



SECTION I: PRODUCT INFORMATION

PRODUCT: **Sika® Loadflex® Polyurea Part A** REVISION DATE: November 3rd, 2016

USAGE: JOINT FILLER

MANUFACTURER/SUPPLIER: SIKA CANADA INC.
601, avenue Delmar
Pointe Claire, QC
H9R 4A9

EMERGENCY TELEPHONE NUMBER: CANUTEC (collect) (613) 996-6666

For Road and Train

TDG CLASSIFICATION: Not regulated WHMIS Classification: D1A, D2A, D2B
UN NUMBER: Not applicable Class: Not applicable
Packaging Group: Not applicable

For IATA and IMDG

Proper shipping name: Environmentally hazardous substance, liquid, n.o.s. (Chlorinates paraffins (C14-17))

UN NUMBER: 3082 Class: 9
Packaging Group: III

SECTION II: HAZARDOUS INGREDIENTS

Hazardous ingredients	%	T.L.V.	# CAS	LD ₅₀ (species, route)	LC ₅₀ (species, route)
POLYMERIC DIPHENYLMETHAN E DIISOCYANATE	60-100	NOT AVAILABLE	9016-87-9	> 5000 (oral, rat)	NOT AVAILABLE

SECTION III: PHYSICAL CHARACTERISTICS

Physical State:	Liquid	Boiling Point:	> 300°C
Appearance and Odor:	Brown, mild	Freezing Point:	Not available
Odor Threshold:	Not available	Density:	1.1 g/ml
Evaporation Rate:	Not available	Water Solubility:	Slight
Vapor Density:	8.50	pH:	Not available
Vapor Pressure:	Not available	% volatility by volume:	Not available
		Water/Oil Distribution:	Not available



PRODUCT: Sika® Loadflex® Polyurea Part A

SECTION IV: FIRE AND EXPLOSION HAZARDS

Flammability:	No	TDG Flammability Class:	Not applicable
If Yes, under what conditions:		Flammable upper limits (% vol.):	Not applicable
		Flammable lower limits (% vol.):	Not applicable
		Flash Point (setaflash closed cup):	> 300°C
Extinguishing methods:	Water fog, CO ₂ , dry chemical, foam	Auto-ignition temperature:	Not applicable
		Dangerous Combustion Products	Carbon oxides, nitrogen oxides
Special Methods:	Fire-fighters must wear complete protective clothing with respiratory equipment	Protect from mechanical impact:	No
		Protect from static discharge:	No

SECTION V: REACTIVITY DATA

Chemical stability:	Stable	Dangerous decomposition products:	Carbon oxides, nitrogen oxides
If not, under what conditions:			
Incompatibility with other material:	Yes	Polymerization Risks:	May occur
If Yes, which ones:	Water, moisture		



PRODUCT: Sika® Loadflex® Polyurea Part A

SECTION VI: TOXICOLOGICAL PROPERTIES

ROUTE OF ENTRY / CONTACT

Eyes: Will result in eye irritation

Skin: May cause skin irritation, may cause sensitization

Inhalation: High vapor concentration may produce nausea, vomiting, headaches, dizziness, unconsciousness and asphyxia resulting in central nervous system effects, may be a respiratory sensitizer

Ingestion: May cause abdominal pain, vomiting and diarrhea

Over exposure may cause breathing difficulties, sensitization, headaches, nausea, vomiting.

May aggravate respiratory, skin, eye, lung problems and allergies.

If the product is applied according to the manufacturer, none of these symptoms should be encountered.

A person who is sensitized to isocyanate may have a reaction with a level of isocyanate well below the T.L.V.

Carcinogenicity: Not Established

Toxic effects on reproduction: Not Established

Teratogenicity: Not Established

Mutagenicity: Not Established

Product with synergistic effects: Not Established

An acute or chronic exposure will increase the toxic effects mentioned in this section and may aggravate respiratory problems.



PRODUCT: Sika® Loadflex® Polyurea Part A

SECTION VII: PREVENTIVE MEASURES

PERSONAL PROTECTIVE EQUIPMENT

Gloves: Impervious gloves

Respiratory equipment: Use a NIOSH /MSHA approved air purifying organic vapor mask if TLV are exceeded

Eyes: Chemical goggles and full face shield

Shoes: Security shoes

Clothing: Long sleeved, body covering and protective clothing

Other: No

OTHERS

Ventilation: Use adequate ventilation

Procedure in case of leaks: Remove all sources of ignition (flames, sparks, etc.). Provide adequate ventilation. Avoid prolonged breathing of vapors. Remove to a container or absorb with clay, diatomaceous earth or other suitable inert absorbent.

Handling and Equipment Methods: Avoid inhalation, skin and eye contact. Wash repeatedly with soap and water during the workday.

Warehouse Requirements: Keep all containers closed in a cool, dry and well ventilated area.

Special Shipping Instructions: See TDG class.

Waste Disposal: Dispose of residues according to municipal, provincial or federal laws for disposal of chemicals. Do not incinerate closed containers.



PRODUCT: Sika® Loadflex® Polyurea Part A

SECTION VIII: FIRST AID

Skin: Wash thoroughly with soap and water. If irritation persists, consult a physician

Eyes: Rinse eyes immediately with plenty of water for at least 15 minutes to ensure a proper wash. Consult a physician immediately.

Inhalation: In the case of overexposure, evacuate to fresh air. Consult a physician if required.

Ingestion: Drink plenty of water. Do not induce vomiting. Do not give anything by mouth to an unconscious person. See a physician immediately.

SECTION IX: PREPARATION INFORMATION

Prepared By: R & D of Sika Canada Inc.
 Telephone #: (514) 697-2610
 Fax #: (514) 694-2792

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SECTION I: PRODUCT INFORMATION

PRODUCT: **Sika® Loadflex® Polyurea Part B** REVISION DATE: April 18th, 2016

USAGE: JOINT FILLER

MANUFACTURER/SUPPLIER: SIKA CANADA INC.
601, avenue Delmar
Pointe Claire, QC
H9R 4A9

EMERGENCY TELEPHONE NUMBER: CANUTEC (collect) (613) 996-6666

TDG CLASSIFICATION: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (dibutyle phtalate & diethylmethybenzenediamine)

UN NUMBER: 3082 Class: 9
Packaging Group: III WHMIS Classification: D2A, E

SECTION II: HAZARDOUS INGREDIENTS

Hazardous ingredients	%	T.L.V.	# CAS	LD ₅₀ (mg/kg) (species, route)	LC ₅₀ (species, route)
AMINE BLEND	10-30	Not available	Confidential	Not available	Not available
AMORPHOUS SILICA	1-5	Not Available	7631-86-9	485 mg/kg (oral, rat)	Not Available

SECTION III: PHYSICAL CHARACTERISTICS

Physical State:	Liquid	Boiling Point:	Not established
Appearance and Odor:	Milky color with amine odor	Freezing Point:	Not established
Odor Threshold:	Not established	Density:	1.1 g/ml
Evaporation Rate:	Not applicable	Water Solubility:	Partial
Vapor Density:	Not applicable	pH:	Not established
Vapor Pressure:	Not applicable	% volatility:	0
		Water/Oil Distribution:	Not established



PRODUCT: Sika® Loadflex® Polyurea Part B

SECTION IV: FIRE AND EXPLOSION HAZARDS

Flammability: If Yes, under what conditions:	No	TDG Flammability Class: Flammable upper limits (% vol.): Flammable lower limits (% vol.): Flash Point (method used): Auto-ignition temperature: Dangerous Combustion Products:	None Not established Not established > 100°C (tcc) Not established Carbon oxides, nitrogen oxides
Extinguishing methods:	Foam, dry chemical products, CO ₂ , water hose.	Protect from mechanical impact: Protect from static discharge:	No No
Special Methods:	Fire fighters must wear usual protective clothing and respiratory equipment. A water hose may be used to cool the containers and dissipate the vapors.		

SECTION V: REACTIVITY DATA

Chemical stability: If not, under what conditions	Yes	Dangerous decomposition products:	Carbon oxides, nitrogen oxides
Incompatibility with other material: If Yes, which ones	Yes Acid, strong oxidizer, organic halogen, aldehyde, ketone, acrylate	Polymerization Risks:	No



PRODUCT: Sika® Loadflex® Polyurea Part B

SECTION VI: TOXIC PROPERTIES

ROUTE OF ENTRY / CONTACT

Eyes: May cause eye irritations. May cause severe burns. May cause blindness.

Carcinogenicity: Not Established

Skin: May be irritating to the skin, may cause severe burns, can be absorbed by skin. Contact may cause necrosis, dermatitis, allergic reactions, and sensitization.

Toxic effects on reproduction: Not Established

Teratogenicity: Not Established

Inhalation: Vapors or bruin of this product may cause irritation.

Mutagenicity: Not Established

Ingestion: May cause severe burns to the mouth, throat and stomach. May cause nausea, vomiting, dizziness, diarrhea, damages to the lungs and death.

Product with synergistic effects: Not Established

An over-exposure may cause breathing difficulty, headaches, nausea, vomiting, and damages to the lungs, sensitization and dizziness.

May cause problems to the skin, eyes, and lungs.

May aggravate allergic and respiratory problems.

An acute or chronic exposure will increase the toxic effects mentioned in this section and may aggravate respiratory problems.



PRODUCT: Sika® Loadflex® Polyurea Part B

SECTION VII: PREVENTIVE MEASURES

PERSONAL PROTECTIVE EQUIPMENT

Gloves: Chemical resistant gloves.

Respiratory equipment: Not necessary under normal use.

Eyes Full face mask or safety glasses

Shoes: Leather

Clothing: Rubber apron

Other: Eye wash station, shower

OTHERS

Ventilation: Sufficient ventilation required

Procedure in case of leaks: Absorb with sand or other absorbent material.

Handling and Equipment Methods: Avoid skin, eye and clothing contact.

Warehouse Requirements: Keep all containers closed in a cool, dry and well ventilated area. Keep away from heat and open flame.

Special Shipping Instructions: See TDG class.

Waste Disposal: Dispose of sand and rinse water according to municipal, provincial or federal laws for disposal of chemicals.



PRODUCT: Sika® Loadflex® Polyurea Part B

SECTION VIII: FIRST AID

Skin: Remove contaminated clothing and shoes.
Wash immediately with plenty of soap and water.
Wash clothing before re-wearing.

Eyes: Rinse eyes immediately with plenty of water, while holding eyelids wide open, to ensure a proper wash.
The eye rinse within the first minute is essential to ensure maximum protection.
Consult a physician immediately.

Inhalation: In the case of overexposure, evacuate to fresh air.
Consult a physician if required.

Ingestion: Drink plenty of water. Do not induce vomiting.
Do not give anything by mouth to an unconscious person.
See a physician immediately.

SECTION IX: PREPARATION INFORMATION

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