



Herculiner Truck Bed Liner

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form : Mixture
Product name : Herculiner Truck Bed Liner

1.2. Relevant identified uses of the substance or mixture and uses advised against

Use of the substance/mixture : Roll-on Truck Bed Liner

1.3. Details of the supplier of the safety data sheet

Old World Industries, LLC
4065 Commercial Ave.
Northbrook, IL 60062 - USA
T (847) 559-2000
www.oldworldind.com

1.4. Emergency telephone number

Emergency number : (800) 424-9300; (703) 527 3887 (International)
Chemtrec

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

GHS-US classification

Flam. Liq. 3	H226
Acute Tox. 4 (Inhalation:dust,mist)	H332
Skin Irrit. 2	H315
Resp. Sens. 1	H334
Skin Sens. 1	H317
Carc. 2	H351
STOT RE 2	H373

2.2. Label elements

GHS-US labelling

Hazard pictograms (GHS-US) :



GHS02



GHS07



GHS08

Signal word (GHS-US) :

Danger

Hazard statements (GHS-US) :

H226 - Flammable liquid and vapor
H315 - Causes skin irritation
H317 - May cause an allergic skin reaction
H332 - Harmful if inhaled
H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled
H351 - Suspected of causing cancer
H373 - May cause damage to organs through prolonged or repeated exposure

Precautionary statements (GHS-US) :

P201 - Obtain special instructions before use
P202 - Do not handle until all safety precautions have been read and understood
P210 - Keep away from heat, hot surfaces, open flames, sparks. - No smoking
P233 - Keep container tightly closed
P242 - Use only non-sparking tools
P260 - Do not breathe fume, mist, spray, vapors
P264 - Wash affected areas thoroughly after handling
P271 - Use only outdoors or in a well-ventilated area
P280 - Wear personal protective equipment as required
P284 - [In case of inadequate ventilation] wear respiratory protection
P303 + P361 + P353 - If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower
P304 + P340 - If inhaled: Remove person to fresh air and keep comfortable for breathing
P312 - Call a doctor/physician or poison center if you feel unwell
P321 - Specific treatment (see label elements and supplemental first aid instructions on this

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label)
P333 + P313 - If skin irritation or rash occurs: Get medical advice/attention
P342 + P311 - If experiencing respiratory symptoms: Call a doctor/physician or poison center
P362 - Take off contaminated clothing and wash before reuse
P370 + P378 - In case of fire: Use foam/dry powder/carbon dioxide to extinguish
P403 + P235 - Store in a well-ventilated place. Keep cool
P405 - Store locked up
P501 - Dispose of contents/container, in a safe manner, to to appropriate waste disposal facility, in accordance with local/regional/national/international regulations.

2.3. Other hazards

No additional information available

2.4. Unknown acute toxicity (GHS-US)

No data available

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	% by wt	GHS-US classification
xylene, mixture of isomers	(CAS No) 1330-20-7	<= 29.4	Flam. Liq. 3, H226 Acute Tox. 4 (Dermal), H312 Acute Tox. 4 (Inhalation), H332 Acute Tox. 4 (Inhalation:dust,mist), H332 Skin Irrit. 2, H315
polymethylene polyphenyl isocyanate	(CAS No) 9016-87-9	<= 5	Acute Tox. 4 (Inhalation), H332 Skin Irrit. 2, H315 Eye Irrit. 2A, H319 Resp. Sens. 1, H334 Skin Sens. 1, H317 Carc. 2, H351 STOT SE 3, H335 STOT RE 2, H373

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible). Suspected of causing cancer. Symptoms of poisoning may not appear for several hours. medical observation is recommended for at least 48 hours after accident.
First-aid measures after inhalation	: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. If experiencing respiratory symptoms: Assure fresh air breathing. Call a POISON CENTER/doctor/physician if you feel unwell. Call a POISON CENTER or doctor/physician. Remove to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER/doctor/physician if you feel unwell. Provide oxygen treatment if affected person has difficulty breathing. In case of irregular breathing or respiratory arrest provide artificial respiration.
First-aid measures after skin contact	: Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash with plenty of soap and water. Wash contaminated clothing before reuse. If skin irritation occurs: Get medical advice/attention. If skin irritation or rash occurs: Get medical advice/attention.
First-aid measures after eye contact	: Remove contact lenses, if present and easy to do. Continue rinsing. Rinse cautiously with water for several minutes. Get medical advice/attention. If eye irritation persists: Get medical advice/attention.
First-aid measures after ingestion	: Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention. Drink plenty of water. A person vomiting while laying on their back should be turned onto their side.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries	: Causes damage to organs.
Symptoms/injuries after inhalation	: May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause an allergic skin reaction. May cause respiratory irritation. Danger of impaired breathing. Danger of pulmonary oedema.
Symptoms/injuries after skin contact	: Causes skin irritation.
Symptoms/injuries after eye contact	: Causes serious eye irritation.
Symptoms/injuries after ingestion	: Nausea. Gastrointestinal complaints. Dizziness.

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4.3. Indication of any immediate medical attention and special treatment needed

If swallowed or in case of vomiting, danger of entering the lungs. Severe allergic skin reaction, bronchial spasms and anaphylactic shock are possible. In cases of irritation to the lungs, initial treatment with cortical steroid inhalants. If necessary oxygen respiration treatment. Treat skin and mucous membrane with antihistamine and corticoid preparations. Contains diphenylmethanediisocyanate, isomers and homologues. May produce an allergic reaction.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Sand.
Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

Fire hazard : Flammable liquid and vapor. During heating or in case of fire poisonous gases are produced.
Explosion hazard : May form flammable/explosive vapor-air mixture.
Reactivity : Cures with exposure to water vapor.

5.3. Advice for firefighters

Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : Remove ignition sources. Use special care to avoid static electric charges. No naked lights. No smoking. Isolate area and prevent access.

6.1.1. For non-emergency personnel

Protective equipment : Use respiratory protective device against the effects of fumes, dust, aerosol.
Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

Protective equipment : Equip cleanup crew with proper protection. Refer to section 8.2.
Emergency procedures : Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

For containment : Allow to solidify. Pick up mechanically. Dispose contaminated material as waste according to Section 13. Ensure adequate ventilation. Do not flush with water or aqueous cleansing agents.
Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Additional hazards when processed : Handle empty containers with care because residual vapors are flammable.
Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapor.
Hygiene measures : Wash affected areas thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures : Proper grounding procedures to avoid static electricity should be followed. Ground/bond container and receiving equipment. Use explosion-proof electrical, lighting, ventilating equipment.
Storage conditions : Keep only in the original container in a cool, well ventilated place away from : Direct sunlight., Heat sources. Keep container tightly closed. Store in a dry place. Store away from foodstuffs. Protect from humidity and water.
Incompatible products : Keep away from strong acids, strong bases and oxidizing agents.

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Incompatible materials : Sources of ignition. Direct sunlight. Heat sources.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Herculiner Truck Bed Liner		
SUPPLIER	TWA (mg/m ³)	0.045 mg/m ³ Limits not to be exceeded at any time.
SUPPLIER	TWA (ppm)	0.005 ppm Limits not to be exceeded at any time.
SUPPLIER	Remark	Contains Isocyanate (as - NCO) which is an ingredient with limit values that require monitoring at the workplace

xylene, mixture of isomers (1330-20-7)		
USA ACGIH	ACGIH TWA (ppm)	100.00 ppm
USA ACGIH	ACGIH STEL (ppm)	150.00 ppm
USA ACGIH	Remark (ACGIH)	Upper Respiratory Tract & eye irritant; Central Nervous System impairment
USA OSHA	OSHA PEL (TWA) (mg/m ³)	435.00 mg/m ³
USA OSHA	OSHA PEL (TWA) (ppm)	100.00 ppm

8.2. Exposure controls

Personal protective equipment : Avoid all unnecessary exposure. Gloves. Safety glasses. High gas/vapor concentration: gas mask.



Hand protection : Wear protective gloves.

Eye protection : Chemical goggles or safety glasses.

Skin and body protection : Wear suitable protective clothing.

Respiratory protection : Combined Organic Vapor and Particulate Respirator is recommended for use during all processing activities.

Other information : Do not eat, drink or smoke during use.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state : Liquid

Appearance : Pigment.

Color : Black

Odor : Petroleum-like odor

Odor threshold : No data available

Relative evaporation rate (butylacetate=1) : No data available

Freezing point : No data available

Boiling point : 154 °C (309 °F)

Flash point : 27 °C (81 °F (TCC))

Auto-ignition temperature : 400 °C

Decomposition temperature : No data available

Flammability (solid, gas) : No data available

Vapor pressure : 8 - 9 mm Hg (at 25 °C / 77 °F)

Relative vapor density at 20 °C : 3 (at 68 °F)

Specific Gravity : 1.06 (.865 Xylene Only)

Density : 1.03 g/cm³

Solubility : Water: Forms solid gel

Log Pow : No data available

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Log Kow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidizing properties	: No data available
Explosive limits	: 1 - 7 vol %

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

Cures with exposure to water vapor.

10.2. Chemical stability

Stable.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

10.5. Incompatible materials

Strong acids. Strong bases. Oxidizing agent. water.

10.6. Hazardous decomposition products

Carbon monoxide. Carbon dioxide. May release flammable gases. fume. Isocyanates. Nitrogen oxides. Hydrogen cyanide (prussic acid).

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Harmful if inhaled.

xylene, mixture of isomers (1330-20-7)	
LD50 oral rat	3523 - 8600 mg/kg (3523 mg/kg bodyweight; >4000 mg/kg bodyweight; Rat; Rat; Rat; Experimental value; Experimental value)
LD50 dermal rabbit	> 4,200 mg/kg bodyweight (Rabbit; Experimental value; Rabbit; Experimental value)
LC50 inhalation rat (mg/l)	29 mg/l/4h (27.57 mg/l/4h; Rat; Rat; Experimental value; Experimental value, 27.57 mg/l/4h; Rat; Rat; Experimental value; Experimental value)
ATE US (oral)	3,523 mg/kg bodyweight
ATE US (dermal)	1,100 mg/kg bodyweight
ATE US (gases)	4,500 ppmv/4h
ATE US (vapors)	11 mg/l/4h
ATE US (dust,mist)	2 mg/l/4h

polymethylene polyphenyl isocyanate (9016-87-9)	
LD50 oral rat	> 10,000 mg/kg (Rat; Literature study)
LD50 dermal rabbit	> 5,000 mg/kg (Rabbit; Literature study)
ATE US (gases)	4,500 ppmv/4h
ATE US (vapors)	11 mg/l/4h
ATE US (dust,mist)	2 mg/l/4h

Skin corrosion/irritation	: Causes skin irritation.
Serious eye damage/irritation	: Not classified
Respiratory or skin sensitisation	: May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause an allergic skin reaction.
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Suspected of causing cancer.

xylene, mixture of isomers (1330-20-7)	
IARC group	3 - Not classifiable

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polymethylene polyphenyl isocyanate (9016-87-9)	
IARC group	3 - Not classifiable
Reproductive toxicity	: Not classified
Specific target organ toxicity (single exposure)	: Not classified
Specific target organ toxicity (repeated exposure)	: May cause damage to organs through prolonged or repeated exposure.
Aspiration hazard	: Not classified
Potential Adverse human health effects and symptoms	: Based on available data, the classification criteria are not met.
Symptoms/injuries after inhalation	: May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause an allergic skin reaction. May cause respiratory irritation. Danger of impaired breathing. Danger of pulmonary oedema.
Symptoms/injuries after skin contact	: Causes skin irritation.
Symptoms/injuries after eye contact	: Causes serious eye irritation.
Symptoms/injuries after ingestion	: Nausea. Gastrointestinal complaints. Dizziness.

SECTION 12: Ecological information

12.1. Toxicity

xylene, mixture of isomers (1330-20-7)	
LC50 fish 1	14 mg/l (96 h; Lepomis macrochirus; Lethal)
EC50 Daphnia 1	150 mg/l (24 h; Daphnia magna)
LC50 fish 2	4 mg/l 96 h; Salmo gairdneri (Oncorhynchus mykiss)
EC50 Daphnia 2	7 mg/l (48 h; Daphnia magna)
Threshold limit algae 1	72 mg/l (336 h; Selenastrum capricornutum; Growth)
Threshold limit algae 2	10 mg/l (72 h; Skeletonema costatum)
polymethylene polyphenyl isocyanate (9016-87-9)	
LC50 other aquatic organisms 1	> 1,000 mg/l (96 h)
Threshold limit other aquatic organisms 1	> 1,000 mg/l (96 h)

12.2. Persistence and degradability

xylene, mixture of isomers (1330-20-7)	
Persistence and degradability	Readily biodegradable in water. Biodegradable in the soil. Photolysis in the air.
polymethylene polyphenyl isocyanate (9016-87-9)	
Persistence and degradability	Not readily biodegradable in water. Hydrolysis in water. No (test)data on mobility of the substance available.

12.3. Bioaccumulative potential

xylene, mixture of isomers (1330-20-7)	
BCF fish 1	15 8 weeks; Salmo gairdneri (Oncorhynchus mykiss)
BCF fish 2	7 - 26 (8 weeks; Oncorhynchus mykiss)
Log Pow	3.2 (20 °C)
Bioaccumulative potential	Low potential for bioaccumulation (BCF < 500).
polymethylene polyphenyl isocyanate (9016-87-9)	
BCF fish 1	1 (Pisces)
Bioaccumulative potential	Not bioaccumulative.

12.4. Mobility in soil

xylene, mixture of isomers (1330-20-7)	
Ecology - soil	May be harmful to plant growth, blooming and fruit formation.

12.5. Other adverse effects

Effect on ozone layer	: No additional information available
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Effect on global warming : No known ecological damage caused by this product.

Other information : Avoid release to the environment.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations. Dispose of contents/container, in a safe manner, to an approved waste disposal site in accordance with local/regional/national regulations.

Additional information : Handle empty containers with care because residual vapors are flammable.

Ecology - waste materials : Avoid release to the environment.

SECTION 14: Transport information

In accordance with DOT

Not a dangerous good in sense of transport regulations

Other information : DOT Consumer Commodity Exemption (Part 172,150) Outer Packaging: "Consumer Commodity - ORM-D" and ISO orientation arrows. Pallets: If "Consumer Commodity" on outer packaging is visible labeling not required. Otherwise label as "Consumer Commodity." Container/Trailer: None required.

ADR

No additional information available

Transport by sea

Limited quantities (IMDG) : IMDG Exemption for Limited Quantities (IMDG 18.3, 3.26)
Outer Packaging: (No requirements)
Pallets: Dangerous Goods in Limited Quantities (Class 3 Flammable)
Container: "Limited Quantities"

Air transport

Instruction "passenger" - Limited quantities (ICAO) : IATA Limited Quantities Exemption (Part 2.8) For Shipping of product 10 Liters and Under in one Package: Packing Instruction Y309 (No UN Packaging Required). Labels Required: Paint, Flammable Liquid, 3, ISO orientation arrows, shipper and consignee information, and the statement "LTD. QTY". For Shipping of product over 10 Liters in one Package: Packing Instruction 309 or 310 dependent aircraft type (UN Packaging Required). Labels Required: Paint, Flammable Liquid, 3, ISO orientation arrows (cargo only aircraft label if applicable), shipper and consignee information.

SECTION 15: Regulatory information

15.1. US Federal regulations

Herculiner Truck Bed Liner	
EPA TSCA Regulatory Flag	9016-87-9 diphenylmethanediisocyanate, isomers and homologues CBD
SARA Section 302 Threshold Planning Quantity (TPQ)	No
SARA Section 311/312 Hazard Classes	Section 311 Yes, Section 312 Yes
SARA Section 313 - Emission Reporting	9016-87-9 diphenylmethanediisocyanate, isomers and homologues

15.2. International regulations

CANADA

WHMIS Classification



Class B Division 3 -
Combustible Liquid

Herculiner Truck Bed Liner	
WHMIS Classification	Class B Division 3 - Combustible Liquid

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EU-Regulations

No additional information available

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Classification according to Directive 67/548/EEC or 1999/45/EC

Not classified

15.2.2. National regulations

No additional information available

15.3. US State regulations

xylene, mixture of isomers (1330-20-7)

U.S. - Pennsylvania - RTK (Right to Know) List

U.S. - New Jersey - Right to Know Hazardous Substance List

U.S. - Massachusetts - Right To Know List

SECTION 16: Other information

Full text of H-phrases:

Acute Tox. 4 (Dermal)	Acute toxicity (dermal), Category 4
Acute Tox. 4 (Inhalation)	Acute toxicity (inhal.), Category 4
Acute Tox. 4 (Inhalation:dust,mist)	Acute toxicity (inhalation:dust,mist) Category 4
Carc. 2	Carcinogenicity, Category 2
Eye Irrit. 2A	Serious eye damage/eye irritation, Category 2A
Flam. Liq. 3	Flammable liquids, Category 3
Resp. Sens. 1	Sensitisation — Respiratory, category 1
Skin Irrit. 2	Skin corrosion/irritation, Category 2
Skin Sens. 1	Sensitisation — Skin, category 1
STOT RE 2	Specific target organ toxicity — Repeated exposure, Category 2
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation
H226	Flammable liquid and vapor
H312	Harmful in contact with skin
H315	Causes skin irritation
H317	May cause an allergic skin reaction
H319	Causes serious eye irritation
H332	Harmful if inhaled
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled
H335	May cause respiratory irritation
H351	Suspected of causing cancer
H373	May cause damage to organs through prolonged or repeated exposure

NFPA health hazard

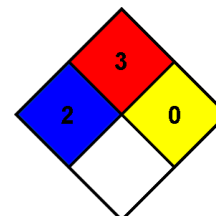
: 2 - Intense or continued exposure could cause temporary incapacitation or possible residual injury unless prompt medical attention is given.

NFPA fire hazard

: 3 - Liquids and solids that can be ignited under almost all ambient conditions.

NFPA reactivity

: 0 - Normally stable, even under fire exposure conditions, and are not reactive with water.



HMIS III Rating

Health

: 2 Moderate Hazard - Temporary or minor injury may occur

Flammability

: 3 Serious Hazard

Physical

: 0 Minimal Hazard

SDS GHS US (GHS HazCom 2012) OWI

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