



SAFETY DATA SHEET

Issue Date 14-Apr-2015

Revision Date 19-Dec-2018

Version 1

Product Name Emulsion Undercoat Quick Dry M

Product Code 83520 (BASUN83520)

Recommended Use A water-based asphalt emulsion, which is modified for superior adhesion to metal, flexibility and corrosion protection. This medium viscosity underbody coating is reinforced with mineral fillers and corrosion inhibitors to produce a tough, tight black film which resists mud cracking. It contains no volatile organic compounds and is easily sprayed.

Manufacturer Address
The Berkebile Oil Company
PO Box 715
1216 Red Brant Road
Somerset, Pennsylvania
814-443-1656

Emergency Telephone For Hazardous Materials [or Dangerous Goods] Incident, Leak, Fire, Exposure, or Accident
Call CHEMTREC Day or Night
Within USA and Canada: 1-800-424-9300 USA and Canada: +1 703-527-3887

2. HAZARDS IDENTIFICATION

Emergency Overview

The product contains no substances which at their given concentration, are considered to be hazardous to health

Appearance Brown viscous liquid Physical state Liquid. Odor Mild

Potential health effects

Acute toxicity

Eyes May cause slight irritation
Skin No known effect based on information supplied
Inhalation No known effect based on information supplied
Ingestion No known effect based on information supplied

Chronic Effects No known effect based on information supplied

Aggravated Medical Conditions None known for product as a whole.

Environmental hazard See Section 12: ECOLOGICAL INFORMATION

3. COMPOSITION/INFORMATION ON INGREDIENTS

Common name Asphalt Emulsion.

Chemical Name	CAS No.	Weight-%
Asphalt (at Ambient Temperature)	8052-42-4	40 - 50%
Kaolin	1332-58-7	10 - 20%

4. FIRST AID MEASURES

Eye contact	Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician
Skin contact	Wash skin with soap and water
Inhalation	Not applicable
Ingestion	Clean mouth with water
Note to physicians	Treat symptomatically

5. FIRE-FIGHTING MEASURES

Flammable properties	Not flammable
Flash point	Not determined Not Applicable
Suitable extinguishing media	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment

Explosion data

Sensitivity to Mechanical Impact	None
Sensitivity to Static Discharge	None

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
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<u>NFPA</u>	Health hazards 1	Flammability 0	Stability 0	Physical and Chemical Properties -
<u>HMIS</u>	Health hazards 1	Flammability 0	Physical hazards 0	Personal protection -

6. ACCIDENTAL RELEASE MEASURES

Personal precautions	Ensure adequate ventilation, especially in confined areas
Methods for containment	Prevent further leakage or spillage if safe to do so
Methods for cleaning up	Pick up the absorbed material (described just above) and transfer to properly labeled containers for disposal according to local / national regulations (see Section 13)

7. HANDLING AND STORAGE

Advice on safe handling	Handle in accordance with good industrial hygiene and safety practice
Storage Conditions	Keep from freezing

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Asphalt (at Ambient Temperature) 8052-42-4	TWA: 0.5 mg/m ³ benzene-soluble aerosol fume, inhalable particulate matter	-	Ceiling: 5 mg/m ³ fume 15 min
Kaolin 1332-58-7	TWA: 2 mg/m ³ particulate matter containing no asbestos and <1% crystalline silica, respirable particulate matter	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	TWA: 10 mg/m ³ total dust TWA 5 mg/m ³ respirable dust

		fraction	
Engineering Controls	Showers Eyewash stations Ventilation systems		
<u>Personal Protective Equipment</u>			
Eye/face protection	Wear safety glasses with side shields (or goggles)		
Respiratory protection	Ensure adequate ventilation, especially in confined areas A NIOSH/MSHA approved respirator should be worn.		
General Hygiene Considerations	Handle in accordance with good industrial hygiene and safety practice		

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical state	Liquid		
Appearance	Brown viscous liquid	Odor	Mild
Color	Brown	Odor threshold	No information available
<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>	
pH	Not Applicable	Not applicable	
Melting point/freezing point	No information available	No data available.	
Boiling point / boiling range	No information available		
Flash point	Not Applicable		
Evaporation rate	No information available		
Flammability (solid, gas)	No information available		
Flammability Limit in Air		Not applicable	
Upper flammability limit:	Not Applicable		
Lower flammability limit:	Not Applicable		
Vapor pressure	No information available		
Vapor density	No information available		
Specific Gravity	1.12 g/cm3		
Water solubility	No information available		
Solubility in other solvents	No information available		
Partition coefficient	No information available		
Autoignition temperature	No information available		
Decomposition temperature	No information available		
Kinematic viscosity	No information available		
Dynamic viscosity	No information available		
Explosive properties	No information available		
Oxidizing properties	No information available		

Other Information

Softening point	No information available
Molecular weight	No information available
VOC Content (%)	Negligible
Density	9.33 lbs/gal
Bulk density	No information available

10. STABILITY AND REACTIVITY

Stability	Stable under recommended storage conditions
Incompatible materials	None known based on information supplied
Conditions to avoid	None known based on information supplied

Hazardous Decomposition Products None known based on information supplied

Hazardous polymerization Hazardous polymerization does not occur

11. TOXICOLOGICAL INFORMATION

Acute toxicity

Product Information Product does not present an acute toxicity hazard based on known or supplied information

Component Information

* The IARC Monograph (Vol. 103, 2013, Bitumen and Bitumen Emissions) defines Asphalt as 'Group 2B, Possible Carcinogen to Humans'. This definition is based on studies of exposure to Asphalt fumes at elevated temperatures. The Monograph states that temperature plays an important role in determining the degree of exposure and also the carcinogenic potential of bitumen emissions. This same Monograph states that Asphalt is non volatile at ambient temperature. There is no data presented in the Monograph to demonstrate that Asphalt at ambient temperature is considered a carcinogen. Since the normal use of this product is at ambient temperature, the Asphalt used in this product is not listed as a carcinogen. No other national or international agency has defined Asphalt as a carcinogen.

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Asphalt (at Ambient Temperature)	> 5000 mg/kg (Rat)	> 2000 mg/kg (Rabbit)	> 94.4 mg/m ³ (Rat) 4.5 h
Kaolin	> 5000 mg/kg (Rat)	> 5000 mg/kg (Rat)	-

Chronic toxicity

Carcinogenicity The table below indicates whether each agency (ACGIH, IARC, NTP, or OSHA) has listed any ingredient as a carcinogen

Germ cell mutagenicity This product does not contain any ingredients that cause germ cell mutagenicity.

Target Organ Effects None known for product as a whole

12. ECOLOGICAL INFORMATION

Ecotoxicity

The environmental impact of this product has not been fully investigated

Chemical Name	Partition coefficient
Asphalt (at Ambient Temperature)	>6

13. DISPOSAL CONSIDERATIONS

Contaminated packaging Do not reuse container

14. TRANSPORT INFORMATION

DOT Not regulated.

TDG unknown

<u>MEX</u>	unknown
<u>ICAO (air)</u>	unknown
<u>IATA</u>	unknown
<u>IMDG</u>	unknown
<u>RID</u>	unknown
<u>ADR</u>	unknown
<u>ADN</u>	unknown

15. REGULATORY INFORMATION

International Inventories

TSCA	Complies
DSL/NDSL	Complies
EINECS/ELINCS	Complies
ENCS	Does not comply
IECSC	Complies
KECL	Complies
PICCS	Complies
AICS	Complies

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

Chemical Name	TSCA	DSL	NDSL	EINECS	ELINCS	ENCS	IECSC	KECL	PICCS	AICS
Asphalt (at Ambient Temperature)	X	X	-	X	-	X	X	X	X	X
Kaolin	X	X	-	X	-	-	X	X	X	X

US Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

SARA 311/312 Hazard Categories

Acute health hazard	No
Chronic Health Hazard	No
Fire hazard	No
Sudden release of pressure hazard	No
Reactive Hazard	No

CWA (Clean Water Act)

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

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).

US State Regulations**California Proposition 65**

This product does not contain any Proposition 65 chemicals

U.S. State Right-to-Know Regulations

This product contains the following substances regulated by various State Right-to-Know regulations.

International Regulations

Chemical Name	Carcinogenicity	Exposure Limits
Asphalt (at Ambient Temperature)	-	Mexico: TWA 5 mg/m ³ Mexico: STEL 10 mg/m ³
Kaolin	-	Mexico: TWA 10 mg/m ³ Mexico: STEL 20 mg/m ³

Canada

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR

WHMIS Hazard Class

Non-controlled

16. OTHER INFORMATION

Prepared By	FBC Administrative Services Department
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Revision Note	No information available

End of Safety Data Sheet

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