



GENERAL DESCRIPTION

A one-part, synthetic polymer based, aliphatic solvent lap seam sealant.

BASIC USE

Specifically designed to caulk and seal the exposed sheet edges of Hydrotech's Flex-Flash UN (uncured neoprene) flashing membrane.

ADVANTAGES

- Good adhesion to neoprene membranes as well as metal, wood and concrete
- Excellent resistance to ozone, ultra-violet and general weathering
- Excellent low temperature resistance

TECHNICAL SPECIFICATIONS

Color:	Black	Weight/Gallon:	9.31 lb
Solvents:	Mineral Spirits	Solids Content:	66.4%
Base:	E.P.D.M. Rubber	Specific Gravity:	1.116
		Shelf Life:	9 months, unopened

APPLICATION

- The flashing membrane sheet edge and immediate surrounding area should be clean and free of all contaminants (dirt, oil, water) as well as any excess Splicing Cement from the lap/seam.
- Apply a bead of Lap Sealant (approx. 3/8 inch) over the membrane sheet edge and "feather" the sealant so that it meets the membrane surfaces smoothly.
- The minimum recommended application temperature is 40 °F or higher.

CAUTIONS

FLAMMABLE LIQUID!

Do not use near open fire or flame and extinguish all smoking materials. Use only in well ventilated areas. Avoid prolonged breathing of vapors and contact with skin.

A Material Safety Data Sheet is available upon request.

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AMERICAN HYDROTECH, INC.		Print Date: 8/26/2015
LAP SEALANT		SDS Number: R0286973
		Version: 1.1

29 CFR 1910.1200 (OSHA HazCom 2012)

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product identifier

Trade name LAP SEALANT

Recommended use of the chemical and restrictions on use

Use of the Substance/Mixture : Adhesives

Details of the supplier of the safety data sheet American Hydrotech, Inc. 303 East Ohio Street, Suite 2700 Chicago, IL 60611 www.hydrotechusa.com	Emergency telephone number (312) 337-4998
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SECTION 2. HAZARDS IDENTIFICATION

GHS Classification

Flammable liquids : Category 2

Skin sensitization : Category 1

Carcinogenicity (Inhalation) : Category 2

Specific target organ systemic toxicity - single exposure : Category 3 (Central nervous system)

GHS Label element

Hazard pictograms :





Signal Word : Danger

Hazard Statements : Highly flammable liquid and vapor.
May cause an allergic skin reaction.
May cause drowsiness or dizziness.
Suspected of causing cancer if inhaled.

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Precautionary Statements : **Prevention:**
 Obtain special instructions before use.
 Do not handle until all safety precautions have been read and understood.
 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
 Keep container tightly closed.
 Ground/bond container and receiving equipment.
 Use explosion-proof electrical/ ventilating/ lighting/ equipment.
 Use only non-sparking tools.
 Take precautionary measures against static discharge.
 Avoid breathing dust/ fume/ gas/ mist/ vapors/ spray.
 Use only outdoors or in a well-ventilated area.
 Contaminated work clothing must not be allowed out of the workplace.
 Wear protective gloves/ protective clothing/ eye protection/ face protection.
Response:
 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor/ physician if you feel unwell.
 IF exposed or concerned: Get medical advice/ attention.
 If skin irritation or rash occurs: Get medical advice/ attention.
 Wash contaminated clothing before reuse.
 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish.
Storage:
 Store in a well-ventilated place. Keep container tightly closed.
 Store in a well-ventilated place. Keep cool.
 Store locked up.
Disposal:
 Dispose of contents/ container to an approved waste disposal plant.

Other hazards
 Static Accumulating liquid

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture
 Chemical nature : Defatter

Hazardous components

Chemical Name	CAS-No.	Classification	Concentration (%)
MINERAL OIL	800986-5072P	Not a hazardous substance or mixture.	>= 5.00 - < 10.00

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PHENOL DERIVATIVE	800986-5033P	Skin Sens. 1; H317	>= 0.10 - < 0.50
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The identity of one or more component(s) is being withheld under business confidentiality.

SOLVENT NAPHTHA (PETROLEUM), LIGHT ALIPHATIC	64742-89-8	Flam. Liq. 2; H225 STOT SE 3; H336 Asp. Tox. 1; H304	29.40
PETROLEUM DISTILLATES (STODDARD TYPE)	8052-41-3	Flam. Liq. 3; H226 Asp. Tox. 1; H304	12.60
KAOLIN	1332-58-7	This material is not considered hazardous under the OSHA Hazard Communication Standard (HazCom 2012).	9.99
CARBON BLACK	1333-86-4	Carc. 2; H351	0.93

SECTION 4. FIRST AID MEASURES

General advice	: Move out of dangerous area. Call a POISON CENTRE or doctor/physician if exposed or you feel unwell. Show this safety data sheet to the doctor in attendance. Do not leave the victim unattended.
If inhaled	: Move to fresh air. If unconscious place in recovery position and seek medical advice. Consult a physician after significant exposure.
In case of skin contact	: Remove contaminated clothing. If irritation develops, get medical attention.

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If on skin, rinse well with water.
 First aid is not normally required. However, it is recommended that exposed areas be cleaned by washing with soap and water.
 Wash contaminated clothing before re-use.
 If on clothes, remove clothes.

- In case of eye contact : Flush eyes with water as a precaution.
 Remove contact lenses.
 Protect unharmed eye.
 If eye irritation persists, consult a specialist.
- If swallowed : Do not give milk or alcoholic beverages.
 Never give anything by mouth to an unconscious person.
 If symptoms persist, call a physician.
- Most important symptoms and effects, both acute and delayed : Inhalation of high concentrations of this material, as could occur in enclosed spaces or during deliberate abuse, may be associated with cardiac arrhythmias. Sympathomimetic drugs may initiate cardiac arrhythmias in persons exposed to this material.

Acute aspiration of large amounts of oil-laden material may produce a serious aspiration pneumonia. Patients who aspirate these oils should be followed for the development of long-term sequelae. Repeated aspiration of small quantities of mineral oil can produce chronic inflammation of the lungs (i.e. lipoid pneumonia) that may progress to pulmonary fibrosis. Symptoms are often subtle and radiological changes appear worse than clinical abnormalities. Occasionally, persistent cough, irritation of the upper respiratory tract, shortness of breath with exertion, fever, and bloody sputum occur. Inhalation exposure to oil mists below current workplace exposure limits is unlikely to cause pulmonary abnormalities.

Signs and symptoms of exposure to this material through breathing, swallowing, and/or passage of the material through the skin may include:

stomach or intestinal upset (nausea, vomiting, diarrhea)
 irritation (nose, throat, airways)
 May cause an allergic skin reaction.
 May cause drowsiness or dizziness.
 Suspected of causing cancer if inhaled.

- Notes to physician : No hazards which require special first aid measures.

SECTION 5. FIREFIGHTING MEASURES

- Suitable extinguishing media : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
 Water spray
 Foam

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Alcohol-resistant foam
Carbon dioxide (CO₂)
Dry chemical

Unsuitable extinguishing media	: High volume water jet
Specific hazards during firefighting	: Never use welding or cutting torch on or near drum (even empty) because product (even just residue) can ignite explosively. Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas. Do not allow run-off from fire fighting to enter drains or water courses.
Hazardous combustion products	: Aldehydes carbon dioxide and carbon monoxide organic compounds various hydrocarbons Hydrocarbons aluminum oxides silicon oxides Hydrogen chloride gas
Specific extinguishing methods	: Product is compatible with standard fire-fighting agents.
Further information	: Do not use a solid water stream as it may scatter and spread fire. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. Use a water spray to cool fully closed containers.
Special protective equipment for firefighters	: In the event of fire, wear self-contained breathing apparatus.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures	: Evacuate personnel to safe areas. Remove all sources of ignition. Use personal protective equipment. Ensure adequate ventilation. Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas. Persons not wearing protective equipment should be excluded from area of spill until clean-up has been completed.
Environmental precautions	: Prevent product from entering drains. Prevent further leakage or spillage if safe to do so. If the product contaminates rivers and lakes or drains inform respective authorities.

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- Methods and materials for containment and cleaning up : Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13).
- Other information : Comply with all applicable federal, state, and local regulations. Suppress (knock down) gases/vapours/mists with a water spray jet.

SECTION 7. HANDLING AND STORAGE

- Advice on safe handling : Open drum carefully as content may be under pressure.
Avoid formation of aerosol.
Provide sufficient air exchange and/or exhaust in work rooms.
Do not breathe vapours/dust.
Do not smoke.
Persons susceptible to skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.
Container hazardous when empty.
Take precautionary measures against static discharges.
Avoid exposure - obtain special instructions before use.
Avoid contact with skin and eyes.
Smoking, eating and drinking should be prohibited in the application area.
For personal protection see section 8.
Dispose of rinse water in accordance with local and national regulations.
- Conditions for safe storage : Keep container tightly closed in a dry and well-ventilated place.
Containers which are opened must be carefully resealed and kept upright to prevent leakage.
Observe label precautions.
No smoking.
Electrical installations / working materials must comply with the technological safety standards.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
MINERAL OIL	800986-	REL	5 mg/m3	NIOSH/GUID

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	5072P		Mist.	E
		STEL	10 mg/m3 Mist.	NIOSH/GUID E
		PEL	5 mg/m3 Mist.	OSHA_TRA NS
		TWA	5 mg/m3 Mist.	TN OEL
		TWA	5 mg/m3 Inhalable fraction.	ACGIH
SOLVENT NAPHTHA (PETROLEUM), LIGHT ALIPHATIC	64742-89-8	TWA	500 ppm	OSHA_TRA NS
		TWA	300 ppm	ACGIH
		TWA	2,000 mg/m3	OSHA_TRA NS
		TWA	1,370 mg/m3	ACGIH
PETROLEUM DISTILLATES (STODDARD TYPE)	8052-41-3	TWA	100 ppm	ACGIH
		TWA	100 ppm	ACGIH
		REL	350 mg/m3	NIOSH/GUID E
		REL	350 mg/m3	NIOSH/GUID E
		Ceil_Time	1,800 mg/m3	NIOSH/GUID E
		Ceil_Time	1,800 mg/m3	NIOSH/GUID E
		PEL	500 ppm 2,900 mg/m3	OSHA_TRA NS
		PEL	500 ppm 2,900 mg/m3	OSHA_TRA NS
KAOLIN	1332-58-7	TWA	2 mg/m3 Respirable fraction.	ACGIH
		REL	5 mg/m3 Respirable.	NIOSH/GUID E
		REL	10 mg/m3 Total	NIOSH/GUID E
		PEL	5 mg/m3 Respirable fraction.	OSHA_TRA NS
		PEL	15 mg/m3 Total dust.	OSHA_TRA NS
		TWA	10 mg/m3 Total dust.	TN OEL
		TWA	5 mg/m3 Respirable fraction.	TN OEL
CARBON BLACK	1333-86-4	REL	0.1 mg/m3	NIOSH/GUID E
		REL	3.5 mg/m3	NIOSH/GUID E

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		PEL	3.5 mg/m3	OSHA_TRANS
		TWA	3 mg/m3 Inhalable fraction.	ACGIH
TITANIUM DIOXIDE (TiO2)	13463-67-7	TWA	10 mg/m3	ACGIH
		PEL	15 mg/m3 Total dust.	OSHA_TRANS
		TWA	1 mg/m3 Respirable fraction.	ACGIHLIS_P

Engineering measures : Provide sufficient mechanical (general and/or local exhaust) ventilation to maintain exposure below exposure guidelines (if applicable) or below levels that cause known, suspected or apparent adverse effects.

Personal protective equipment

Respiratory protection : In the case of vapour formation use a respirator with an approved filter.

A NIOSH-approved air-purifying respirator with an appropriate cartridge and/or filter may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits (if applicable) or if overexposure has otherwise been determined. Protection provided by air-purifying respirators is limited. Use a positive pressure, air-supplied respirator if there is any potential for uncontrolled release, exposure levels are not known or any other circumstances where an air-purifying respirator may not provide adequate protection.

Hand protection
Remarks : The suitability for a specific workplace should be discussed with the producers of the protective gloves.

Eye protection : Not required under normal conditions of use. Wear splash-proof safety goggles if material could be misted or splashed into eyes.

Skin and body protection : Wear as appropriate:
impervious clothing
Safety shoes
Flame-resistant clothing
Choose body protection according to the amount and concentration of the dangerous substance at the work place.
Discard gloves that show tears, pinholes, or signs of wear.
Wear resistant gloves (consult your safety equipment supplier).

Hygiene measures : Wash hands before breaks and at the end of workday.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

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Appearance : paste
 Physical state : liquid
 Colour : black
 Odour : No data available
 Odour Threshold : No data available
 pH : No data available
 : No data available
 Boiling point/boiling range : 185 °F / 85 °C
 (1,013.333333 hPa)
 Calculated Phase Transition Liquid/Gas
 Flash point : 50 °F / 10 °C
 (Estimated)
 Evaporation rate : < 1
 Ethyl Ether
 Flammability (solid, gas) :
 No data available
 Flammability (liquids) : Static Accumulating liquid
 Flammability (liquids) :
 Upper explosion limit : 8 %(V)
 Calculated Explosive Limit
 Lower explosion limit : 1 %(V)
 Calculated Explosive Limit
 Vapour pressure : No data available
 Relative vapour density : > 1AIR=1
 Relative density : 0.988 (25 °C)
 Density : 0.988 g/cm3 (20 °C)
 Solubility(ies)
 Water solubility : practically insoluble
 Solubility in other solvents : No data available
 Partition coefficient: n-octanol/water : No data available
 Thermal decomposition : No data available
 Viscosity

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Viscosity, dynamic : ca. 600,000 mPa.s (20 °C)

Viscosity, kinematic : > 7 mm²/s (40 °C)

Oxidizing properties : No data available

SECTION 10. STABILITY AND REACTIVITY

Reactivity : No decomposition if stored and applied as directed.

Chemical stability : Stable under recommended storage conditions.

Possibility of hazardous reactions : Vapours may form explosive mixture with air.

Conditions to avoid : Heat, flames and sparks.

excessive heat
Exposure to sunlight.

Incompatible materials : Bases
Iron
Oxidizing agents
steel
Strong acids

Hazardous decomposition products
Aldehydes
carbon dioxide and carbon monoxide
Hydrocarbons
Hydrogen chloride gas
organic compounds
various hydrocarbons

SECTION 11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure : Inhalation
Skin contact
Eye Contact
Ingestion

Acute toxicity

Not classified based on available information.

Components:

MINERAL OIL:

Acute oral toxicity : LD 50 (Rat): 50,000 mg/kg

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Acute dermal toxicity : LD 50 (Rabbit): > 2,000 mg/kg
Assessment: Not classified as acutely toxic by dermal absorption under GHS.

PHENOL DERIVATIVE:

Acute oral toxicity : LD 50 (Rat): > 2,000 mg/kg

Components:

SOLVENT NAPHTHA (PETROLEUM), LIGHT ALIPHATIC:

Acute oral toxicity : LD 50 (Rat): > 8,000 mg/kg

Acute inhalation toxicity : LC 50 (Rat): > 7,630 mg/m3
Exposure time: 4 h
Test atmosphere: vapour
Method: OECD Test Guideline 403
Assessment: No adverse effect has been observed in acute inhalation toxicity tests.

Acute dermal toxicity : LD 50 (Rat): > 4,000 mg/kg
Assessment: Not classified as acutely toxic by dermal absorption under GHS.

PETROLEUM DISTILLATES (STODDARD TYPE):

Acute oral toxicity : LD 50 (Rat): > 5 g/kg

Acute dermal toxicity : LD 50 (Rabbit): > 3 g/kg

KAOLIN:

Acute oral toxicity : LD 50 (Rat): > 5,000 mg/kg

Acute dermal toxicity : LD 50 (Rat): > 5,000 mg/kg

CARBON BLACK:

Acute oral toxicity : LD 50 (Rat): > 10,000 mg/kg

Acute dermal toxicity : LD 50 (Rabbit): > 3 g/kg

Skin corrosion/irritation

Not classified based on available information.

Product:

Result: Repeated exposure may cause skin dryness or cracking.

Remarks: May cause skin irritation in susceptible persons.

Components:

MINERAL OIL:

Result: Not irritating to skin

PHENOL DERIVATIVE:

Result: Possibly irritating to skin

Components:

SOLVENT NAPHTHA (PETROLEUM), LIGHT ALIPHATIC:

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Result: Mildly irritating to skin

Result: Repeated exposure may cause skin dryness or cracking.

PETROLEUM DISTILLATES (STODDARD TYPE):

Result: Mildly irritating to skin

KAOLIN:

Result: Not irritating to skin

CARBON BLACK:

Result: Not irritating to skin

Serious eye damage/eye irritation

Not classified based on available information.

Product:

Remarks: Unlikely to cause eye irritation or injury.

Components:

MINERAL OIL:

Result: Not irritating to eyes

PHENOL DERIVATIVE:

Result: Not irritating to eyes

Components:

SOLVENT NAPHTHA (PETROLEUM), LIGHT ALIPHATIC:

Result: Mildly irritating to eyes

PETROLEUM DISTILLATES (STODDARD TYPE):

Result: Mildly irritating to eyes

KAOLIN:

Result: Not irritating to eyes

CARBON BLACK:

Result: Slightly irritating to eyes

Respiratory or skin sensitisation

Skin sensitisation: May cause an allergic skin reaction.

Respiratory sensitisation: Not classified based on available information.

Components:

PHENOL DERIVATIVE:

Assessment: May cause sensitization by skin contact.

Result: May cause sensitization by skin contact.

Germ cell mutagenicity

Not classified based on available information.

Carcinogenicity

Suspected of causing cancer if inhaled.

Components:

CARBON BLACK:

Carcinogenicity -

Assessment

: Limited evidence of carcinogenicity in inhalation studies with animals.

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Reproductive toxicity

Not classified based on available information.

STOT - single exposure

May cause drowsiness or dizziness.

Components:

SOLVENT NAPHTHA (PETROLEUM), LIGHT ALIPHATIC:

Exposure routes: Inhalation

Target Organs: Central nervous system

Assessment: May cause drowsiness or dizziness.

STOT - repeated exposure

Not classified based on available information.

Aspiration toxicity

Not classified based on available information.

Product:

No aspiration toxicity classification

Components:

SOLVENT NAPHTHA (PETROLEUM), LIGHT ALIPHATIC:

May be fatal if swallowed and enters airways.

PETROLEUM DISTILLATES (STODDARD TYPE):

May be fatal if swallowed and enters airways.

Further information

Product:

Remarks: Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting., Concentrations substantially above the TLV value may cause narcotic effects., Solvents may degrease the skin.

Carcinogenicity:

IARC

Group 2B: Possibly carcinogenic to humans

CARBON BLACK 1333-86-4

TITANIUM DIOXIDE (TiO₂) 13463-67-7

OSHA

No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

NTP

No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

No data available

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Persistence and degradability

No data available

Bioaccumulative potential

No data available

Mobility in soil

No data available

Other adverse effects

No data available

Product:

Additional ecological information : An environmental hazard cannot be excluded in the event of unprofessional handling or disposal., Harmful to aquatic life with long lasting effects.

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods

General advice : The product should not be allowed to enter drains, water courses or the soil.
Do not contaminate ponds, waterways or ditches with chemical or used container.
Send to a licensed waste management company.

Dispose of in accordance with all applicable local, state and federal regulations.

Contaminated packaging : Empty remaining contents.
Dispose of as unused product.
Empty containers should be taken to an approved waste handling site for recycling or disposal.
Do not re-use empty containers.
Do not burn, or use a cutting torch on, the empty drum.

SECTION 14. TRANSPORT INFORMATION

International transport regulations

REGULATION

ID NUMBER	PROPER SHIPPING NAME	*HAZARD CLASS	SUBSIDIARY HAZARDS	PACKING GROUP	MARINE POLLUTANT / LTD. QTY.
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MEXICAN REGULATION FOR THE LAND TRANSPORT OF HAZARDOUS MATERIALS AND WASTES

UN	1133	Adhesives	3	II	LIMITED QUANTITY
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INTERNATIONAL AIR TRANSPORT ASSOCIATION - PASSENGER

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UN	1133	Adhesives	3	II	LIMITED QUANTITY

INTERNATIONAL AIR TRANSPORT ASSOCIATION - CARGO

UN	1133	Adhesives	3	II	LIMITED QUANTITY

INTERNATIONAL MARITIME DANGEROUS GOODS

UN	1133	ADHESIVES	3	II	LIMITED QUANTITY

TRANSPORT CANADA - INLAND WATERWAYS

UN	1133	ADHESIVES	3	II	LIMITED QUANTITY

TRANSPORT CANADA - RAIL

UN	1133	ADHESIVES	3	II	LIMITED QUANTITY

TRANSPORT CANADA - ROAD

UN	1133	ADHESIVES	3	II	MARINE POLLUTANT:(SOLVENT NAPHTHA (PETROLEUM) , LIGHT ALIPHATIC)LI MITED QUANTITY

U.S. DOT - INLAND WATERWAYS

UN	1133	Adhesives	3	II	

U.S. DOT - RAIL

UN	1133	Adhesives	3	II	

U.S. DOT - ROAD

UN	1133	ADHESIVOS	3	II	

*ORM = ORM-D, CBL = COMBUSTIBLE LIQUID

Marine pollutant	yes
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Dangerous goods descriptions (if indicated above) may not reflect quantity, end-use or region-specific exceptions that can be applied. Consult shipping documents for descriptions that are specific to the shipment.

SECTION 15. REGULATORY INFORMATION

EPCRA - Emergency Planning and Community Right-to-Know Act

CERCLA Reportable Quantity

Components	CAS-No.	Component RQ (lbs)	Calculated product RQ (lbs)
XYLENE	1330-20-7	100	26476.039185

SARA 311/312 Hazards : Fire Hazard
Acute Health Hazard
Chronic Health Hazard

SARA 313 Component(s) : This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

California Prop 65 WARNING! This product contains a chemical known to the State of California to cause cancer.

CARBON BLACK	1333-86-4
QUARTZ / SAND	14808-60-7
ETHYL BENZENE	100-41-4
NAPHTHALENE	91-20-3
BENZENE	71-43-2

WARNING: This product contains a chemical known to the State of California to cause birth defects or other reproductive harm.

TOLUENE	108-88-3
BENZENE	71-43-2

The components of this product are reported in the following inventories:

TSCA : On TSCA Inventory

DSL : All components of this product are on the Canadian DSL.

AUSTR : On the inventory, or in compliance with the inventory

ENCS : Not in compliance with the inventory

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KECL : On the inventory, or in compliance with the inventory

PICCS : Not in compliance with the inventory

IECSC : Not in compliance with the inventory

Inventories

AICS (Australia), DSL (Canada), IECSC (China), REACH (European Union), ENCS (Japan), ISHL (Japan), KECI (Korea), NZIoC (New Zealand), PICCS (Philippines), TSCA (USA)

Registration: Trade Secret

Chemical Name	Identification number
MINERAL OIL	Not Assigned
PHENOL DERIVATIVE	800986-5033P

SECTION 16. OTHER INFORMATION

Further information

Revision Date: 05/25/2015

NFPA:	HMIS III:						
Flammability Health Instability Special hazard.	<table> <tr> <td>HEALTH</td><td>1*</td></tr> <tr> <td>FLAMMABILITY</td><td>3</td></tr> <tr> <td>PHYSICAL HAZARD</td><td>0</td></tr> </table> 0 = not significant, 1 = Slight, 2 = Moderate, 3 = High 4 = Extreme, * = Chronic	HEALTH	1*	FLAMMABILITY	3	PHYSICAL HAZARD	0
HEALTH	1*						
FLAMMABILITY	3						
PHYSICAL HAZARD	0						

NFPA Flammable and Combustible Liquids Classification

Flammable Liquid Class IB

Full text of H-Statements referred to under sections 2 and 3.

H225	Highly flammable liquid and vapor.
H226	Flammable liquid and vapor.
H304	May be fatal if swallowed and enters airways.
H317	May cause an allergic skin reaction.
H336	May cause drowsiness or dizziness.
H351	Suspected of causing cancer if inhaled.

Sources of key data used to compile the Safety Data Sheet
Ashland internal data including own and sponsored test reports

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LAP SEALANT		SDS Number: R0286973
		Version: 1.1

The UNECE administers regional agreements implementing harmonised classification for labelling (GHS) and transport.

The information accumulated herein is believed to be accurate but is not warranted to be whether originating with the company or not. Recipients are advised to confirm in advance of need that the information is current, applicable, and suitable to their circumstances. This SDS has been prepared by Ashland's Environmental Health and Safety Department (1-800-325-3751).

List of abbreviations and acronyms that could be, but not necessarily are, used in this safety data sheet :

ACGIH : American Conference of Industrial Hygienists

BEI : Biological Exposure Index

CAS : Chemical Abstracts Service (Division of the American Chemical Society).

CMR : Carcinogenic, Mutagenic or Toxic for Reproduction

FG : Food grade

GHS : Globally Harmonized System of Classification and Labeling of Chemicals.

H-statement : Hazard Statement

IATA : International Air Transport Association.

IATA-DGR : Dangerous Goods Regulation by the "International Air Transport Association" (IATA).

ICAO : International Civil Aviation Organization

ICAO-TI (ICAO) : Technical Instructions by the "International Civil Aviation Organization"

IMDG : International Maritime Code for Dangerous Goods

ISO : International Organization for Standardization

logPow : octanol-water partition coefficient

LCxx : Lethal Concentration, for xx percent of test population

LDxx : Lethal Dose, for xx percent of test population.

ICxx : Inhibitory Concentration for xx of a substance

Ecxx : Effective Concentration of xx

N.O.S.: Not Otherwise Specified

OECD : Organization for Economic Co-operation and Development

OEL : Occupational Exposure Limit

P-Statement : Precautionary Statement

PBT : Persistent , Bioaccumulative and Toxic

PPE : Personal Protective Equipment

STEL : Short-term exposure limit

STOT : Specific Target Organ Toxicity

TLV : Threshold Limit Value

TWA : Time-weighted average

vPvB : Very Persistent and Very Bioaccumulative

WEL : Workplace Exposure Level

CERCLA : Comprehensive Environmental Response, Compensation, and Liability Act

DOT : Department of Transportation

FIFRA : Federal Insecticide, Fungicide, and Rodenticide Act

HMIRC : Hazardous Materials Information Review Commission

HMIS : Hazardous Materials Identification System

NFPA : National Fire Protection Association

NIOSH : National Institute for Occupational Safety and Health

OSHA : Occupational Safety and Health Administration

PMRA : Health Canada Pest Management Regulatory Agency

RTK : Right to Know

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WHMIS : Workplace Hazardous Materials Information System



77 Westport Plaza
Suite 250
St. Louis, MO 63146

TRANSMITTAL

No. 15051-0373

Paric Corporation

PROJECT: 15051-Webster University Interdisciplinary Science Building

DATE: 12/06/2016

TO: Cannon Design
1100 Clark Ave
St Louis MO 63102

Fax;
314-241-2203

RE: Green Roof Materials Product Data

ATTN: Kelvin Patel

JOB: 15051

WE ARE SENDING:	SUBMITTED FOR:	ACTION TAKEN:
☐ Shop Drawings	☒ Approval	☐ Approved as Submitted
☐ Letter	☐ Your Use	☐ Approved as Noted
☐ Prints	☐ As Requested	☐ Returned After Loan
☐ Change Order	☐ Review and Comment	☐ Resubmit
☐ Plans		☐ Submit
☐ Samples	SENT VIA:	☐ Returned
☐ Specifications	☐ Attached	☐ Returned for Corrections
☒ Other: Product Data	☐ Separate Cover Via:	☐ Due Date:

Item	Package	Code	Rev.	Copies	Date	Description	Status
Submittal		071413-008	1		12/06/2016	Green Roof Materials Product Data	Submitted

NOTES:

CC:

Signed: _____
Devin Gates