



Material SAFETY DATA SHEET

Flexseal SL445

1: PRODUCT AND COMPANY IDENTIFICATION

Product Name: **Flexseal SL445**

Description: One component elastomeric self-levelling polyurethane sealant

Manufacturer: **Ayla for Building Materials Industry & Trade**
Al-Karadeh, Arsat Al-Hindia, Baghdad
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2: COMPOSITION / INFORMATION ON INGREDIENTS

Composition: Polyurethane prepolymer based on diphenylmethanediisocyanate, non-reactive fillers.

Hazardous Ingredient(s)	Symbol	Risk Phrases	CAS no.	%
Polyvinyl chloride	-	-	9002-86-2	20 - 50
Diisodecyl phthalate	-	-	26761-40-0	10 - 20
Distillates (petroleum), light	Xn	R65, 66	64742-47-8	5 - 10
Calcium oxide	Xn	R38, 41	1305-78-8	< 2
Diphenylmethane-4,4'-diisocyanate	Xn	R20, 40, 42/43, 48	101-68-8	< 1

Refer to Section 8 for Occupational Exposure Limits.

3: HAZARDS IDENTIFICATION

Hazard Information: May cause sensitisation by inhalation.

Classification: Xn, R42.

4: FIRST AID MEASURES

Eyes: Rinse opened eye for several minutes under running water. Then consult a doctor.

Skin: Immediately wash with water and soap and rinse thoroughly.

Inhalation: Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist. In case of unconsciousness, place patient stably in side position for transportation.

Ingestion: Wash out mouth with water. Don't induce vomiting. Obtain medical attention.



5: FIRE FIGHTING MEASURES

Flash Point:	> 70°C.
Special Exposure Hazards:	In case of fire, the following can be released: Carbon monoxide (CO), Nitrogen oxides (NOx) In certain fire conditions, traces of other toxic gases cannot be excluded, e.g.: Hydrogen cyanide (HCN), Isocyanates.
Extinguishing Media:	Carbon dioxide, foam, fire-extinguishing powder, never use water with full Jet.
Personal Protective Equipment:	Wear self-contained respiratory protective device.

6: ACCIDENTAL RELEASE MEASURES

Personal Precautions:	Ensure adequate ventilation. Keep away from ignition sources.
Environmental Precautions:	Do not allow product to reach sewage system or any water course.
Decontamination Procedures:	Pick up mechanically. Send for recovery or disposal in suitable receptacles. Do not close them (reaction with water forming carbon dioxide).

7: HANDLING AND STORAGE

Handling:	Open and handle receptacle with care. Ensure good ventilation/exhaustion at the workplace. Keep ignition sources away - Do not smoke.
Storage:	Keep receptacle tightly sealed. Store in dry conditions. Store in a cool place.



8: EXPOSURE CONTROLS PERSONAL PROTECTION

Eye Contact: Tightly sealed safety glasses/goggles.
Skin Contact: PVA gloves of superior quality. Protective work clothing.
Respiratory Protection: In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use respiratory protective device that is independent of circulating air. Short term filter device: Filter AB.

Exposure Limits:

Component	CAS number	WEL	
		Short-term value	Long-term value
Polyvinyl chloride	9002-86-2	-	10* mg/m ³ , 4** mg/m ³ *inhalable dust **respirable dust
Diisodecyl phthalate	26761-40-0	-	5 mg/m ³
Diphenylmethane-4,4'-diisocyanate	101-68-8	0.07 mg/m ³	0.02 mg/m ³
		RCP-TWA	
Distillates (petroleum), light	64742-47-8	-	1200 mg/m ³

9: PHYSICAL AND CHEMICAL PROPERTIES

Form: Pasty
Colour: Various colours
Odour: Slight/faint
Boiling Point (°C): > 190
Flash Point (closed cup) (°C): > 70, The product is not subject to classification because its speed of combustion is lower than the limit of the regulation
Self-ignition Temperature (°C): > 200
Explosion Limits: Lower limit: 0.6 Vol%
Upper limit: 7.0 Vol%
Explosive Properties (%): Not known
Volatile Organic Compounds (VOC): 8.5 ± 0.5 %
Water Solubility: Insoluble



10: STABILITY AND REACTIVITY

Stability:	Stable under normal conditions.
Conditions to Avoid:	None.
Chemical Incompatibility:	Reacts with alcohols, amines, aqueous acids and alkalis. Reacts with water forming carbon dioxide. Danger of receptacles bursting because of vapour overpressure.
Hazardous Decomposition Products:	No dangerous decomposition products known.

11: TOXICOLOGICAL INFORMATION

The following toxicological assessment is based on knowledge of the toxicity of the product's components.

Health Effects

On Eyes:	Light irritating effect.
On Skin:	May be slightly irritant.
By Inhalation:	May be slightly irritant.
By Ingestion:	Low order of acute toxicity. May cause irritation of mouth, throat and digestive tract.
Chronic:	long term skin contact may cause some local short term irritation.

12: ECOLOGICAL INFORMATION

Mobility:	Slightly hazardous for water.
Environmental Assessment:	When used and disposed off as intended, no adverse environmental effects are foreseen.

13: DISPOSAL CONSIDERATION

Disposal must be in accordance with local and national legislation.

Unused Product:	Dispose off through an authorized waste contractor to licensed site. Prevent entry into drains, sewers and water courses.
Used/ Contaminated Product:	As for unused product.
Packaging:	May be steam cleaned and recycled.

14: TRANSPORT INFORMATION

This product is **not** classified as dangerous for transport.

15: REGULATORY INFORMATION

Hazard Label Data:

Xn



Harmful

Symbol (s):

Xn

Contains:

Diphenylmethane-4,4'-diisocyanate.

Risk Phrases:

R42

May cause sensitisation by inhalation.

Safety Phrases:

S23

Do not breathe vapour.

S45

In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

16: OTHER INFORMATION

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Disclaimer:

The information contained herein is derived from the best available sources and is believed to be accurate. However, no guarantee is expressed or implied regarding the accuracy of the data given in the use of this product.