



Safety Data Sheet

Issue Date: 12-May-2015

Revision Date: 04-Jan-2019

Version 1

1. IDENTIFICATION

Product Identifier

Product Name #10 Mastic

Other means of identification

SDS # RCD 10

Recommended use of the chemical and restrictions on use

Recommended Use Seal fabricated air ducts.

Details of the supplier of the safety data sheet

Supplier Address

RCD Corporation
2850 Dillard Road
Eustis, FL 32726
www.rcdmastics.com

Emergency Telephone Number

Company Phone Number 352-589-0099
Emergency Telephone (24 hr) INFOTRAC 1-352-323-3500 (International)
1-800-535-5053 (North America)

2. HAZARDS IDENTIFICATION

Appearance Tan viscous liquid

Physical state Viscous liquid

Classification

This chemical does not meet the hazardous criteria set forth by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200). However, this Safety Data Sheet (SDS) contains valuable information critical to the safe handling and proper use of this product. This SDS should be retained and available for employees and other users of this product.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	Weight-%
Kaolin *	1332-58-7	15-20
Aluminum Hydroxide *	21645-51-2	5-10
Ground Limestone *	1317-65-3	5-10
Fly ash *	68131-74-8	1-2

If Chemical Name/CAS No is "proprietary" and/or Weight-% is listed as a range, the specific chemical identity and/or percentage of composition has been withheld as a trade secret.

*As respirable dust, nuisance dust only. Normal application procedures pose no hazard since these ingredients are encapsulated, but grinding or sanding dried films may yield respirable dusts.

4. FIRST AID MEASURES

First Aid Measures

Eye Contact	Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Inorganic particulate materials may cause mechanical irritation. Seek immediate medical attention/advice.
Skin Contact	Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. DO NOT USE SOLVENTS OR THINNERS to remove from skin. Get medical attention if irritation occurs.
Inhalation	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a poison center or doctor/physician. If breathing is difficult, oxygen should be administered by qualified personnel.
Ingestion	Do NOT induce vomiting. Drink plenty of water or milk immediately. Call a poison center or doctor/physician if you feel unwell.

Most important symptoms and effects

Symptoms	May cause mild eye irritation.
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Indication of any immediate medical attention and special treatment needed

Notes to Physician	Treat symptomatically.
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5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Dry chemical or CO2. Water fog. Universal foam.

Unsuitable Extinguishing Media Not applicable.

Specific Hazards Arising from the Chemical

Not determined.

Hazardous Combustion Products Carbon monoxide. Carbon dioxide (CO2).

Protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal Precautions	Use personal protection recommended in Section 8.
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Methods and material for containment and cleaning up

Methods for Containment	Prevent further leakage or spillage if safe to do so. Cover / dike with DRY earth, DRY sand or other non-combustible material.
Methods for Clean-Up	Sweep up and shovel into suitable containers for disposal. Clean up in accordance with all applicable regulations.

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on Safe Handling Handle in accordance with good industrial hygiene and safety practice.

Conditions for safe storage, including any incompatibilities

Storage Conditions Store away from incompatible materials. Store away from heat, sparks, flame. Keep containers tightly closed in a dry, cool and well-ventilated place.

Incompatible Materials Strong oxidizing agents.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Kaolin 1332-58-7	TWA: 2 mg/m ³ particulate matter containing no asbestos and <1% crystalline silica, respirable fraction	TWA: 15 mg/m ³ total dust TWA: 5 mg/m ³ respirable fraction (vacated) TWA: 10 mg/m ³ total dust (vacated) TWA: 5 mg/m ³ respirable fraction	TWA: 10 mg/m ³ total dust TWA: 5 mg/m ³ respirable dust
Aluminum Hydroxide 21645-51-2	TWA: 1 mg/m ³ respirable fraction	-	-
Ground Limestone 1317-65-3	-	TWA: 15 mg/m ³ total dust TWA: 5 mg/m ³ respirable fraction (vacated) TWA: 15 mg/m ³ total dust (vacated) TWA: 5 mg/m ³ respirable fraction	TWA: 10 mg/m ³ total dust TWA: 5 mg/m ³ respirable dust
Fly ash 68131-74-8	TWA: 1 mg/m ³ Cu dust and mist	-	IDLH: 100 mg/m ³ Cu dust and mist IDLH: 10 mg/m ³ Ni Ceiling: 0.05 mg/m ³ V dust and fume 15 min TWA: 1 mg/m ³ Cu dust and mist TWA: 0.015 mg/m ³ except Nickel carbonyl Ni

Appropriate engineering controls

Engineering Controls Apply technical measures to comply with the occupational exposure limits.

Individual protection measures, such as personal protective equipment

Eye/Face Protection Wear approved safety goggles. Face Mask.

Skin and Body Protection Wear appropriate clothing to prevent repeated or prolonged skin contact. Use chemical resistant gloves, if needed, to avoid prolonged or repeated skin contact.

Respiratory Protection Ensure adequate ventilation, especially in confined areas. Use NIOSH/MSHA approved dust and mist respirator when spraying product.

General Hygiene Considerations Routinely wash work clothing and protective equipment to remove contaminants. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Minimize breathing vapor or mist. Avoid prolonged or repeated contact with skin.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical state	Viscous liquid	Odor	Not determined
Appearance	Tan viscous liquid	Odor Threshold	Not determined
Color	Tan		

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
pH	7.0-8.0	
Melting Point/Freezing Point	0 °C / 32 °F	
Boiling Point/Boiling Range	100 °C / 212 °F	
Flash Point	> 162.7 °C / > 325 °F	Tag Open Cup
Evaporation Rate	Same as water	
Flammability (Solid, Gas)	Non-flammable	
Flammability Limits in Air		Not applicable
Upper Flammability Limits	Not applicable	
Lower Flammability Limit	Not applicable	
Vapor Pressure	Equal to water	
Vapor Density	equal to water	
Relative Density	>1.30	
Water Solubility	Miscible in water	
Solubility in other solvents	Soluble	
Partition Coefficient	Not determined	
Auto-ignition Temperature	Not applicable	
Decomposition Temperature	>1000°F / >537.7°C	
Kinematic Viscosity	5090 cSt	
Dynamic Viscosity	55,000 cps	
Explosive Properties	None - Stable	
Oxidizing Properties	None - Stable	

Other Information

VOC Content (%) <50 g/L

10. STABILITY AND REACTIVITY

Reactivity

Not reactive under normal conditions.

Chemical Stability

Stable under recommended storage conditions.

Possibility of Hazardous Reactions

None under normal processing.

Hazardous Polymerization Hazardous polymerization does not occur.

Conditions to Avoid

Heat, flames and sparks.

Incompatible Materials

Strong oxidizing agents.

Hazardous Decomposition Products

Carbon monoxide. Carbon dioxide (CO₂).

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information

Eye Contact	Mechanical eye irritant, avoid contact with eyes.
Skin Contact	Not a primary skin irritant.
Inhalation	Not an expected route of exposure.
Ingestion	The systemic toxicity of this substance has not been determined. However, it should be practically non-toxic to internal organs if swallowed.

Information on physical, chemical and toxicological effects

Symptoms	Please see section 4 of this SDS for symptoms.
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Delayed and immediate effects as well as chronic effects from short and long-term exposure

Carcinogenicity	Based on the information provided, this product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.
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12. ECOLOGICAL INFORMATION

Ecotoxicity

The ecological toxicity of this product is not known.

Persistence/Degradability

Not determined.

Bioaccumulation

Not determined.

Mobility

Not determined

Other Adverse Effects

Not determined

13. DISPOSAL CONSIDERATIONS

Waste Treatment Methods

Disposal of Wastes	Disposal should be in accordance with applicable regional, national and local laws and regulations.
Contaminated Packaging	Disposal should be in accordance with applicable regional, national and local laws and regulations.

14. TRANSPORT INFORMATION

Note Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances.

DOT Not regulated

IATA Not regulated**IMDG** Not regulated**15. REGULATORY INFORMATION****International Inventories**

Chemical Name	TSCA	DSL/NDSL	EINECS/E LINCS	ENCS	IECSC	KECL	PICCS	AICS
Kaolin	X	X	X	Present	X	Present	X	X
Aluminum Hydroxide	X	X	X	Present	X	Present	X	X
Ground Limestone	X	X	X	Present	X	Present	X	X
Hydrated Aluminum Silicate	X	X			X	Present	X	X
Propylene Glycol	X	X	X	Present	X	Present	X	X
Fly ash	X	X	X		X	Present	X	X

Legend:**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory**DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List**EINECS/ELINCS** - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances**ENCS** - Japan Existing and New Chemical Substances**IECSC** - China Inventory of Existing Chemical Substances**KECL** - Korean Existing and Evaluated Chemical Substances**PICCS** - Philippines Inventory of Chemicals and Chemical Substances**AICS** - Australian Inventory of Chemical Substances**US Federal Regulations****CERCLA**

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355).

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

Chemical Name	CAS No.	Weight-%	SARA 313 - Threshold Values %
Fly ash - 68131-74-8	68131-74-8	1-2	1.0 0.1

CWA (Clean Water Act)

This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

Chemical Name	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
Fly ash		X		

US State Regulations**U.S. State Right-to-Know Regulations**

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Kaolin 1332-58-7	X	X	X
Ground Limestone 1317-65-3	X	X	X
Propylene Glycol 57-55-6	X		X
Fly ash 68131-74-8	X		X

16. OTHER INFORMATION

<u>NFPA</u>	Health Hazards 1	Flammability 0	Instability 0	Special Hazards -
<u>HMIS</u>	Health Hazards 1	Flammability 0	Physical hazards 0	Personal Protection B

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Revision Note: New format

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.

End of Safety Data Sheet