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SECTION 1. IDENTIFICATION

Product name Company name	:	Laser Form [®] Sika Corporation
		201 Polito Avenue Lyndhurst, NJ 07071 USA www.sikausa.com
Telephone	:	(201) 933-8800
Telefax	:	(201) 804-1076
E-mail address	:	ehs@sika-corp.com
Emergency telephone	:	CHEMTREC: 800-424-9300 INTERNATIONAL: 703-527-3887
Recommended use of the chemical and restrictions on use	:	For further information, refer to product data sheet.

SECTION 2. HAZARDS IDENTIFICATION

GHS classification in accord Combustible dust	dan	ce with 29 CFR 1910.1200
GHS label elements Signal Word	:	Warning

Hazard Statements : May form combustible dust concentrations in air.

Additional Labeling

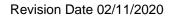
There are no ingredients with unknown acute toxicity used in a mixture at a concentration >= 1%.

Other hazards

No unusual conditions are expected from this product. Freshly expanded or heated foam may off-gas some pentane-blowing agent, which is heavier than air and may accumulate to ignitable concentrations if stored inside a sealed container or within confined areas. Ignitable atmospheres have concentrations that exceed inhalation exposure limits for workers, further reinforcing the need for ventilation when foam is freshly expanded.

May form combustible dust concentrations in the air when the product is cut, sanded, sawed, machined or ground.

INHALATION HEALTH HAZARDS: Dust may cause transient mechanical irritation of the upper respiratory tract. Workplace exposures to residual pentane vapors from this product are expected to be below levels of any health risk. Overexposure to high concentrations of pentane can cause narcotic effects. Signs and symptoms of overexposure to pentane include headache, nausea, dizziness, diffi-





culty walking, or sleepiness. Studies have shown that short-term (10-minute) exposures to pentane concentrations as high as 5,000 ppm (11,750 mg/m3) produced no symptoms. Workplace exposure limits for pentane and foam dust are listed in Section 8 of this SDS. There is no evidence that dusts generated from this product cause chronic disease in humans. The facer material is not expected to generate dust. No chronic effects are known for exposures to pentane vapor.

EYE CONTACT HEALTH HAZARDS: Mechanical irritation, redness, tearing, and blurred vision can occur if dusts generated from these products come into contact with eyes.

SKIN CONTACT HEALTH HAZARDS: Direct contact with rough-cut foam can cause mechanical abrasion cuts or puncture to fingers, hands or exposed skin

No unusual conditions are expected from this product. Freshly expanded or heated foam may off-gas some pentane-blowing agent, which is heavier than air and may accumulate to ignitable concentrations if stored inside a sealed container or within confined areas. Ignitable atmospheres have concentrations that exceed inhalation exposure limits for workers, further reinforcing the need for ventilation when foam is freshly expanded.

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SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Mixtures

Components

Chemical name	CAS-No.	Classification	Concentra- tion (% w/w)
pentane	109-66-0	Flam. Liq. 1; H224 STOT SE 3; H336 Asp. Tox. 1; H304	>= 1 - < 5

Actual concentration is withheld as a trade secret

SECTION 4. FIRST AID MEASURES

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General advice	:	No hazards which require special first aid measures.
If inhaled	:	Move to fresh air.
In case of skin contact	:	Take off contaminated clothing and shoes immediately. Wash off with soap and plenty of water.
In case of eye contact	:	Flush eyes with water as a precaution. Remove contact lenses.
		Keep eye wide open while rinsing.
If swallowed	:	Clean mouth with water and drink afterwards plenty of water. Do not induce vomiting without medical advice. Do not give milk or alcoholic beverages.
		Never give anything by mouth to an unconscious person.
Most important symptoms and effects, both acute and delayed	:	No known significant effects or hazards. No information available.
Notes to physician	:	Treat symptomatically.

SECTION 5. FIRE-FIGHTING MEASURES

Suitable extinguishing media	:	Use extinguishing measures that are appropriate to local cir- cumstances and the surrounding environment.
Further information		Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. The product is a solid article that will burn if exposed to an ignition source of sufficient heat and intensity, or open flame, such as a welder's torch. Under certain fire conditions, com- bustible gases can be generated, creating rapidly spreading, high-intensity flames and dense, black smoke. Burning of this product can produce irritating and potentially toxic fumes and gases, including carbon monoxide and carbon dioxide; other undetermined hydrocarbon fractions could be released in small quantities.
Special protective equipment for fire-fighters	:	In the event of fire, wear self-contained breathing apparatus.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Environmental precautions	:	Local authorities should be advised if significant spillages cannot be contained.
Methods and materials for containment and cleaning up	:	Keep in suitable, closed containers for disposal.

SECTION 7. HANDLING AND STORAGE

Advice on protection against fire and explosion	:	Normal measures for preventive fire protection.
Advice on safe handling	:	For personal protection see section 8. No special handling advice required. Follow standard hygiene measures when handling chemical





Conditions for safe storage	:	products. Keep container tightly closed in a dry and well-ventilated place.
Materials to avoid	:	Store in accordance with local regulations. No special restrictions on storage with other products.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Ingredients with workplace control parameters

• ·	•			
Components	CAS-No.	Value type (Form of	Control parame- ters / Permissible	Basis
		exposure)	concentration	
pentane	109-66-0	TWA	1,000 ppm 2,950 mg/m3	OSHA Z-1
		TWA	600 ppm 1,800 mg/m3	OSHA P0
		STEL	750 ppm 2,250 mg/m3	OSHA P0
		TWA	1,000 ppm	ACGIH

The above constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit. At this time, the other constituents have no known exposure limits.

Particles of nuisance dust

Form of exposure	Value type	Control parameters	Basis
total dust	TWA	15 mg/m3	OSHA Z-3
respirable fraction	TWA	5 mg/m3	OSHA Z-3

Engineering measures :	Use of adequate ventilation should be sufficient to control worker exposure to airborne contaminants. If the use of this product generates dust, fumes, gas, vapor or mist, use pro- cess enclosures, local exhaust ventilation or other engineer- ing controls to keep worker exposure below any recommend- ed or statutory limits.
Personal protective equipmen	t
Respiratory protection :	Use a properly fitted NIOSH approved air-purifying or air-fed respirator complying with an approved standard if a risk as- sessment indicates this is necessary.
Hand protection :	The filter class for the respirator must be suitable for the max- imum expected contaminant concentration (gas/vapor/aerosol/particulates) that may arise when han- dling the product. If this concentration is exceeded, self- contained breathing apparatus must be used. Chemical-resistant, impervious gloves complying with an
	approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is nec- essary.
Eye protection :	Safety eyewear complying with an approved standard should
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Skin and body protection	be used when a risk assessment indicates this is ne Choose body protection in relation to its type, to the tration and amount of dangerous substances, and to cific work-place.	concen-
Hygiene measures	Wash hands before breaks and immediately after ha the product. Remove contaminated clothing and protective equip before entering eating areas.	0
	Avoid breathing dust.	

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance Color Odor Odor Threshold	:	panel various slight, hydrocarbon-like No data available
рН	:	Not applicable
Melting point/range / Freezing point	:	No data available
Boiling point/boiling range	:	No data available
Flash point	:	700 °F / 371 °C
Evaporation rate	:	No data available
Flammability (solid, gas)	:	May form combustible dust concentrations in air.
		Combustible Solids
Autoignition temperature	:	750 °F
Upper explosion limit / Upper flammability limit	:	No data available
Lower explosion limit / Lower flammability limit	:	No data available
Vapor pressure	:	No data available
Relative vapor density	:	No data available
Density	:	1.05 - 1.18 g/cm3
Solubility(ies) Water solubility	:	slightly soluble
Solubility in other solvents	:	No data available
Partition coefficient: n- octanol/water	:	No data available
Autoignition temperature	:	No data available

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Decomposition temperature	: No data available
Viscosity Viscosity, dynamic	: No data available
Viscosity, kinematic	: Not applicable
Explosive properties	: No data available
Oxidizing properties	: No data available
Volatile organic compounds (VOC) content	: Not applicable

SECTION 10. STABILITY AND REACTIVITY

Reactivity	:	Stable. Service temperature range: -100 to 250°F. To prevent structural deterioration, avoid contact with acetone, methyl ethyl ketone, tetrahydrofuran, chlorine, chloroform, hydrogen peroxide, ethylene dichloride, dimethyl sulfoxide, and dimethyl formamide.
Chemical stability Possibility of hazardous reac- tions	:	The product is chemically stable. Stable under recommended storage conditions.
Conditions to avoid Incompatible materials Hazardous decomposition products	::	No data available No data available No decomposition if stored and applied as directed.

SECTION 11. TOXICOLOGICAL INFORMATION

Not classified based on available information.

Skin corrosion/irritation

Not classified based on available information.

Serious eye damage/eye irritation

Not classified based on available information.

Respiratory or skin sensitization

Skin sensitization

Not classified based on available information.

Respiratory sensitization

Not classified based on available information.

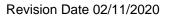
Germ cell mutagenicity

Not classified based on available information.

Carcinogenicity

Not classified based on available information. **IARC** Not applicable

OSHA Not applicable





NTP Not applicable

Reproductive toxicity

Not classified based on available information.

STOT-single exposure

Not classified based on available information.

STOT-repeated exposure

Not classified based on available information.

Aspiration toxicity

Not classified based on available information.

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

No data available

Persistence and degradability

No data available

Bioaccumulative potential

No data available

Mobility in soil

No data available

Other adverse effects

Product:

Additional ecological information

Do not empty into drains; dispose of this material and its container in a safe way.

SECTION 13. DISPOSAL CONSIDERATIONS

:

Disposal methods		
Waste from residues	Disposal of this product, solutions and any by-products sho at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements.	
Contaminated packaging	Empty containers should be taken to an approved waste had dling site for recycling or disposal.	an-

SECTION 14. TRANSPORT INFORMATION

International Regulations

IATA-DGR Not regulated as a dangerous good

IMDG-Code

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Not regulated as a dangerous good

Domestic regulation

49 CFR

Not regulated as a dangerous good

SECTION 15. REGULATORY INFORMATION

TSCA list

: All chemical substances in this product are either listed on the TSCA Inventory or are in compliance with a TSCA Inventory exemption.

EPCRA - Emergency Planning and Community Right-to-Know

CERCLA Reportable Quantity

This material does not contain any components with a CERCLA RQ.

SARA 304 Extremely Hazardous Substances Reportable Quantity

This material does not contain any components with a section 304 EHS RQ.

SARA 302 Extremely Hazardous Substances Threshold Planning Quantity

This material does not contain any components with a section 302 EHS TPQ.

SARA 311/312 Hazards	:	Combustible dust
SARA 313	:	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.

Clean Air Act

This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 112 (40 CFR 61).

California Prop 65

MARNING: Cancer – www.P65Warnings.ca.gov

SECTION 16. OTHER INFORMATION

Full text of other abbreviations				
ACGIH OSHA P0	:	USA. ACGIH Threshold Limit Values (TLV) USA. OSHA - TABLE Z-1 Limits for Air Contaminants - 1910.1000		
OSHA Z-1	:	USA. Occupational Exposure Limits (OSHA) - Table Z-1 Lim- its for Air Contaminants		
OSHA Z-3	:	USA. Occupational Exposure Limits (OSHA) - Table Z-3 Min- eral Dusts		
ACGIH / TWA		8-hour, time-weighted average		
OSHA P0 / TWA	:	8-hour time weighted average		
OSHA P0 / STEL	:	Short-term exposure limit		
OSHA Z-1 / TWA		8-hour time weighted average		
OSHA Z-3 / TWA	:	8-hour time weighted average		

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Notes to Reader

The information contained in this Safety Data Sheet applies only to the actual Sika Corporation ("Sika") product identified and described herein. This information is not intended to address, nor does it address the use or application of the identified Sika product in combination with any other material, product or process. All of the information set forth herein is based on technical data regarding the identified product that Sika believes to be reliable as of the date hereof. Prior to each use of any Sika product, the user must always read and follow the warnings and instructions on the product's current Product Data Sheet, product label and Safety Data Sheet for each Sika product, which are available at web site and/or telephone number listed in Section 1 of this SDS.

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