

SECTION 1: IDENTIFICATION

Product Identifier

Product Name	Product Form	Product Code
BRIDGE-MATE™	Viscous Black Liquid	RH-653

Relevant identified uses of the substance or mixture:

Black Corrosion Protective

Details of the supplier of the safety data sheet

Rhomar Industries, Inc.
 2107 E. Rockhurst St.
 Springfield, MO 65802 USA
 T 417-866-5592; F 417-866-5593
 solutions@rhomar.com

Emergency telephone number

1-800-535-5053

SECTION 2: HAZARDS IDENTIFICATION

Classification:

Flammable liquid (Category 3)
 Skin Irritation (Category 2)
 Eye Irritation (Category 2)
 Target Organ Toxicity, repeat exposure (Category 2)



Signal Word:
Warning

Hazard Statements:

Flammable liquid and vapor
 Causes skin irritation
 Causes eye irritation

Precautionary Statements

Prevention:

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources.
 No Smoking.
 Wear protective gloves, protective clothing, eye protection, and face protection.
 Do not breathe the mist or spray.
 Do not eat, drink or smoke when using this product.
 Wash exposed areas thoroughly after handling.

Response:

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 and/or attention.
Skin Contact: Wash with plenty of soap and water. Get medical advice or attention. Take off contaminated clothing and wash it before reuse.
Ingestion: Do not induce vomiting. Rinse mouth. Get medical advice and/or attention if you feel unwell.
Fire: Use carbon dioxide (CO₂), alcohol foam, water fog or dry chemical to extinguish. Do not use stream/jet of water as this will spread fire.
Storage: Store in a well ventilated place. Keep cool.
Disposal: Dispose of contents/container in accordance with local, regional, national, and international regulation.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Mixture

Name	CAS #	Weight %
Medium Aliphatic Petroleum Distillates (Stoddard Solvent)	8052-41-3	20-60
Bituminous Petroleum (Bitumen)	8052-42-4	40-80

Any concentration shown as a range is to protect confidentiality or is due to process variation.

SECTION 4: FIRST-AID MEASURES

First Aid Measures

General Advice: Take off immediately all contaminated clothing. Get Medical advice/attention if you feel unwell. Wash contaminated clothing before reuse.

Inhalation: Remove person to fresh air and keep comfortable for breathing. Get medical attention if you feel unwell.

Eye Contact: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do and continue rinsing. If eye irritation persists, get medical attention.

Ingestion: If swallowed, rinse mouth. Do not induce vomiting. Get medical advice and/or attention if you feel unwell.

Skin Contact: Take off immediately all contaminated clothing and wash it before reuse. Wash with plenty of soap and water. If skin irritation or a rash occurs, get medical advice/attention.

Most Important Symptoms and Effects, both Acute and Delayed

Symptoms

Eye Irritation: May cause stinging, tearing, redness, swelling and blurred vision.

Skin Irritation: May cause redness, itching and/or pain.

Inhalation of Mist/Vapors: Prolonged or repeated exposure may cause chronic effects.

Indication of any Immediate Medical Attention and Special Treatment Needed

Provide general supportive measures and treat symptomatically.

SECTION 5: FIRE-FIGHTING MEASURES

Suitable Extinguishing Media: Use carbon dioxide (CO₂), alcohol foam, water fog or dry chemical to extinguish.

Unsuitable Extinguishing Media: Do not use stream or jet of water as this will spread fire.

Specific Hazards Arising from the Chemical: Vaporized material may form explosive mixture with air. Thermal decomposition (burning) will produce oxides of carbon monoxide and may also produce irritating, corrosive and/or toxic gases, vapors and fumes.

Protective Equipment and Precautions for Firefighters: Self-contained breathing apparatus and full protective gear must be worn in case of fire.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures

Remove all sources of ignition. Provide adequate ventilation.

Methods and Material for Containment and Cleaning Up

Contain and absorb with inert material (e.g. oil dry, sand). Dispose in accordance with all local, state and federal regulations. In the event of a large spill, contain material and recover for use if possible. Avoid discharge into drains, water courses and the ground.

SECTION 7: HANDLING AND STORAGE

Precautions for Safe Handling

Avoid prolonged or repeated skin contact and avoid breathing vapors.

Conditions for Safe Storage, Including any Incompatibilities

Keep away from ignition sources. Keep containers tightly closed. Store in a cool, dry and well ventilated area. Avoid exposure to oxidizing agents.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

Chemical Name	ACGIH TLV-TWA	OSHA PEL
Petroleum Distillate	100ppm	500ppm

Appropriate Engineering Controls

Engineering Controls: Use with adequate ventilation.

Individual Protection Measures, such as Personal Protective Equipment

Eye/Face Protection: Face shield, goggles

Skin and Body Protection: Chemical protective gloves

Respiratory Protection: Level of exposure need to be determined. If required, use a particulate filter, a NIOSH approved air purifying respirator with organic vapor cartridge or a supplied air respirator.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Information on Basic Physical and Chemical Properties

Physical State	Viscous Liquid		
Color	Black		
pH	Not applicable	Melting Point/Freezing Point	Not determined
Boiling Point/Boiling Range	>300°F	Flash Point	104°F to 122°F
Evaporation Rate	Not determined	Flammability	Class 3
Upper Flammable Limits	Approx 6.0%	Lower Flammable Limits	Approx 0.7%
Vapor Pressure at 20°C	0.27-0.40 kPa, based on solvent	Vapor Density (air=1)	>1
Specific Gravity, 16°C	<1.0	Solubility	Very slight
Partition Coefficient	Not determined	Auto-ignition Temperature	>410°F
Decomposition Temperature	Not determined	Viscosity	400-500 mm ² /sec
Odor Threshold	Not determined	Odor	Mild petroleum odor

SECTION 10: STABILITY AND REACTIVITY

Reactivity: No data available

Chemical Stability: Stable

Possibility of Hazardous Reactions: Combustion

Polymerization: Will not occur

Conditions to Avoid: Strong oxidizing agents, sources of ignition.

Incompatible Materials: Strong oxidizing agents

Hazardous Decomposition Products: Combustion products, oxides of carbon, nitrogen, and sulfur and potentially irritating and/or toxic fumes.

SECTION 11: TOXICOLOGICAL INFORMATION

Information on Likely Routes of Exposure

Product Information

Inhalation: May cause damage to organs through prolonged or repeated exposure.

Eye Contact: Causes eye irritation

Skin Contact: Causes skin irritation.

Ingestion: Expect low ingestion hazard. Do not induce vomiting. Avoid aspiration.

Chemical Name	LD50	LC50
Petroleum Distillates	>5gm/Kg (Oral - Rat)	>5500 mg/M ³ (4hr - Rat)

Delayed and Immediate Effects as well as Chronic Effects from Short and Long-term Exposure

Prolonged or repeated inhalation of petroleum distillates may cause damage to organs.

Carcinogenicity:

None of the components of this mixture are considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.

Bitumen Fumes generated at paving temperatures in excess of 250°F are classified by IARC as “possible carcinogenic to humans” (Group 2B) but this product is used at ambient temperatures and does not generate fumes.

SECTION 12: ECOLOGICAL INFORMATION

Eco Toxicity: This mixture contains components that are potentially toxic to freshwater and Stillwater ecosystems

Environmental Fate: This material may be harmful to aquatic organisms and may cause long term adverse effects in the aquatic environment.

SECTION 13: DISPOSAL CONSIDERATIONS

Hazard characteristic and regulatory waste classification can change with product use. Accordingly, it is the responsibility of the user to determine the proper handling and disposition for disposal according to local, state, federal and international regulations.

SECTION 14: TRANSPORT INFORMATION

For Industrial/Professional Use Only
Keep out of reach of children.

Domestic (US and US to Canada)

Proper Shipping Name: Combustible Liquid, n.o.s. (contains Mineral Spirits)

Identification Numbers: NA1993

Class or Division: Comb liq

Packing Group: III

Label Codes: None

Special Provisions: IB3, T1, T4, TP1

Packaging

Exceptions: 173.150

Non-Bulk: 173.203

Bulk: 173.241

Quantity Limitations:

Passenger Aircraft/Rail: 60 L

Cargo Aircraft Only: 220 L

Vessel Stowage:

Location: A

Other:

International (including within Canada)

Proper Shipping Name: Coating Solution

Identification Numbers: UN1139

Class or Division: 3

Packing Group: III

Label Codes: 3

Special Provisions: B1, IB3, T2, TP1

Packaging

Exceptions: 173.150

Non-Bulk: 173.203

Bulk: 173.242

Quantity Limitations:

Passenger Aircraft/Rail: 60 L

Cargo Aircraft Only: 220 L

Vessel Stowage:

Location: A

Other:

Transport in Bulk according to Annex II of MARPOL 73/78 and the IBC Code.

SECTION 15: REGULATORY INFORMATION

TSCA: All components are on the TSCA inventory

Sara Title III, Section 313: No, None

Sara Title III, Sections 311, 312: Fire Hazard

SECTION 16: OTHER INFORMATION

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The information herein is presented in good faith and believed to be correct as of the date hereof. However, the manufacturer makes no representation as to the completeness and accuracy thereof. Users must make their own determination as to the suitability of the product for their purposes prior to use.

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