	5 mg/m ³ TWA (fume)	5 mg/m ³ TWA (fume)	5 mg/m ³ TWA (Petroleum; Bitumen, fume)	0.5 mg/m ³ TWA (inhalable fume, as Benzene-soluble aerosol)
Stoddard solvent (8052-41-3)	TWAs	100 ppm TWA	790 mg/m ³ TWA	100 ppm TWA; 533 mg/m ³ TWA	100 ppm TWA; 572 mg/m ³ TWA	290 mg/m ³ TWA
	STELs	Not established	Not established	Not established	Not established	580 mg/m ³ STEL
Exposure Limits/Guidelines (Con't.)						
	Result	Canada Manitoba	Canada New Brunswick	Canada Northwest Territories	Canada Nova Scotia	Canada Nunavut
Asphalt (8052-42-4)	TWAs	0.5 mg/m ³ TWA (fume, inhalable fraction, as Benzene soluble aerosol)	5 mg/m ³ TWA (petroleum fumes)	5 mg/m ³ TWA (Petroleum fumes)	0.5 mg/m ³ TWA (fume, inhalable fraction, as Benzene soluble aerosol)	5 mg/m ³ TWA (Petroleum fumes)
	STELs	Not established	Not established	10 mg/m ³ STEL (Petroleum fumes)	Not established	10 mg/m ³ STEL (Petroleum fumes)
Stoddard solvent (8052-41-3)	TWAs	100 ppm TWA	100 ppm TWA; 525 mg/m ³ TWA	100 ppm TWA; 575 mg/m ³ TWA	100 ppm TWA	100 ppm TWA; 575 mg/m ³ TWA
	STELs	Not established	Not established	125 ppm STEL; 720 mg/m ³ STEL	Not established	125 ppm STEL; 720 mg/m ³ STEL
Exposure Limits/Guidelines (Con't.)						
	Result	Canada Ontario	Canada Quebec	Canada Saskatchewan	Canada Yukon	China
Asphalt (8052-42-4)	STELs	Not established	Not established	Not established	10 mg/m ³ STEL (fume)	12.5 mg/m ³ STEL (fume, as Benzene soluble matter)
	TWAs	0.5 mg/m ³ TWA (fume, inhalable, as Benzene-soluble aerosol)	5 mg/m ³ TWAEV (fume)	0.5 mg/m ³ TWA (fume and inhalable fraction, as Benzene soluble aerosol)	5 mg/m ³ TWA (fume)	5 mg/m ³ TWA (fume, as Benzene soluble matter)
Stoddard solvent (8052-41-3)	TWAs	525 mg/m ³ TWA (140°C Flash aliphatic solvent)	100 ppm TWAEV; 525 mg/m ³ TWAEV	100 ppm TWA	100 ppm TWA; 575 mg/m ³ TWA	Not established

	STELs	Not established	Not established	Not established	150 ppm STEL; 720 mg/m3 STEL	Not established
Exposure Limits/Guidelines (Con't.)						
	Result	Denmark	NIOSH	OSHA		
Asphalt (8052-42-4)	TWAs	1 mg/m3 TWA (Cyclohexane fraction of total dust, fume)	Not established	Not established		
	Ceilings	Not established	5 mg/m3 Ceiling (fume, 15 min)	Not established		
Stoddard solvent (8052-41-3)	TWAs	25 ppm TWA (= <20% Aromatic compounds); 145 mg/m3 TWA (= <20% Aromatic compounds)	350 mg/m3 TWA	500 ppm TWA; 2900 mg/m3 TWA		
	Ceilings	Not established	1800 mg/m3 Ceiling (15 min)	Not established		

Exposure Control Notations**ACGIH**

• Asphalt (8052-42-4): **Carcinogens:** (A4 - Not Classifiable as a Human Carcinogen (fume, coal tar-free))

Germany DFG

• Asphalt (8052-42-4): **Carcinogens:** (Category 2 (considered to be carcinogenic for man, aerosol and vapour)) | **Skin:** (skin notation (aerosol and vapour))

Exposure Limits Supplemental**ACGIH**

• Asphalt (8052-42-4): **BEIs:** (Medium: urine Time: end of shift at end of workweek Parameter: 1-Hydroxypyrene with hydrolysis (nonquantitative)) |

TLV Basis - Critical Effects: (eye and upper respiratory tract irritation (fume))

• Stoddard solvent (8052-41-3): **TLV Basis - Critical Effects:** (CNS impairment; eye, kidney and skin damage; nausea)

8.2 Exposure controls**Engineering Measures/Controls**

- This sealant is designed to be used outdoors, in roofing applications. Good general ventilation 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.

Personal Protective Equipment**Respiratory**

- In case of insufficient ventilation, wear suitable respiratory equipment. Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH or European Standard EN 149 approved respirator if exposure limits are exceeded or symptoms are experienced.

Eye/Face

- Wear appropriate eye/face protection for the job/activity.

Skin/Body

- Wear appropriate gloves for the job/activity.

Environmental Exposure Controls

- In case of spills, keep product clear of sewers, waterways or land areas. Dispose of waste product in accordance with national and local laws and regulations.

Key to abbreviations

ACGIH = American Conference of Governmental Industrial Hygiene

NIOSH = National Institute of Occupational Safety and Health

OSHA = Occupational Safety and Health Administration

STEL = Short Term Exposure Limits are based on 15-minute exposures

STEV = Short Term Exposure Value

TWAEV = Time-Weighted Average Exposure Value

TWA = Time-Weighted Averages are based on 8h/day, 40h/week exposures

Section 9 - Physical and Chemical Properties

9.1 Information on Physical and Chemical Properties

Material Description			
Physical Form	Liquid	Appearance/Description	Black liquid with a mineral spirits odor.
Color	Black	Odor	Mineral spirits odor.
Odor Threshold	Data lacking		
General Properties			
Boiling Point	310 F(154.4444 C)	Melting Point	Not relevant
Decomposition Temperature	Data lacking	pH	Data lacking
Specific Gravity/Relative Density	= 0.9 @ 20 C(68 F) Water=1	Water Solubility	Miscible in all proportions with most light halogenated hydrocarbon solvents; soluble to less than 300 ppm in water
Viscosity	Data lacking	Explosive Properties	Data lacking
Oxidizing Properties:	Data lacking		
Volatility			
Vapor Pressure	3 mmHg (torr) @ 68 F(20 C)	Vapor Density	4.9 Air=1
Evaporation Rate	Data lacking	Volatiles (Vol.)	< 15 %
Flammability			
Flash Point	101 F(38.3333 C)	UEL	6 %
LEL	1 %	Autoignition	> 500 F(> 260 C)
Flammability (solid, gas)	Data lacking		
Environmental			
Octanol/Water Partition coefficient	Data lacking		

9.2 Other Information

- No additional physical and chemical parameters noted.

Section 10: Stability and Reactivity

10.1 Reactivity

- No dangerous reaction known under conditions of normal use.

10.2 Chemical stability

- Stable under normal temperatures and pressures.

10.3 Possibility of hazardous reactions

- Hazardous polymerization will not occur.

10.4 Conditions to avoid

- Avoid flames, sparks, or other sources of ignition.

10.5 Incompatible materials

- Strong oxidizing agents.

10.6 Hazardous decomposition products

- Incomplete combustion can produce carbon monoxide. Normal combustion forms carbon dioxide and water vapor and may produce oxides of nitrogen.

Section 11 - Toxicological Information

11.1 Information on toxicological effects

Components		
Asphalt (20% TO 80%)	8052-42-4	Acute Toxicity: Ingestion/Oral-Rat LD50 • >5000 mg/kg; <i>Gastrointestinal:Hypermotility, diarrhea</i> ; Inhalation-Rat LC50 • >94.4 mg/m ³ ; Mutagen: Micronucleus test • Rat • Other Cell Type • 57.8 µg/L; Tumorigen / Carcinogen: Skin-Mouse TDLo • 905 g/kg 2 Year(s)-Intermittent; <i>Tumorigenic:Neoplastic by RTECS criteria; Lungs, Thorax, or Respiration:Tumors</i> ; <i>Skin and Appendages:Other:Tumors</i>
Stoddard solvent (<= 30%)	8052-41-3	Irritation: Eye-Human • 100 ppm • Mild irritation; Multi-dose Toxicity: Inhalation-Rat TCLo • 330 ppm 65 Day(s)-Intermittent; <i>Kidney, Ureter, and Bladder:Changes in tubules (including acute renal failure, acute tubular necrosis)</i> ; <i>Blood:Other changes</i>
Solvent naphtha (petroleum), light aromatic (<= 2%)	64742-95-6	Acute Toxicity: Ingestion/Oral-Rat LD50 • 8400 mg/kg; <i>Behavioral:Somnolence (general depressed activity)</i> ; <i>Behavioral:Tremor</i> ; <i>Lungs, Thorax, or Respiration:Other changes</i> ; Irritation: Eye-Rabbit • 100 µL 24 Hour(s) • Mild irritation; Reproductive: Inhalation-Rat TCLo • 1500 ppm (9W male/9W pre-16D post); <i>Reproductive Effects:Effects on Newborn:Growth statistics (e.g., reduced weight gain)</i>

GHS Properties	Classification
Acute toxicity	EU/CLP • Data lacking OSHA HCS 2012 • Data lacking
Aspiration Hazard	EU/CLP • Aspiration 1 OSHA HCS 2012 • Aspiration 1
Carcinogenicity	EU/CLP • Data lacking OSHA HCS 2012 • Data lacking
Germ Cell Mutagenicity	EU/CLP • Data lacking OSHA HCS 2012 • Data lacking
Skin corrosion/Irritation	EU/CLP • Skin Irritation 2 OSHA HCS 2012 • Skin Irritation 2
Skin sensitization	EU/CLP • Data lacking OSHA HCS 2012 • Data lacking
STOT-RE	EU/CLP • Data lacking OSHA HCS 2012 • Specific Target Organ Toxicity Repeated Exposure 2
STOT-SE	EU/CLP • Data lacking OSHA HCS 2012 • Specific Target Organ Toxicity Single Exposure 3: Narcotic Effects
Toxicity for Reproduction	EU/CLP • Data lacking OSHA HCS 2012 • Data lacking
Respiratory sensitization	EU/CLP • Data lacking OSHA HCS 2012 • Data lacking
Serious eye damage/Irritation	EU/CLP • Data lacking OSHA HCS 2012 • Eye Mild Irritation 2B

Potential Health Effects

Inhalation

Acute (Immediate)

- May affect the central nervous system. Symptoms may include dizziness, drowsiness, lethargy, coma and death.

Chronic (Delayed)

- No data available

Skin

- Acute (Immediate)**
 - Causes skin irritation.
- Chronic (Delayed)**
 - Repeated exposure may cause skin dryness or cracking.

Eye

- Acute (Immediate)**
 - Causes eye irritation.
- Chronic (Delayed)**
 - No data available.

Ingestion

- Acute (Immediate)**
 - Material may be aspirated into the lungs during ingestion and/or subsequent vomiting. Aspiration of this material will cause severe lung injury, chemical pneumonitis, pulmonary edema or death.
- Chronic (Delayed)**
 - No data available.

Other

- Chronic (Delayed)**
 - Prolonged or repeated exposure may cause damage to liver and kidneys.

Key to abbreviations

LD = Lethal Dose

TD = Toxic Dose

TC = Toxic Concentration

Section 12 - Ecological Information**12.1 Toxicity**

- Material data lacking.

12.2 Persistence and degradability

- Material data lacking.

12.3 Bioaccumulative potential

- Material data lacking.

12.4 Mobility in Soil

- Material data lacking.

12.5 Results of PBT and vPvB assessment

- No PBT and vPvB assessment has been conducted.

12.6 Other adverse effects

- No studies have been found.

Section 13 - Disposal Considerations**13.1 Waste treatment methods**

- Product waste**
 - Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.
- Packaging waste**
 - Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

Section 14 - Transport Information

	14.1 UN number	14.2 UN proper shipping name	14.3 Transport hazard class(es)	14.4 Packing group	14.5 Environmental hazards
DOT	UN1139	Coating solution	3	III	NDA
TDG	UN1139	COATING SOLUTION	3	III	NDA
IMO/IMDG	UN1139	COATING SOLUTION	3	III	NDA
ADN	UN1139	COATING SOLUTION	3	III	NDA
ADR/RID	UN1139	Coating solution	3	III	NDA
IATA/ICAO	UN1139	Coating solution	3	III	NDA

14.6 Special precautions for user • None specified.

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code • Data lacking.

Section 15 - Regulatory Information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

SARA Hazard Classifications • Acute, Chronic, Fire

State Right To Know				
Component	CAS	MA	NJ	PA
Asphalt	8052-42-4	Yes	Yes	Yes
Solvent naphtha (petroleum), light aromatic	64742-95-6	No	No	No
Stoddard solvent	8052-41-3	Yes	Yes	Yes

Inventory						
Component	CAS	Canada DSL	Canada NDSL	China	EU EINECS	EU ELNICS
Asphalt	8052-42-4	Yes	No	Yes	Yes	No
Solvent naphtha (petroleum), light aromatic	64742-95-6	Yes	No	Yes	Yes	No
Stoddard solvent	8052-41-3	Yes	No	Yes	Yes	No

Inventory (Con't.)				
Component	CAS	Japan ENCS	Korea KECL	TSCA
Asphalt	8052-42-4	Yes	Yes	Yes
Solvent naphtha (petroleum), light aromatic	64742-95-6	Yes	Yes	Yes
Stoddard solvent	8052-41-3	Yes	Yes	Yes

Australia

Labor

Australia - Work Health and Safety Regulations - Hazardous Substances Requiring Health Monitoring

• Stoddard solvent

8052-41-3 Not Listed

• Asphalt	8052-42-4	Not Listed
• Solvent naphtha (petroleum), light aromatic	64742-95-6	Not Listed

Australia - High Volume Industrial Chemicals List

• Stoddard solvent	8052-41-3	Not Listed
• Asphalt	8052-42-4	
• Solvent naphtha (petroleum), light aromatic	64742-95-6	

Australia - List of Designated Hazardous Substances - Classification

• Stoddard solvent	8052-41-3	Xn Carc.Cat.2, Muta.Cat.2 R45, R46, R65
• Asphalt	8052-42-4	Self classification required (petroleum fumes)
• Solvent naphtha (petroleum), light aromatic	64742-95-6	Xn Carc.Cat.2, Muta.Cat.2 R45, R46, R65

Environment**Australia - National Pollutant Inventory (NPI) Substance List**

• Stoddard solvent	8052-41-3	Not Listed
• Asphalt	8052-42-4	Not Listed
• Solvent naphtha (petroleum), light aromatic	64742-95-6	Not Listed

Australia - Ozone Protection Act - Scheduled Substances

• Stoddard solvent	8052-41-3	Not Listed
• Asphalt	8052-42-4	Not Listed
• Solvent naphtha (petroleum), light aromatic	64742-95-6	Not Listed

Australia - Priority Existing Chemical Program

• Stoddard solvent	8052-41-3	Not Listed
• Asphalt	8052-42-4	Not Listed
• Solvent naphtha (petroleum), light aromatic	64742-95-6	Not Listed

Belgium**Labor****Belgium - Substances and Preparations - Carcinogens and Mutagens**

• Stoddard solvent	8052-41-3	Not Listed
• Asphalt	8052-42-4	Not Listed
• Solvent naphtha (petroleum), light aromatic	64742-95-6	Not Listed

Bulgaria**Environment****Bulgaria - Air Quality - Maximum Admissible Hazardous Contaminant Levels - 24 Hour**

• Stoddard solvent	8052-41-3	Not Listed
• Asphalt	8052-42-4	Not Listed
• Solvent naphtha (petroleum), light aromatic	64742-95-6	Not Listed

Bulgaria - Air Quality - Maximum Admissible Hazardous Contaminant Levels - 30 Minute

• Stoddard solvent	8052-41-3	Not Listed
• Asphalt	8052-42-4	Not Listed
• Solvent naphtha (petroleum), light aromatic	64742-95-6	Not Listed

Bulgaria - Air Quality - Maximum Admissible Hazardous Contaminant Levels - Annual

• Stoddard solvent	8052-41-3	Not Listed
• Asphalt	8052-42-4	Not Listed

• Solvent naphtha (petroleum), light aromatic	64742-95-6	Not Listed
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Canada

Labor

Canada - WHMIS - Classifications of Substances

• Stoddard solvent	8052-41-3	B3, D2B
• Asphalt	8052-42-4	Not Listed
• Solvent naphtha (petroleum), light aromatic	64742-95-6	B3, D2B

Canada - WHMIS - Ingredient Disclosure List

• Stoddard solvent	8052-41-3	1 %
• Asphalt	8052-42-4	Not Listed
• Solvent naphtha (petroleum), light aromatic	64742-95-6	Not Listed

Environment

Canada - CEPA - Priority Substances List

• Stoddard solvent	8052-41-3	Not Listed
• Asphalt	8052-42-4	Not Listed
• Solvent naphtha (petroleum), light aromatic	64742-95-6	Not Listed

China

Other

China - Annex I & II - Controlled Chemicals Lists

• Stoddard solvent	8052-41-3	Not Listed
• Asphalt	8052-42-4	Not Listed
• Solvent naphtha (petroleum), light aromatic	64742-95-6	Not Listed

Denmark

Environment

Denmark - List of Undesirable Substances - Product Groups/Function

• Stoddard solvent	8052-41-3	Solvents in a wide range of products including paints and coatings, dyes (listed under Certain oils and Coal-derived substances)
• Asphalt	8052-42-4	Not Listed
• Solvent naphtha (petroleum), light aromatic	64742-95-6	Not Listed

Europe

Other

EU - CLP (1272/2008) - Annex VI - Table 3.2 - Classification

• Stoddard solvent	8052-41-3	Carc.Cat.2; R45 Muta.Cat.2; R46 Xn; R65
• Asphalt	8052-42-4	Not Listed
• Solvent naphtha (petroleum), light aromatic	64742-95-6	Carc.Cat.2; R45 Muta.Cat.2; R46 Xn; R65

EU - CLP (1272/2008) - Annex VI - Table 3.2 - Concentration Limits

• Stoddard solvent	8052-41-3	Not Listed
• Asphalt	8052-42-4	Not Listed
• Solvent naphtha (petroleum), light aromatic	64742-95-6	Not Listed

EU - CLP (1272/2008) - Annex VI - Table 3.2 - Labelling

• Stoddard solvent	8052-41-3	T R:45-46-65 S:53-45
• Asphalt	8052-42-4	Not Listed
• Solvent naphtha (petroleum), light aromatic	64742-95-6	T R:45-46-65 S:53-45

EU - CLP (1272/2008) - Annex VI - Table 3.2 - Notes - Substances and Preparations

• Stoddard solvent	8052-41-3	P
• Asphalt	8052-42-4	Not Listed
• Solvent naphtha (petroleum), light aromatic	64742-95-6	P

EU - CLP (1272/2008) - Annex VI - Table 3.2 - Safety Phrases

• Stoddard solvent	8052-41-3	S:53-45
• Asphalt	8052-42-4	Not Listed
• Solvent naphtha (petroleum), light aromatic	64742-95-6	S:53-45

Germany**Labor****Germany - Immission Control - Qualifying Quantities for Major Accident Prevention**

• Stoddard solvent	8052-41-3	Not Listed
• Asphalt	8052-42-4	Not Listed
• Solvent naphtha (petroleum), light aromatic	64742-95-6	Not Listed

Germany - Immission Control - Qualifying Quantities for Safety Reporting

• Stoddard solvent	8052-41-3	Not Listed
• Asphalt	8052-42-4	Not Listed
• Solvent naphtha (petroleum), light aromatic	64742-95-6	Not Listed

Germany - TRGS 505 - Specific Lead Regulations

• Stoddard solvent	8052-41-3	Not Listed
• Asphalt	8052-42-4	Not Listed
• Solvent naphtha (petroleum), light aromatic	64742-95-6	Not Listed

Germany - TRGS 511 - Specific Ammonium Nitrate Regulations

• Stoddard solvent	8052-41-3	Not Listed
• Asphalt	8052-42-4	Not Listed
• Solvent naphtha (petroleum), light aromatic	64742-95-6	Not Listed

Environment**Germany - TA Luft - Types and Classes**

• Stoddard solvent	8052-41-3	Not Listed
• Asphalt	8052-42-4	Not Listed
• Solvent naphtha (petroleum), light aromatic	64742-95-6	Not Listed

Germany - TA Luft - Emission Limits for Carcinogenic Substances

• Stoddard solvent	8052-41-3	Not Listed
• Asphalt	8052-42-4	Not Listed
• Solvent naphtha (petroleum), light aromatic	64742-95-6	Not Listed

Germany - TA Luft - Emission Limits for Fibers

• Stoddard solvent	8052-41-3	Not Listed
• Asphalt	8052-42-4	Not Listed
• Solvent naphtha (petroleum), light aromatic	64742-95-6	Not Listed

Germany - TA Luft - Emission Limits for Inorganic Dusts

• Stoddard solvent	8052-41-3	Not Listed
• Asphalt	8052-42-4	Not Listed
• Solvent naphtha (petroleum), light aromatic	64742-95-6	Not Listed

Germany - TA Luft - Emission Limits for Inorganic Gases

• Stoddard solvent	8052-41-3	Not Listed
• Asphalt	8052-42-4	Not Listed
• Solvent naphtha (petroleum), light aromatic	64742-95-6	Not Listed

Germany - TA Luft - Emission Limits for Organic Substances

• Stoddard solvent	8052-41-3	Not Listed
• Asphalt	8052-42-4	Not Listed
• Solvent naphtha (petroleum), light aromatic	64742-95-6	Not Listed

Germany - Water Classification (VwVwS) - Annex 1

• Stoddard solvent	8052-41-3	Not Listed
• Asphalt	8052-42-4	ID Number 326, not considered hazardous to water
• Solvent naphtha (petroleum), light aromatic	64742-95-6	Not Listed

Germany - Water Classification (VwVwS) - Annex 2 - Water Hazard Classes

• Stoddard solvent	8052-41-3	ID Number 775, hazard class 2 - hazard to waters
• Asphalt	8052-42-4	Not Listed
• Solvent naphtha (petroleum), light aromatic	64742-95-6	ID Number 775, hazard class 2 - hazard to waters

Germany - Water Classification (VwVwS) - Annex 3

• Stoddard solvent	8052-41-3	Not Listed
• Asphalt	8052-42-4	Not Listed
• Solvent naphtha (petroleum), light aromatic	64742-95-6	Not Listed

United States**Labor****U.S. - OSHA - Process Safety Management - Highly Hazardous Chemicals**

• Stoddard solvent	8052-41-3	Not Listed
• Asphalt	8052-42-4	Not Listed
• Solvent naphtha (petroleum), light aromatic	64742-95-6	Not Listed

U.S. - OSHA - Specifically Regulated Chemicals

• Stoddard solvent	8052-41-3	Not Listed
• Asphalt	8052-42-4	Not Listed
• Solvent naphtha (petroleum), light aromatic	64742-95-6	Not Listed

Environment**U.S. - CAA (Clean Air Act) - 1990 Hazardous Air Pollutants**

• Stoddard solvent	8052-41-3	Not Listed
• Asphalt	8052-42-4	Not Listed
• Solvent naphtha (petroleum), light aromatic	64742-95-6	Not Listed

U.S. - CERCLA/SARA - Hazardous Substances and their Reportable Quantities

• Stoddard solvent	8052-41-3	Not Listed
• Asphalt	8052-42-4	Not Listed
• Solvent naphtha (petroleum), light aromatic	64742-95-6	Not Listed

U.S. - CERCLA/SARA - Radionuclides and Their Reportable Quantities

• Stoddard solvent	8052-41-3	Not Listed
• Asphalt	8052-42-4	Not Listed
• Solvent naphtha (petroleum), light aromatic	64742-95-6	Not Listed

U.S. - CERCLA/SARA - Section 302 Extremely Hazardous Substances EPCRA RQs

• Stoddard solvent	8052-41-3	Not Listed
• Asphalt	8052-42-4	Not Listed
• Solvent naphtha (petroleum), light aromatic	64742-95-6	Not Listed

U.S. - CERCLA/SARA - Section 302 Extremely Hazardous Substances TPQs

• Stoddard solvent	8052-41-3	Not Listed
• Asphalt	8052-42-4	Not Listed
• Solvent naphtha (petroleum), light aromatic	64742-95-6	Not Listed

U.S. - CERCLA/SARA - Section 313 - Emission Reporting

• Stoddard solvent	8052-41-3	Not Listed
• Asphalt	8052-42-4	Not Listed
• Solvent naphtha (petroleum), light aromatic	64742-95-6	Not Listed

U.S. - CERCLA/SARA - Section 313 - PBT Chemical Listing

• Stoddard solvent	8052-41-3	Not Listed
• Asphalt	8052-42-4	Not Listed
• Solvent naphtha (petroleum), light aromatic	64742-95-6	Not Listed

United States - California**Environment****U.S. - California - Proposition 65 - Carcinogens List**

• Stoddard solvent	8052-41-3	Not Listed
• Asphalt	8052-42-4	Not Listed
• Solvent naphtha (petroleum), light aromatic	64742-95-6	Not Listed

U.S. - California - Proposition 65 - Developmental Toxicity

• Stoddard solvent	8052-41-3	Not Listed
• Asphalt	8052-42-4	Not Listed
• Solvent naphtha (petroleum), light aromatic	64742-95-6	Not Listed

U.S. - California - Proposition 65 - Maximum Allowable Dose Levels (MADL)

• Stoddard solvent	8052-41-3	Not Listed
• Asphalt	8052-42-4	Not Listed
• Solvent naphtha (petroleum), light aromatic	64742-95-6	Not Listed

U.S. - California - Proposition 65 - No Significant Risk Levels (NSRL)

• Stoddard solvent	8052-41-3	Not Listed
• Asphalt	8052-42-4	Not Listed
• Solvent naphtha (petroleum), light aromatic	64742-95-6	Not Listed

U.S. - California - Proposition 65 - Reproductive Toxicity - Female

• Stoddard solvent	8052-41-3	Not Listed
• Asphalt	8052-42-4	Not Listed
• Solvent naphtha (petroleum), light aromatic	64742-95-6	Not Listed

U.S. - California - Proposition 65 - Reproductive Toxicity - Male

• Stoddard solvent	8052-41-3	Not Listed
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• Asphalt	8052-42-4	Not Listed
• Solvent naphtha (petroleum), light aromatic	64742-95-6	Not Listed

United States - Pennsylvania

Labor

U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List

• Stoddard solvent	8052-41-3	Not Listed
• Asphalt	8052-42-4	Not Listed
• Solvent naphtha (petroleum), light aromatic	64742-95-6	Not Listed

U.S. - Pennsylvania - RTK (Right to Know) - Special Hazardous Substances

• Stoddard solvent	8052-41-3	Not Listed
• Asphalt	8052-42-4	Not Listed
• Solvent naphtha (petroleum), light aromatic	64742-95-6	Not Listed

15.2 Chemical Safety Assessment

- No Chemical Safety Assessment has been carried out.

Section 16 - Other Information

Relevant Phrases (code & full text)

- H340 - May cause genetic defects.
- H350 - May cause cancer.
- R45 - May cause cancer.
- R46 - May cause heritable genetic damage.

Last Revision Date

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Key to abbreviations

NDA = No data available