



MATERIAL SAFETY DATA SHEET

HVIA SURFACE TREATMENT

HMIS	PROTECTIVE CLOTHING	TRANSPORT OF DANGEROUS GOODS								
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr style="background-color: #0000ff; color: white;"> <td style="text-align: center; width: 20px;">2</td> <td style="text-align: center;">HEALTH</td> </tr> <tr style="background-color: #ff0000; color: white;"> <td style="text-align: center;">2</td> <td style="text-align: center;">FLAMMABILITY</td> </tr> <tr style="background-color: #ffa500;"> <td style="text-align: center;">0</td> <td style="text-align: center;">REACTIVITY</td> </tr> <tr style="background-color: #ffffff;"> <td style="text-align: center;">2</td> <td style="text-align: center;">PROTECTIVE EQUIPMENT</td> </tr> </table>	2	HEALTH	2	FLAMMABILITY	0	REACTIVITY	2	PROTECTIVE EQUIPMENT		<p style="text-align: right; margin-top: 10px;"> FLAMMABLE LIQUIDS UN: 1993 Hazard Class: 3 P.G.: III </p>
2	HEALTH									
2	FLAMMABILITY									
0	REACTIVITY									
2	PROTECTIVE EQUIPMENT									

SECTION I. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product name: HVIA Surface Treatment
Use: Use with Soprema brand adhesives and sealants when bonding to difficult substrates such as plastic films, very fresh non-oxidized (glossy surfaced) asphalt or coal tar.

Product Use: Manufacturer Information
 Soprema, Inc.
 310 Quadral Drive
 Wadsworth, OH 44281
 Phone: 330-334-0066

In case of emergency:
 SOPREMA (8:00am to 5:00pm – Eastern time): (800) 356-3521
 CHEMTREC (USA) (24h.): (800) 424-9300
 CHEMTREC International: (703) 527-3887

EMERGENCY OVERVIEW!!!

SECTION II. COMPOSITION AND INFORMATION ON INGREDIENTS

CAS #	Component	Percent
64742-95-6	Petroleum naphtha, light aromatic	30-60
95-63-6	Benzene, 1,2,4-trimethyl-	15-40
Proprietary	Alkoxysilane	5-10
1330-20-7	Xylenes (o-, m-, p- isomers)	1-5
Proprietary	Modified chlorinated polyolefin	1-5
98-82-8	Cumene	1-5

Component Information/Information on Non-Hazardous Components

This product is considered hazardous under 29 CFR 1910.1200 (Hazard Communication) and is a controlled product according to the Canadian Controlled Product Regulations.

SECTION III. HAZARDS IDENTIFICATION**Emergency Overview**

Combustible liquid and vapor. Vapor may cause flash fire. Vapors are heavier than air and may travel across the ground and reach remote ignition sources and flash back. Irritating to eyes. Ingestion and/or inhalation of this product causes central nervous system (CNS) effects.

Potential Health Effects: Eyes

Irritating to the eyes including a burning sensation, redness, swelling and blurred vision.

Potential Health Effects: Skin

Irritating to the skin. May be absorbed through the skin. Repeating exposure may cause skin dryness or cracking.

Potential Health Effects: Ingestion

Ingestion may result in central nervous system (CNS) effects including headache, sleepiness, dizziness, slurred speech and blurred vision.

Potential Health Effects: Inhalation

May cause irritation to the nose and upper respiratory tract. Inhalation causes central nervous system (CNS) depression with symptoms such as weakness, dizziness, confusion and drowsiness.

HMIS Ratings: Health: 2 Fire: 2 Physical: 0

Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe * = Chronic hazard

SECTION IV. FIRST AID MEASURES**First Aid: Eyes**

Immediately flush eyes with plenty of water for at least 15 minutes. If irritation persists get medical attention.

First Aid: Skin

For skin contact flush with large amounts of water while removing contaminated clothing. Wash contaminated clothing before reuse. If irritation persists, get medical attention.

First Aid: Ingestion

If material is ingested, immediately contact a physician or poison control center. Do not induce vomiting.

First Aid: Inhalation

If inhaled, immediately remove the affected person to fresh air. Call a physician if symptoms develop or persist. If not breathing, give artificial respiration and call a physician immediately.

SECTION V. FIRE-FIGHTING MEASURES**General Fire Hazards**

See Section 9 for Flammability Properties.

Combustible liquid. Vapors are heavier than air and may travel along the ground to some distant source of ignition and flash back. Vapor/air mixtures may be explosive.

Hazardous Combustion Products

Oxides of carbon. Oxides of silicon. Irritating and toxic vapors/fumes may be given off in a fire.

Extinguishing Media

Dry chemical, alcohol-resistant foam, carbon dioxide, water fog.

Fire Fighting Equipment/Instructions

Firefighters should wear full protective clothing including self contained breathing apparatus. Clear area of unprotected personnel. Move container from area if it can be done without risk. Cool containers with water spray until well after fire is out to prevent vapor build up, which could result in container rupture.

NFPA Ratings: Health: 2 Fire: 2 Reactivity: 0

Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe

SECTION VI. ACCIDENTAL RELEASE MEASURES

Containment Procedures

Contain the discharged material, if this is without risk. Reduce vapors with water spray. Eliminate ignition sources or flammables that may come into contact with a spill of this material. Equipment must be grounded to prevent sparking.

Clean-Up Procedures

Wear appropriate protective equipment and clothing during clean-up. Eliminate ignition sources including sources of electrical, static or frictional sparks. Ventilate the contaminated area. Absorb with inert material. Shovel material into appropriate container for disposal. Use non-sparking tools and ensure all equipment is grounded.

Evacuation Procedures

Isolate area. Keep unnecessary personnel away.

Special Procedures

Follow all Local, State, Federal and Provincial regulations for disposal.

SECTION VII. HANDLING AND STORAGE

HANDLING:

Avoid getting this material into contact with eyes and skin. Avoid breathing vapors or mists of this product. Keep away from heat, sparks or open flame.

STORAGE:

Keep the container tightly closed and in a cool, well-ventilated place. Eliminate all sources of ignition.

SECTION VIII. EXPOSURE CONTROLS / PERSONAL PROTECTION

A: Component Exposure Limits

Benzene, 1,2,4-trimethyl- (95-63-6)

NIOSH: 25 ppm TWA; 125 mg/m³ TWA

Xylenes (o-, m-, p- isomers) (1330-20-7)

ACGIH: 100 ppm TWA

150 ppm STEL

OSHA: 100 ppm TWA; 435 mg/m³ TWA

150 ppm STEL; 655 mg/m³ STEL

Cumene (98-82-8)

ACGIH: 50 ppm TWA

OSHA: 50 ppm TWA; 245 mg/m³ TWA

Prevent or reduce skin absorption

NIOSH: 50 ppm TWA; 245 mg/m³ TWA

Potential for dermal absorption

Engineering Controls

Explosion proof exhaust ventilation should be used.

PERSONAL PROTECTIVE EQUIPMENT

Personal Protective Equipment: Eyes/Face

Wear chemical goggles; face shield (if splashing is possible).

Personal Protective Equipment: Skin

Use impervious gloves.

Personal Protective Equipment: Respiratory

If ventilation is not sufficient to effectively prevent buildup of vapors, appropriate NIOSH respiratory protection must be provided.

Personal Protective Equipment: General

Eye wash fountain and emergency showers are recommended.

SECTION IX. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Clear Light Yellow	Odor:	Aromatic
Physical State:	Liquid	pH:	Not Available
Vapor Pressure:	Not Available	Vapor Density:	Not Available
Boiling Point:	Not Available	Melting Point:	Not Available
Solubility (H2O):	Not Available	Specific Gravity:	Not Available
Evaporation Rate:	Not Available	VOC:	97.81% (EPA 24)
Bulk Density:	7.36 Lbs/gal	Octanol/H2O Coeff.:	Not Available
Flash Point:	45°C (113°F)	Flash Point Method:	Closed Cup
Upper Flammability Limit (UFL):	Not Available	Lower Flammability Limit (LFL):	Not Available
Burning Rate:	Not Available	Auto Ignition:	Not Available

SECTION X. STABILITY AND REACTIVITY**Chemical Stability**

Stable under recommended conditions of storage and handling.

Chemical Stability: Conditions to Avoid

Keep away from heat, ignition sources and incompatible materials.

Incompatibility

Strong oxidizers, combustible materials.

Hazardous Decomposition

Oxides of carbon. Oxides of silicon. Irritating and toxic vapors/fumes may be given off in a fire.

Possibility of Hazardous Reactions

Will not occur.

SECTION XI. TOXICOLOGICAL INFORMATION

Acute Dose Effects

A: General Product Information

Excessive inhalation or ingestion of this material may cause central nervous system depression. Symptoms include headache, dizziness, nausea and loss of coordination. Causes eye irritation. Causes irritation of the skin, gastrointestinal tract or respiratory system. May be absorbed through the skin. Prolonged or repeated exposure may cause damage to the kidneys and liver.

B: Component Analysis - LD50/LC50

Petroleum naphtha, light aromatic (64742-95-6)

Inhalation LC50 Rat: >5.2 mg/L/4H

Inhalation LC50 Rat: 3400 ppm/4H

Oral LD50 Rat: 8400 mg/kg

Dermal LD50 Rabbit: >2000 mg/kg

Benzene, 1,2,4-trimethyl- (95-63-6)

Inhalation LC50 Rat: 18 g/m³/4H

Oral LD50 Rat: 3400 mg/kg

Dermal LD50 Rabbit: >3160 mg/kg

Alkoxysilane (Proprietary)

Oral LD50 Rat: 22600 µL/kg

Dermal LD50 Rabbit: 3970 µL/kg

Xylenes (o-, m-, p- isomers) (1330-20-7)

Inhalation LC50 Rat: 5000 ppm/4H

Oral LD50 Rat: 4300 mg/kg

Dermal LD50 Rabbit: >1700 mg/kg

Cumene (98-82-8)

Oral LD50 Rat: 1400 mg/kg

Dermal LD50 Rabbit: >3160 mg/kg

Carcinogenicity

A: General Product Information

No carcinogenicity data available for this product.

B: Component Carcinogenicity

Xylenes (o-, m-, p- isomers) (1330-20-7)

ACGIH: A4 - Not Classifiable as a Human Carcinogen

IARC: Monograph 71 [1999], Monograph 47 [1989] (Group 3 (not classifiable))

SECTION XII. ECOLOGICAL INFORMATION

Ecotoxicity

A: General Product Information

No information available for the product.

B: Component Analysis - Ecotoxicity - Aquatic Toxicity

No ecotoxicity data are available for this product's components.

SECTION XIII. DISPOSAL CONSIDERATIONS

US EPA Waste Number & Descriptions

A: General Product Information

If discarded, this product is considered a RCRA ignitable waste, D001. Wastes must be tested using methods described in 40 CFR Part 261 to determine if it meets applicable definitions of hazardous wastes.

B: Component Waste Numbers

Xylenes (o-, m-, p- isomers) (1330-20-7)

RCRA: waste number U239 (Ignitable waste, Toxic waste)

Cumene (98-82-8)

RCRA: waste number U055 (Ignitable waste)

Disposal Instructions

Dispose of waste material according to Local, State, Federal, and Provincial Environmental Regulations. See Section 7 for Handling Procedures. See Section 8 for Personal Protective Equipment recommendations.

See Section 7 for Handling Procedures. See Section 8 for Personal Protective Equipment recommendations.

SECTION XIV. TRANSPORT INFORMATION

US DOT Information

Shipping Name: Flammable liquids, n.o.s (Petroleum naphtha, light aromatic; 1,2,4-trimethylbenzene)

UN/NA #: UN1993 **Hazard Class:** 3 **Packing Group:** III

Required Label(s): Flammable

Additional Info.: This product meets the definition of a Combustible Liquid for transportation in the United States by road or rail. The product may be reclassified in the United States as Combustible liquid, n.o.s. (Petroleum naphtha, light aromatic; 1,2,4-trimethylbenzene), NA1993, PGIII. This reclassification does not apply to shipments by air or vessel.

TDG Information

Shipping Name: Flammable liquids, n.o.s (Petroleum naphtha, light aromatic; 1,2,4-trimethylbenzene)

UN/NA #: UN1993 **Hazard Class:** 3 **Packing Group:** III

Required Label(s): Flammable

SECTION XV. REGULATORY INFORMATION

US Federal Regulations

A: General Product Information

No information available for the product.

B: Component Analysis

This material contains one or more of the following chemicals required to be identified under SARA Section 302 (40 CFR 355 Appendix A), SARA Section 313 (40 CFR 372.65) and/or CERCLA (40 CFR 302.4).

Benzene, 1,2,4-trimethyl- (95-63-6)

SARA 313: 1.0 % de minimis concentration

Xylenes (o-, m-, p- isomers) (1330-20-7)

SARA 313: 1.0 % de minimis concentration

CERCLA: 100 lb final RQ; 45.4 kg final RQ

Cumene (98-82-8)

SARA 313: 1.0 % de minimis concentration

CERCLA: 5000 lb final RQ; 2270 kg final RQ

Acute Health: Yes **Chronic Health:** Yes **Fire:** Yes **Pressure:** No **Reactive:** No

State Regulations

A: General Product Information

Other state regulations may apply. Check individual state requirements.

B: Component Analysis - State

The following components appear on one or more of the following state hazardous substances lists:

Component	CAS	CA	MA	MN	NJ	PA	RI
Benzene, 1,2,4-trimethyl-	95-63-6	No	Yes	Yes	Yes	Yes	No
Xylenes (o-, m-, p- isomers)	1330-20-7	Yes	Yes	Yes	Yes	Yes	Yes
Cumene	98-82-8	Yes	Yes	Yes	Yes	Yes	Yes

The following statement(s) are provided under the California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65):

WARNING! This product contains a chemical known to the state of California to cause cancer.

Component Analysis - WHMIS IDL

The following components are identified under the Canadian Hazardous Products Act Ingredient Disclosure List:

Component	CAS #	Minimum Concentration
Benzene, 1,2,4-trimethyl-	95-63-6	0.1 %
Cumene	98-82-8	1 %

WHMIS Classification:

B3- Combustible

D2A- Chronic Effects (Liver/Kidney)

D2B- Skin/Eye Irritant

Additional Regulatory Information

A: General Product Information

No additional information available.

B: Component Analysis - Inventory

Component	CAS #	TSCA	CAN	EEC
Petroleum naphtha, light aromatic	64742-95-6	Yes	DSL	EINECS
Benzene, 1,2,4-trimethyl-	95-63-6	Yes	DSL	EINECS
Alkoxysilane	Proprietary	Yes	DSL	EINECS
Xylenes (o-, m-, p- isomers)	1330-20-7	Yes	DSL	EINECS
Modified chlorinated polyolefin	Proprietary	Yes	DSL	No
Cumene	98-82-8	Yes	DSL	EINECS

SECTION XVI. OTHER INFORMATION

Glossary:

ACGIH:	American Conference of Governmental Industrial Hygienists
ANSI:	American National Standards Institute
ASTM:	American Society for Testing and Materials
CAS:	Chemical Abstract Services
CFR:	Code of Federal Regulations (United States)
CSA:	Canadian Standardisation Association
DOT:	Department of Transportation (United States)
DSL:	Domestic Substances List (Canada)
EPA:	Environmental Protection Agency (United States)
HMIS:	Hazardous Material Information System
IARC:	International Agency for Research on Cancer
LC50:	(Lethal concentration ₅₀) Concentration of a substance in air that causes death of 50% mortality of a defined animal population
LD50:	(Lethal dose ₅₀) Single dose of a substance that, when administered by a defined route in an animal assay, is expected to cause the death of 50% of a defined animal population.
NFPA:	National Fire Protection Association (United States)
NIOSH:	National Institute for Occupational Safety and Health
NTP:	National Toxicology Program
OSHA:	Occupational Safety & Health Administration (United States)
PEL:	Permissible Exposure Limit
RCRA:	Resource Conservation and Recovery Act (United States)
RTECS:	Registry of Toxic Effects of Chemical Substances
TDG:	Transportation of Dangerous Goods
TLV:	Threshold Limit Value
TWA:	Time-weighted average
TSCA:	Toxic Substances Control Act (United States)
WHMIS:	Workplace Hazardous Materials Information System (Canada)

References:

- (1) Supplier MSDS

The Material Safety Data Sheets of SOPREMA are available on Internet at the following site: <http://www.soprema.us>

Justification of the update:

- Ex.
- New product.
 - New MSDS.

Disclaimer: Supplier gives no warranty of merchantability or of fitness for a particular purpose. Any product purchased is sold on the assumption the purchaser will make his own tests to determine the quality and suitability of the product. Supplier expressly disclaims any and all liability for incidental and/or consequential property damage arising out of the use of this product. No information provided shall be deemed to be a recommendation to use any product in conflict with any existing patent rights. Read the Material Safety Data Sheet before handling product.