

## Safety Data Sheet

acc. to OSHA HCS

Printing date 01/06/2020

Reviewed on 01/06/2020

### 1 Identification

- **Product identifier**
- **Trade name:** F100 LPL Polyol
- **Article number:** I022753
- **Application of the substance / the mixture** Polyurethane resin
- **Details of the supplier of the safety data sheet**  
Sika Advanced Resins, US  
EHS Department
- **Manufacturer/Supplier:**  
Supplier's Name: Sika Advanced Resins, US  
Headquarters:  
30800 Stephenson Hwy  
Madison Heights, MI 48071  
USA  
  
advancedresins.ehs@us.sika.com
- **Information department:** Product safety department
- **Emergency telephone number:**  
During normal opening times: +1 (248) 588-2270  
CHEMTREC 24-hour Emergency: +1 (800) 424-9300

### 2 Hazard(s) identification

- **Classification of the substance or mixture**



GHS08 Health hazard

Carc. 2                      H351 Suspected of causing cancer.  
 Asp. Tox. 1                H304 May be fatal if swallowed and enters airways.



GHS07

Skin Irrit. 2                H315 Causes skin irritation.  
 Eye Irrit. 2B              H320 Causes eye irritation.  
 Aquatic Acute 2          H401 Toxic to aquatic life.  
 Aquatic Chronic 3       H412 Harmful to aquatic life with long lasting effects.

- **Label elements**
- **GHS label elements** The product is classified and labeled according to the Globally Harmonized System (GHS).

(Contd. on page 2)

## Safety Data Sheet

acc. to OSHA HCS

Printing date 01/06/2020

Reviewed on 01/06/2020

Trade name: **F100 LPL Polyol**

(Contd. of page 1)

· **Hazard pictograms**

GHS07 GHS08

· **Signal word** *Danger*· **Hazard-determining components of labeling:**

Diisopropyl naphthalene  
Solvent naphtha (petroleum), heavy arom.  
ethylbenzene  
Solvent naphtha (petroleum), light arom.

· **Hazard statements**

Causes skin and eye irritation.  
Suspected of causing cancer.  
May be fatal if swallowed and enters airways.  
Toxic to aquatic life.  
Harmful to aquatic life with long lasting effects.

· **Precautionary statements**

Avoid breathing dust/fume/gas/mist/vapors/spray  
Avoid release to the environment.  
Wear protective gloves/protective clothing/eye protection/face protection.  
If swallowed: Immediately call a poison center/doctor.  
Specific treatment (see on this label).  
Do NOT induce vomiting.  
If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
If exposed or concerned: Get medical advice/attention.  
Take off contaminated clothing and wash it before reuse.  
Store locked up.  
Dispose of contents/container in accordance with local/regional/national/international regulations.

· **Classification system:**· **NFPA ratings (scale 0 - 4)**

Health = 1  
Fire = 1  
Reactivity = 0

· **HMIS-ratings (scale 0 - 4)**

Health = 1  
Fire = 1  
Reactivity = 0

(Contd. on page 3)

## Safety Data Sheet

acc. to OSHA HCS

Printing date 01/06/2020

Reviewed on 01/06/2020

Trade name: **F100 LPL Polyol**

(Contd. of page 2)

- **Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

### 3 Composition/information on ingredients

- **Chemical characterization:** Mixtures
- **Description:** Mixture of the substances listed below with nonhazardous additions.

· **Dangerous components:**

CAS: 38640-62-9	Diisopropyl naphthalene	5-10%
CAS: 64742-94-5 EINECS: 265-198-5	Solvent naphtha (petroleum), heavy arom.	1-5%
CAS: 25214-63-5	Alkoxylated amine	1-5%
CAS: 91-20-3 EINECS: 202-049-5	naphthalene	≥0.25-<1%

### 4 First-aid measures

- **Description of first aid measures**
- **General information:** Immediately remove any clothing soiled by the product.
- **After inhalation:** In case of unconsciousness place patient stably in side position for transportation.
- **After skin contact:** Immediately wash with water and soap and rinse thoroughly.
- **After eye contact:**  
Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- **After swallowing:** If symptoms persist consult doctor.
- **Information for doctor:**
- **Most important symptoms and effects, both acute and delayed** No further relevant information available.
- **Indication of any immediate medical attention and special treatment needed**  
No further relevant information available.

### 5 Fire-fighting measures

- **Extinguishing media**
- **Suitable extinguishing agents:**  
CO<sub>2</sub>, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **Special hazards arising from the substance or mixture** No further relevant information available.
- **Advice for firefighters**
- **Protective equipment:** Wear self-contained respiratory protective device.

(Contd. on page 4)

## Safety Data Sheet

acc. to OSHA HCS

Printing date 01/06/2020

Reviewed on 01/06/2020

Trade name: **F100 LPL Polyol**

(Contd. of page 3)

· **Additional information**

Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

### 6 Accidental release measures

· **Personal precautions, protective equipment and emergency procedures** Not required.

· **Environmental precautions:**

Do not allow product to reach sewage system or any water course.

Inform respective authorities in case of seepage into water course or sewage system.

Do not allow to enter sewers/ surface or ground water.

· **Methods and material for containment and cleaning up:**

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Dispose contaminated material as waste according to item 13.

· **Reference to other sections**

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

· **Protective Action Criteria for Chemicals**

· **PAC-1:**

38640-62-9	Diisopropyl naphthalene	5.6 mg/m <sup>3</sup>
91-20-3	naphthalene	15 ppm

· **PAC-2:**

38640-62-9	Diisopropyl naphthalene	61 mg/m <sup>3</sup>
91-20-3	naphthalene	83 ppm

· **PAC-3:**

38640-62-9	Diisopropyl naphthalene	370 mg/m <sup>3</sup>
91-20-3	naphthalene	500 ppm

### 7 Handling and storage

· **Handling:**

· **Precautions for safe handling** Open and handle receptacle with care.

· **Information about protection against explosions and fires:** Keep respiratory protective device available.

· **Conditions for safe storage, including any incompatibilities**

· **Storage:**

· **Requirements to be met by storerooms and receptacles:** No special requirements.

· **Information about storage in one common storage facility:** Not required.

· **Further information about storage conditions:** Keep receptacle tightly sealed.

· **Specific end use(s)** No further relevant information available.

US

(Contd. on page 5)

## Safety Data Sheet

acc. to OSHA HCS

Printing date 01/06/2020

Reviewed on 01/06/2020

Trade name: F100 LPL Polyol

(Contd. of page 4)

### 8 Exposure controls/personal protection

· **Additional information about design of technical systems:** No further data; see item 7.

· **Control parameters**

· **Components with limit values that require monitoring at the workplace:**

The following constituent is the only constituent of the product which has a PEL, TLV or other recommended exposure limit.

At this time, the other constituents have no known exposure limits.

#### 91-20-3 naphthalene

PEL Long-term value: 50 mg/m<sup>3</sup>, 10 ppm

REL Short-term value: 75 mg/m<sup>3</sup>, 15 ppm

Long-term value: 50 mg/m<sup>3</sup>, 10 ppm

TLV Long-term value: 52 mg/m<sup>3</sup>, 10 ppm

Skin; BEI

· **Additional information:** The lists that were valid during the creation were used as basis.

· **Exposure controls**

· **Personal protective equipment:**

· **General protective and hygienic measures:**

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing.

Wash hands before breaks and at the end of work.

Store protective clothing separately.

Avoid contact with the eyes and skin.

· **Breathing equipment:** Not required.

· **Protection of hands:**



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

· **Material of gloves**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

· **Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

(Contd. on page 6)

## Safety Data Sheet

acc. to OSHA HCS

Printing date 01/06/2020

Reviewed on 01/06/2020

Trade name: F100 LPL Polyol

## · Eye protection:

(Contd. of page 5)



Tightly sealed goggles

### 9 Physical and chemical properties

## · Information on basic physical and chemical properties

## · General Information

## · Appearance:

Form:	Liquid
Color:	Dark grey
Odor:	Nearly odorless
Odor threshold:	Not determined.

· pH-value: Not determined.

## · Change in condition

Melting point/Melting range:	Undetermined.
Boiling point/Boiling range:	290 °C (554 °F)

· Flash point: &gt;94 °C (&gt;201.2 °F)

· Flammability (solid, gaseous): Not applicable.

· Decomposition temperature: Not determined.

· Auto igniting: Product is not selfigniting.

· Danger of explosion: Product does not present an explosion hazard.

## · Explosion limits:

Lower:	Not determined.
Upper:	Not determined.

· Vapor pressure: Not determined.

· Density at 20 °C (68 °F): 1.6 g/cm<sup>3</sup> (13.35 lbs/gal)

· Relative density: Not determined.

· Vapor density: Not determined.

· Evaporation rate: Not determined.

## · Solubility in / Miscibility with

Water: Not miscible or difficult to mix.

· Partition coefficient (n-octanol/water): Not determined.

## · Viscosity:

Dynamic: Not determined.

(Contd. on page 7)

## Safety Data Sheet

acc. to OSHA HCS

Printing date 01/06/2020

Reviewed on 01/06/2020

Trade name: F100 LPL Polyol

(Contd. of page 6)

<b>Kinematic:</b>	Not determined.
· <b>Solvent content:</b>	
<b>Organic solvents:</b>	0.5 %
<b>VOC content:</b>	0.45 %
	7.2 g/l / 0.06 lb/gal
· <b>Solids content:</b>	64.4 %
· <b>Other information</b>	No further relevant information available.

### 10 Stability and reactivity

- **Reactivity** No further relevant information available.
- **Chemical stability**
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Possibility of hazardous reactions** No dangerous reactions known.
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** Carbon monoxide and carbon dioxide

### 11 Toxicological information

- **Information on toxicological effects**
- **Acute toxicity:**

· <b>LD/LC50 values that are relevant for classification:</b>		
<b>38640-62-9 Diisopropyl naphthalene</b>		
Oral	LD50	>4,000 mg/kg (mouse)
Dermal	LD50	>4,000 mg/kg (rat)
Inhalative	LC50/6 h (dynamic)	>5.6 mg/l (rat) (Test Guideline 402)
<b>91-20-3 naphthalene</b>		
Oral	LD50	490 mg/kg (rat)
Dermal	LD50	5,000 mg/kg (rat)

- **Primary irritant effect:**
- **on the skin:** Irritant to skin and mucous membranes.
- **on the eye:** Irritating effect.
- **Sensitization:** No sensitizing effects known.
- **Additional toxicological information:**  
The product shows the following dangers according to internally approved calculation methods for preparations:  
Irritant

(Contd. on page 8)

## Safety Data Sheet

acc. to OSHA HCS

Printing date 01/06/2020

Reviewed on 01/06/2020

Trade name: F100 LPL Polyol

(Contd. of page 7)

· **Carcinogenic categories**· **IARC (International Agency for Research on Cancer)**

	Zeolite (Crystalline aluminosilicate)	3
91-20-3	naphthalene	2B
1330-20-7	xylene	3

· **NTP (National Toxicology Program)**

91-20-3	naphthalene	R
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· **OSHA-Ca (Occupational Safety & Health Administration)**

71-43-2	benzene	
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### 12 Ecological information

· **Toxicity**· **Aquatic toxicity:**

<b>38640-62-9 Diisopropyl naphthalene</b>		
48 hr EC50	0.16 mg/l (daphnia)	
96 hr LC50	0.5 mg/l (Fish)	
72 or 96 hr ErC50	0.15 mg/l (Algae)	

· **Persistence and degradability** No further relevant information available.· **Behavior in environmental systems:**· **Bioaccumulative potential** No further relevant information available.· **Mobility in soil** No further relevant information available.· **Ecotoxicological effects:**· **Remark:** Harmful to fish· **Additional ecological information:**· **General notes:**

Water hazard class 2 (Self-assessment): hazardous for water

Do not allow product to reach ground water, water course or sewage system.

Danger to drinking water if even small quantities leak into the ground.

Harmful to aquatic organisms

· **Results of PBT and vPvB assessment**· **PBT:** Not applicable.· **vPvB:** Not applicable.· **Other adverse effects** No further relevant information available.

### 13 Disposal considerations

· **Waste treatment methods**· **Recommendation:**

Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

(Contd. on page 9)



## Safety Data Sheet

acc. to OSHA HCS

Printing date 01/06/2020



Reviewed on 01/06/2020

Trade name: F100 LPL Polyol

(Contd. of page 8)

- **Uncleaned packagings:**
- **Recommendation:** Disposal must be made according to official regulations.

### 14 Transport information

· <b>UN-Number</b>	
· <b>DOT</b>	not regulated
· <b>IMDG, IATA</b>	UN3082
· <b>UN proper shipping name</b>	
· <b>DOT</b>	not regulated
· <b>IMDG</b>	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Diisopropyl naphthalene), MARINE POLLUTANT
· <b>IATA</b>	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Diisopropyl naphthalene)
· <b>Transport hazard class(es)</b>	
· <b>DOT</b>	
· <b>Class</b>	not regulated
· <b>IMDG, IATA</b>	
 	
· <b>Class</b>	9 Miscellaneous dangerous substances and articles
· <b>Label</b>	9
· <b>Packing group</b>	
· <b>DOT</b>	not regulated
· <b>IMDG, IATA</b>	III
· <b>Environmental hazards:</b>	
· <b>Marine pollutant:</b>	Yes
· <b>Special marking (IATA):</b>	Symbol (fish and tree)
· <b>Special precautions for user</b>	Warning: Miscellaneous dangerous substances and articles
· <b>EMS Number:</b>	F-A,S-F
· <b>Stowage Category</b>	A
· <b>Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code</b>	Not applicable.

(Contd. on page 10)

## Safety Data Sheet

acc. to OSHA HCS

Printing date 01/06/2020

Reviewed on 01/06/2020

Trade name: F100 LPL Polyol

(Contd. of page 9)

· **Transport/Additional information:**

· **IMDG**

· **Limited quantities (LQ)**

5L

· **Excepted quantities (EQ)**

Code: E1

Maximum net quantity per inner packaging: 30 ml

Maximum net quantity per outer packaging: 1000 ml

· **UN "Model Regulation":**

UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE,  
LIQUID, N.O.S. (DIISOPROPYL NAPHTHALENE), 9, III

### 15 Regulatory information

· **Safety, health and environmental regulations/legislation specific for the substance or mixture**

· **Sara**

· **Section 355 (extremely hazardous substances):**

None of the ingredients is listed.

· **Section 313 (Specific toxic chemical listings):**

91-20-3 naphthalene

1330-20-7 xylene

· **TSCA (Toxic Substances Control Act):**

1317-65-3 Calcium Carbonate

ACTIVE

35176-07-9 Polyether Polyol

ACTIVE

65997-17-3 Fibrous Glass

ACTIVE

38640-62-9 Diisopropyl naphthalene

ACTIVE

64742-94-5 Solvent naphtha (petroleum), heavy arom.

ACTIVE

25214-63-5 Alkoxylated amine

ACTIVE

Zeolite (Crystalline aluminosilicate)

ACTIVE

91-20-3 naphthalene

ACTIVE

Polymethylalkylsiloxane

ACTIVE

1330-20-7 xylene

ACTIVE

28553-12-0 diisononyl phthalate

ACTIVE

· **Chemicals regulated by TSCA Section 12(b)**

None of the ingredients is listed.

· **Chemical regulated by TSCA 5(a)(2) rule:**

None of the ingredients is listed.

· **Hazardous Air Pollutants**

91-20-3 naphthalene

(Contd. on page 11)

# Safety Data Sheet

acc. to OSHA HCS

Printing date 01/06/2020

Reviewed on 01/06/2020

Trade name: F100 LPL Polyol

(Contd. of page 10)

1330-20-7	xylene
100-41-4	ethylbenzene

· **Proposition 65**· **Chemicals known to cause cancer:**

1317-65-3	Calcium Carbonate
91-20-3	naphthalene
28553-12-0	diisononyl phthalate
100-41-4	ethylbenzene
14808-60-7	Quartz (SiO <sub>2</sub> )
1333-86-4	Carbon black
98-82-8	cumene
71-43-2	benzene

· **Chemicals known to cause reproductive toxicity for females:**

None of the ingredients is listed.

· **Chemicals known to cause reproductive toxicity for males:**

71-43-2	benzene
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· **Chemicals known to cause developmental toxicity:**

71-43-2	benzene
108-88-3	toluene

· **Carcinogenic categories**· **EPA (Environmental Protection Agency)**

91-20-3	naphthalene	C, CBD
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· **TLV (Threshold Limit Value established by ACGIH)**

91-20-3	naphthalene	A4
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· **NIOSH-Ca (National Institute for Occupational Safety and Health)**

None of the ingredients is listed.

· **Listed in CWC Regulations**

None of the ingredients is listed.

· **GHS label elements** The product is classified and labeled according to the Globally Harmonized System (GHS).· **Hazard pictograms**

GHS07 GHS08

· **Signal word** Danger

(Contd. on page 12)

US

## Safety Data Sheet

acc. to OSHA HCS

Printing date 01/06/2020

Reviewed on 01/06/2020

**Trade name: F100 LPL Polyol**

(Contd. of page 11)

**· Hazard-determining components of labeling:**

Diisopropyl naphthalene  
Solvent naphtha (petroleum), heavy arom.  
ethylbenzene  
Solvent naphtha (petroleum), light arom.

**· Hazard statements**

Causes skin and eye irritation.  
Suspected of causing cancer.  
May be fatal if swallowed and enters airways.  
Toxic to aquatic life.  
Harmful to aquatic life with long lasting effects.

**· Precautionary statements**

Avoid release to the environment.  
Wear protective gloves/protective clothing/eye protection/face protection.  
If swallowed: Immediately call a poison center/doctor.  
Specific treatment (see on this label).  
Do NOT induce vomiting.  
If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.  
Continue rinsing.  
If exposed or concerned: Get medical advice/attention.  
Take off contaminated clothing and wash it before reuse.  
Store locked up.  
Dispose of contents/container in accordance with local/regional/national/international regulations.

**· Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

## 16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

**· Date of preparation / last revision** 01/06/2020 / 7

**· Abbreviations and acronyms:**

IMDG: International Maritime Code for Dangerous Goods  
DOT: US Department of Transportation  
IATA: International Air Transport Association  
ACGIH: American Conference of Governmental Industrial Hygienists  
EINECS: European Inventory of Existing Commercial Chemical Substances  
ELINCS: European List of Notified Chemical Substances  
CAS: Chemical Abstracts Service (division of the American Chemical Society)  
NFPA: National Fire Protection Association (USA)  
HMIS: Hazardous Materials Identification System (USA)  
VOC: Volatile Organic Compounds (USA, EU)  
LC50: Lethal concentration, 50 percent  
LD50: Lethal dose, 50 percent  
PBT: Persistent, Bioaccumulative and Toxic  
vPvB: very Persistent and very Bioaccumulative  
NIOSH: National Institute for Occupational Safety  
OSHA: Occupational Safety & Health  
TLV: Threshold Limit Value

(Contd. on page 13)

**Safety Data Sheet**  
**acc. to OSHA HCS**

Printing date 01/06/2020

Reviewed on 01/06/2020

**Trade name: F100 LPL Polyol**

(Contd. of page 12)

*PEL: Permissible Exposure Limit*

*REL: Recommended Exposure Limit*

*Skin Irrit. 2: Skin corrosion/irritation – Category 2*

*Eye Irrit. 2B: Serious eye damage/eye irritation – Category 2B*

*Carc. 2: Carcinogenicity – Category 2*

*Asp. Tox. 1: Aspiration hazard – Category 1*

*Aquatic Acute 2: Hazardous to the aquatic environment - acute aquatic hazard – Category 2*

*Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3*

**\* Data compared to the previous version altered.**

US