



BOSS 241 Roof Cement

Safety Data Sheet

Issue Date: 04/09/2024

Version: 0.0

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

1.1: Product Identifier

Product form:	Mixture
Trade Name:	BOSS 241 Roof Cement
Reference Number:	167853
Type of Product:	Elastomeric Roof Cement

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

1.2.1 Relevant Identified Uses:

Main use category:	Professional use
Use of substance/mixture	Adhesives

1.2.2 Uses Advised Against	No additional information available
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1.3: Details of the supplier of the safety data sheet

Soudal
350 Ring Road
Elizabethtown, KY 42701 Phone:
(270) 769-3385
technical@soudalaccumetricinc.com
www.SoudalUSA.com

1.4: Emergency Telephone Number

Emergency number:	Chem Trec (800) 424-9300
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Section 2: Hazards Identification

2.1: Classification of the substance or mixture

Flammable Liquid, Category	H226
Specific target organ toxicity - Single exposure, Category 3	H226

Adverse physiochemical, human health and environmental effects:

2.2 Label elements



Hazard pictograms

Signal Word:	Warning
Contains:	Hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclics, < 2% aromatic; Benzene (< 0.1%)
Hazard Statements:	H226 - Flammable liquid and vapor. H336 - May cause drowsiness or dizziness. P101 – If medical advice is needed, have product container or label on hand. P102 – Keep out of reach of children. P210 - Keep away from heat, hot surfaces, sparks, open flames, and other ignition sources. No smoking. P243 – Take precautionary measures against static discharge. P280 - Wear protective gloves/protective clothing/eye protection/face protection/hearing protection. P304 + P340 – IF INHALED: Remove person to fresh air and keep comfortable for breathing. P303 + P361 + P353 – IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. P370 + P378 – In case of fire: Use suitable extinguishing medium to extinguish. P501 – Dispose of contents/container in accordance with local/regional/national/international regulations.
Extra Phrases:	For professional use only.

2.3 Other hazards

This product does not meet the PBT of vPvB classification criteria.

Section 3: Composition/information on ingredients

3.1 Substances

Not applicable

3.2 Mixtures

Name	CAS Number	%
Naphtha (petroleum) hydrotreated, heavy	64742-48-9	20
Benzene	71-43-2	< 0.1

Section 4: First Aid Measures

4.1 Description of first aid measures

First aid measures general:	Call a poison control center or doctor if you feel unwell.
First aid measures after inhalation:	Remove person to fresh air and keep comfortable for breathing.
First aid measures after skin contact:	Wash skin with plenty of water. Take victim to a doctor if irritation

	persists.
First aid measures after eye contact:	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.
First aid measures after ingestion:	Call a poison control center or doctor if you feel unwell.

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

Symptoms/Effects after inhalation:	EXPOSURE TO HIGH CONCENTRATIONS: Narcosis, Feeling of weakness, Dizziness, Headaches, Nausea, Disturbances of consciousness.
Symptoms/Effects after skin contact:	ON CONTINUOUS EXPOSURE/CONTACT: Dry skin, Cracking of the skin.
Symptoms/Effects after eye contact:	Slight irritation. ON CONTINUOUS EXPOSURE/CONTACT: irritation of the eye tissue.
Symptoms/Effects after ingestion:	Nausea, irritation of the gastric/intestinal mucosa

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

Section 5: Firefighting measures

5.1 Extinguishing Media

Suitable extinguishing media: Water spray. Dry powder. Foam. Carbon dioxide.
Unsuitable extinguishing media: None known.

5.2 Special hazards arising from the substance or mixture

Fire hazard:	Flammable liquid and vapor.
Explosion hazard:	
Hazardous decomposition products:	Toxic fumes may be released. Carbon monoxide and carbon dioxide are formed upon combustion.

5.3 Advice for firefighters

Protection during firefighting:	Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.
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Section 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

6.1.1 For non-emergency personnel

Emergency procedures

Ventilate spillage area. No open flames, no sparks, and no smoking. Avoid breathing dust/fume/gas/mist/vapors/spray. Avoid contact with skin and eyes.

6.1.2 For emergency responders

Protective equipment:

Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

6.2 Environmental precautions

Avoid release to the environment.

6.3 Methods and materials for containment and cleaning up

Methods for cleaning up:

Take up liquid spill into adsorbent material. Scoop absorbed substances into closed containers. Clean contaminated surfaces with an excess of water. Wash clothing and equipment after handling. Mechanically recover the product.

Other information:

Dispose of materials or solid residues at an authorized site.

6.4 Reference to other sections

For further information refer to section 13.

Section 7: Handling and storage

7.1 Precautions for safe handling

Precautions for safe handling:

Keep away from heat, to surfaces, sparks, open flames, and other ignition sources. No smoking Do not spray on an open flame or other ignition source. Do not pierce or burn, even after use. Use only outdoors or in a well-ventilated area. Avoid breathing dust/fume/gas/mist/vapors/spray. Avoid contact with skin and eyes. Wear personal protective equipment.

Hygiene measures:

Do not eat, drink, or smoke when using this product. Always wash hands after handling the product.

7.2 Conditions for safe storage, including any incompatibilities

For containment:

Collect spillage.

Storage conditions

Protect from sunlight. Do not expose to temperatures exceeding

50°C/122°F. Store in a well-ventilated space. Keep container tightly closed. Keep cool.

7.3 Specific end use(s)

No additional information available.

Section 8: Exposure controls/personal protection

8.1 Control parameters

Naphtha (petroleum), hydrotreated heavy (64742-48-9)			
US (OSHA)	TWA	500 ppm	29CFR 1910.1000 Table Z-1 Limits for Air Contaminants
Benzene (71-43-2)			
ACGIH	STEL	8 mg/m³; 2.5 ppm	15 minutes
ACGIH	TWA	1.6 mg/m³; 0.5 ppm	8 hours
NIOSH	STEL	1 ppm	15 minutes
NIOSH	TWA	0.1 ppm	10 hours
OSHA (PEL)	STEL	5 ppm	15 minutes
OSHA (PEL)	TWA	1 ppm	8 hours

8.2 Exposure controls

8.2.1 Appropriate engineering controls

Insufficient ventilation: take precautions against electrostatic charges. Insufficient ventilation: use spark-/explosionproof appliances and lighting system. Insufficient ventilation: keep naked flames/sparks away. Measure the concentration in the air regularly. Carry operations in the open/under local exhaust/ventilation or with respiratory protection.

8.2.2 Personal Protective Equipment



8.2.2.1 Eye and Face Protection

Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: chemical splash goggles

8.2.2.2 Skin Protection

Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by

the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.

8.2.2.3 Respiratory protection

Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.

8.2.2.4 Thermal hazards

No additional information available.

8.2.3 Environmental exposure controls

Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels. See headings 6.2, 6.3, and 13.

Section 9: Physical and chemical properties

9.1 Information on basic chemical properties

Physical State:	Viscous
Color:	Black
Appearance:	Thick paste
Odor:	Naphtha
Odor threshold:	Not available
Melting Point:	Not applicable
Freezing Point:	Not available
Boiling Point:	130 – 170°C
Flammability:	Flammable
Explosive properties:	Pressurized container: May burst if heated.
Explosive limits:	0.6 – 0.7 volume %
Lower explosive limits (LEL):	Not available
Upper explosive limits (UEL):	Not available
Flash Point:	>31°C
Auto-ignition temperature:	>200°C
Decomposition temperature:	Not available
pH:	Not available
Viscosity, kinematic:	7 mm ² /s; 40°C
Solubility:	Not available
Partition coefficient n-octanol/water (Log KOW):	Not available
Vapor Pressure:	Not available

Vapor Pressure at 50°C:	Not available
Density:	1.005
Relative density:	Not available
Relative vapor density at 20°C:	1.0

9.2 Other information

9.2.1 Information with regard to physical hazard classes

% of flammable ingredients:	20%
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9.2.2 Other safety considerations

VOC Content:	< 20 % by weight 200 g/L
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Section 10: Stability and reactivity

10.1 Reactivity

May be ignited by sparks.

10.2 Chemical stability

Stable under normal conditions.

10.3 Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4 Conditions to avoid

Insufficient ventilation: take precautions against electrostatic charges. Insufficient ventilation: use spark-/explosionproof appliances and lighting system. Insufficient ventilation: keep naked flames/sparks away.

10.5 Incompatible materials

No additional information available.

10.6 Hazardous decomposition products

Upon combustion, carbon monoxide and carbon dioxide are formed.

Section 11: Toxicological Information

11.1 Information on toxicological effects

Acute toxicity (oral):	Not classified
Acute toxicity (dermal):	Not classified
Acute toxicity (inhalation):	Not classified

Naphtha (petroleum), hydrotreated middle (64742-48-9)		
LD50 (Dermal)	Rat	>3,160 mg/kg
LD50 (Oral)	Rat	> 5,000 mg/kg
LD50 (Oral)	Rat	>15,000 mg/kg
LC50 (Inhalation)	Rat	>5,000 mg/m ²
Benzene (71-43-2)		
LC50 (Inhalation)	Rat	10,000 ppm (7 hours)
LD50 (Oral)	Rat	930 mg/kg

Skin corrosion/irritation:	Not classified
Serious eye damage/irritation:	Causes serious eye irritation.
Respirator or skin sensitization:	Not classified
Germ Cell Mutagenicity:	Not classified
Carcinogenicity	Benzene – known to be a human carcinogen
Reproductive Toxicity:	Not classified
STOT - single exposure:	May cause drowsiness or dizziness.
Aspiration hazard:	Not classified
Vaporizer:	Aerosol

11.2 Information on other hazards

No additional information available.

Section 12: Ecological information

12.1 Toxicity

Ecology - General	
Hazardous to the aquatic environment, short term (acute)	No data available
Hazardous to the aquatic environment, long term (chronic)	No data available.

Distillates (petroleum), hydrotreated middle (64742-48-9)			
LC50 – Fish	>10 - <30 mg/L	Oncorhynchus mykiss	96 hours
EL50 – Invertebrates	>22 - <46 mg/L	Daphnia magna	48 hours
EC50 - Algae	>1,000 mg/L	Pseudokirchneriella subcapitata	72 hours
Benzene (71-43-2)			
LC50 – Fish	5.28 ul/L	Oncorhynchus gorbuscha	96 hours Fresh water
LC50 – Crustaceans	21 mg/L	Artemia salina	48 hours Marine Water
EC50 – Algae	29,000 ug/L	Pseudokirchneriella subcapitata	72 hours Fresh water

EC50 – Algae	160,000 ug/L	Selenastrum sp.	96 hours Fresh Water
EC50 – Algae	9.23 mg/L	Daphnia magna	48 hours

12.2 Persistence and degradability

Naphtha (petroleum), hydrotreated middle (64742-48-9)			
OECD 301F	89%	28 days	

12.3 Bioaccumulative Potential

Benzene (71-43-2)	
BCF – Fish	11
Partition coefficient n-octanol/water (Log P _{ow})	2.13 (Experimental Value 20°C)
Bioaccumulate Potential	Low potential for bioaccumulation (Log P _{ow} < 4)

12.4 Mobility in Soil

No data available.

12.5 Results of PBT and vPvB assessment

BOSS 241	
This product does not meet the PBT and vPvB classification criteria.	
Component	
Benzene (71-43-2)	This substance/mixture does not meet the PBT criteria. This substance/mixture does not meet the vPvB criteria.
Naphtha (petroleum), hydrotreated heavy	This substance/mixture does not meet the PBT criteria. This substance/mixture does not meet the vPvB criteria.

12.6 Endocrine disrupting properties

No additional information available.

12.7 Other adverse effects

No additional information available.

Section 13: Disposal Considerations

13.1 Waste treatment methods

Waste treatment methods:

Incinerate under surveillance with energy recovery. Remove waste in accordance with local and/or national regulations. Hazardous waste shall not be mixed together with other waste. Different types of hazardous waste shall not be mixed together if this may entail a risk of pollution or create problems for the further management of the waste. Hazardous waste shall be managed responsibly. All entities that store, transport or handle hazardous waste shall take the necessary measures to prevent risks of pollution or damage to people or animals. Do not discharge into drains or the environment.

Section 14: Transport information

UN Number	UN3295
UN Proper Shipping Name	Hydrocarbons, liquid, n.o.s.
DOT Classification	3.0
Packing Group	III
Labels	3
Marine Pollutants	No

Section 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation

All ingredients are on the following inventories or are exempted from the listing.

Country	Notification
Canada	DSL
United States of America	TSCA

Clean Air Act Section 112 Hazardous Air Pollutants	Benzene
Clean Air Act Section 602 Class I Substances	Not listed
Clean Air Act Section 602 Class II Substances	Not listed
DEA List I Chemicals (Precursor chemicals)	Not listed
DEA List II Chemicals (Precursor chemicals)	Not listed
SARA 302/304	No products were found
SARA 311/213	benzene
Classification	Fire hazard
	Immediate (acute) health hazard

Massachusetts Right to Know Components

Benzene (71-43-2)

Naphtha (petroleum), hydrotreated heavy (64742-48-9)

Pennsylvania Right to Know Components

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Benzene (71-43-2)
Naphtha (petroleum), hydrotreated heavy (64742-48-9)

New Jersey Right to Know Components
Benzene (71-43-2)
Naphtha (petroleum), hydrotreated heavy (64742-48-9)

California Prop 65 WARNING: This product can expose you to Benzene, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information, go to www.P65Warnings.ca.gov.

Section 16: Other information

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety, and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.