

1. Identification

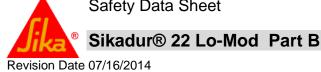
Product name	:	Sikadur® 22 Lo-Mod Part B
Supplier	:	Sika Corporation
Address	:	201 Polito Avenue Lyndhurst, NJ 07071 USA www.sikausa.com
Telephone	:	(201) 933-8800
Telefax	:	(201) 804-1076
Emergency telephone	:	CHEMTREC: 800-424-9300 INTERNATIONAL: 703-527-3887 ehs@sika-corp.com
Recommended use of the chemical and restrictions on use	:	For further information, refer to the product technical data sheet.

2. Hazards identification

GHS Classification

Acute toxicity, Category 4 (Oral) Skin corrosion, Category 1A Serious eye damage, Category 1 Skin sensitization, Category 1 Reproductive toxicity, Category 2 H302: Harmful if swallowed.H314: Causes severe skin burns and eye damage.H318: Causes serious eye damage.H317: May cause an allergic skin reaction.H361: Suspected of damaging fertility or the unborn child.

GHS Label element	
Hazard pictograms	
Signal Word	: Danger
Hazard Statements	 H302 Harmful if swallowed. H314 Causes severe skin burns and eye damage. H317 May cause an allergic skin reaction. H361 Suspected of damaging fertility or the unborn child.
Precautionary Statements	 Prevention: P201 Obtain special instructions before use. P202 Do not handle until all safety precautions have been read and understood. P260 Do not breathe dust or mist. P270 Do not eat, drink or smoke when using this product. P272 Contaminated work clothing should not be allowed out of



the workplace. P280 Wear protective gloves/ protective clothing/ eye protection/ face protection. P281 Use personal protective equipment as required. Response: P301 + P312 IF SWALLOWED: Call a POISON CENTER or doctor/ physician if you feel unwell. P301 + P330 + P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. P303 + P361 + P353 IF ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing. Rinse skin with water/ shower. P304 + P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P308 + P313 IF exposed or concerned: Get medical advice/ attention. P310 Immediately call a POISON CENTER or doctor/ physician. P333 + P313 If skin irritation or rash occurs: Get medical advice/ attention. P363 Wash contaminated clothing before reuse. Storage: P405 Store locked up. Disposal: P501 Dispose of contents/ container to an approved waste disposal plant.

See Section 11 for more detailed information on health effects and symptoms.

3. Composition/information on ingredients

Hazardous ingredients

Chemical Name	CAS-No.	Concentration (%)
Phenol, 4-nonyl, branched	84852-15-3	>= 50 - <= 100 %
Polyoxypropylenediamine	9046-10-0	>= 25 - < 50 %
2-Methyl-1,5-pentamethylendiamine	15520-10-2	>= 5 - < 10 %
2,4,6-tris(dimethylaminomethyl)phenol	90-72-2	>= 5 - < 10 %

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

4. First aid measures

If inhaled	: Move to fresh air. Consult a physician after significant exposure.
In case of skin contact	: Take off contaminated clothing and shoes immediately.



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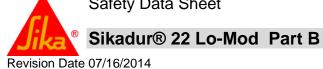
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	Wash off with soap and plenty of water. Immediate medical treatment is necessary as untreated wounds from corrosion of the skin heal slowly and with difficulty.
In case of eye contact :	Small amounts splashed into eyes can cause irreversible tissue damage and blindness. In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Continue rinsing eyes during transport to hospital. 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. Do not give milk or alcoholic beverages. Never give anything by mouth to an unconscious person. Take victim immediately to hospital.
Most important symptoms : and effects, both acute and delayed	Health injuries may be delayed. corrosive effects sensitizing effects
	Gastrointestinal discomfort Allergic reactions Dermatitis See Section 11 for more detailed information on health effects and symptoms.
Protection of first-aiders :	Move out of dangerous area. Consult a physician. Show this material safety data sheet to the doctor in attendance.
Notes to physician :	Treat symptomatically.

5. Fire-fighting measures

Suitable extinguishing media	: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Specific extinguishing methods	: 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.
Special protective equipment for fire-fighters	: In the event of fire, wear self-contained breathing apparatus.

6. Accidental release measures

Personal precautions, protective equipment and	: Use personal protective equipment. Deny access to unprotected persons.
emergency procedures Environmental precautions	: Do not flush into surface water or sanitary sewer system.



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Methods and materials for containment and cleaning up	 If the product contaminates rivers and lakes or drains inform respective authorities. Local authorities should be advised if significant spillages cannot be contained. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Keep in suitable, closed containers for disposal.
7. Handling and storage	
Advice on safe handling	 Avoid exceeding the given occupational exposure limits (see section 8). Do not get in eyes, on skin, or on clothing. For personal protection see section 8. Persons with a history of skin sensitization problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used. Smoking, eating and drinking should be prohibited in the application area. Follow standard hygiene measures when handling chemical products.
Conditions for safe storage	 Store in original container. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Observe label precautions. Store in accordance with local regulations.
Materials to avoid	: no data available

8. Exposure controls/personal protection

Contains no substances with occupational exposure limit values.

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 process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure below any recommended or statutory limits.

Personal protective equipment

Respiratory protection	:	Use a properly fitted NIOSH approved air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary.
		The filter class for the respirator must be suitable for the maximum expected contaminant concentration (gas/vapor/aerosol/particulates) that may arise when handling the product. If this concentration is exceeded, self-contained

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	breathing apparatus must be used.
Hand protection	
Remarks	: 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 necessary.
Eye protection	: Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary.
Skin and body protection	: Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place.
Hygiene measures	 Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product. Remove contaminated clothing and protective equipment before entering eating areas. Wash thoroughly after handling.

9. Physical and chemical properties

Appearance	:	liquid
Color	:	clear yellow
Odor	:	amine-like
Odor Threshold	:	no data available
Flash point	:	> 212 °F (> 100 °C)
Ignition temperature	:	not applicable
Decomposition temperature	:	no data available
Lower explosion limit (Vol%)	:	no data available
Upper explosion limit (Vol%)	:	no data available
Flammability (solid, gas)	:	no data available
Oxidizing properties	:	no data available
Autoignition temperature	:	no data available
рН	:	no data available
Melting point/range / Freezing point	:	no data available
Boiling point/boiling range	:	no data available
Vapor pressure	:	no data available



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Density	:	0.95 g/cm3 at 73 °F (23 °C)
Water solubility	:	Note: soluble
Partition coefficient: n-	:	no data available
octanol/water Viscosity, dynamic	:	no data available
Viscosity, kinematic	:	> 20.5 mm2/s at 104 °F (40 °C)
Relative vapor density	:	no data available
Evaporation rate	:	no data available
Burning rate	:	no data available
Volatile organic compounds (VOC) content	:	56 g/l A+B Combined

10. Stability and reactivity

Reactivity	: No dangerous reaction known under conditions of normal use.	
Chemical stability	: The product is chemically stable.	
Possibility of hazardous reactions	: Stable under recommended storage conditions.	
Conditions to avoid	: no data available	
Incompatible materials	: no data available	

11. Toxicological information

Acute toxicity

Product

Acute oral toxicity	: Harmful if swallowed.
Acute inhalation toxicity	: no data available
Acute dermal toxicity	: no data available

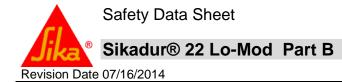
Ingredients:

Phenol, 4-nonyl, branched :			
Acute dermal toxicity	:	LD50 Dermal rabbit:	3,160 mg/kg

2-Methyl-1,5-pentamethylendiamine :

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Acute oral toxicity	: LD50 Oral rat: 1,170 mg/kg
Acute dermal toxicity	: LD50 Dermal rabbit: 1,870 mg/kg
Skin corrosion/irritation	
Product	
Causes severe skin burns and	d eye damage.
Serious eye damage/eye irritatio	on
Product	
no data available	
Respiratory or skin sensitizatior	1
Product	
May cause an allergic skin rea	action.
Germ cell mutagenicity	
Product	
Mutagenicity	: no data available
Carcinogenicity	
Product	
Carcinogenicity	: no data available
IARC	not applicable
NTP	not applicable
Reproductive Toxicity/Fertility	
<u>Product</u>	
Reproductive toxicity	: Suspected of damaging fertility or the unborn child.
Reproductive Toxicity/Developn	nent/Teratogenicity
Product	
Teratogenicity	: no data available
STOT-single exposure	
Product	
Assessment: no data availabl	e
STOT-repeated exposure	
	reaction may occur when subsequently exposed to very low levels.
Product	

Assessment: no data available



Aspiration toxicity

Product

no data available

12. Ecological information

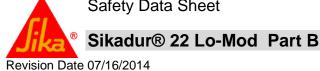
Other information	Do not empty into drains; dispose of this material and its container in a safe way. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. May be harmful to the environment if released in large quantities. Water polluting material.
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13. Disposal considerations

Disposal methods		
Waste from residues	:	Disposal of this product, solutions and any by-products should 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 handling site for recycling or disposal.

14. Transport information

DOT UN number Description of the goods Class Packing group Labels Emergency Response Guidebook Number	3267 Corrosive liquid, basic, organic, n.o.s. (Phenol, 4-nonyl, branched) 8 II 8 153
IATA	3267
UN number	Corrosive liquid, basic, organic, n.o.s.
Description of the goods	(Phenol, 4-nonyl, branched)
Class	8



Packing group Ш Labels 8 Packing instruction (cargo 855 aircraft) Packing instruction 851 (passenger aircraft) Packing instruction Y840 (passenger aircraft) IMDG **UN** number 3267 CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S. Description of the goods (Phenol, 4-nonyl, branched) Class 8 Ш Packing group Labels 8 F-A EmS Number 1 EmS Number 2 S-B Marine pollutant yes

DOT: For Limited Quantity exceptions reference 49 CFR 173.154 (b) IMDG: For Limited Quantity special provisions reference IMDG Code Chapter 3.4

Special precautions for user

no data available

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code not applicable

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.

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EPCRA - Emergency Planning and Community Right-to-Know

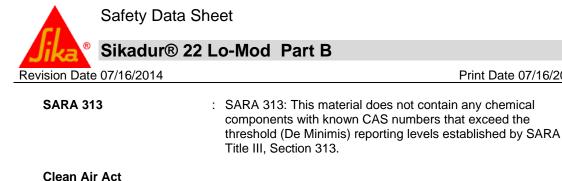
CERCLA Reportable Quantity

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

SARA304 Reportable Quantity

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

SARA 311/312 Hazards	:	Acute Health Hazard Chronic Health Hazard
SARA 302	:	SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.



Ozone-Depletion This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act

Section 602 (40 CFR 82, Subpt. A, App.A + B).

This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 12 (40 CFR 61).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F).

California Prop 65	This product does not contain any chemicals known to the State of California to cause cancer, birth, or any other reproductive
	defects.

16. Other information

Potential

HMIS Classification

Health *	3
Flammability	1
Physical Hazard	0

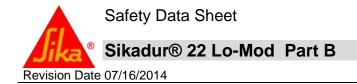
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Caution: HMIS® rating is based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although HMIS® rating is not required on SDSs under 29 CFR 1910.1200, the preparer may choose to provide them. HMIS® rating is to be used with a fully implemented HMIS® program. HMIS® is a registered mark of the National Paint & Coatings Association (NPCA). Please note HMIS® attempts to convey full health warning information to all employees.

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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Print Date 07/16/2014

All sales of Sika products are subject to its current terms and conditions of sale available at www.sikausa.com or 201-933-8800.

Revision Date 07/16/2014

Material number: 107377