Revision Date 11/15/2023

Print Date 11/15/2023

SECTION 1. IDENTIFICATION

Product name	:	Sikadur [®] -32 Hi-Mod Part B
Company name	:	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: +1-703-527-3887
Recommended use of the chemical and restrictions on use	:	For further information, refer to product data sheet.

SECTION 2. HAZARDS IDENTIFICATION

GHS classification in accordance with the OSHA Hazard Communication Standard (29 CFR 1910.1200)

Skin corrosion	:	Category 1C
Serious eye damage	:	Category 1
Skin sensitization	:	Category 1
Carcinogenicity (Inhalation)	:	Category 1A
Reproductive toxicity	:	Category 1B
Effects on or via lactation		
Specific target organ toxicity - single exposure	:	Category 3 (Respiratory system)
Specific target organ toxicity - repeated exposure	:	Category 1

GHS label elements

vision Date 11/15/2023	Print Date 11/15/202
Hazard pictograms	
Signal Word	: Danger
Hazard Statements	 H314 Causes severe skin burns and eye damage. H317 May cause an allergic skin reaction. H335 May cause respiratory irritation. H350 May cause cancer by inhalation. H360 May damage fertility or the unborn child. H362 May cause harm to breast-fed children. H372 Causes damage to organs through prolonged or repeated exposure.
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 mist or vapors. P263 Avoid contact during pregnancy/ while nursing. P264 Wash skin thoroughly after handling. P270 Do not eat, drink or smoke when using this product. P271 Use only outdoors or in a well-ventilated area. P272 Contaminated work clothing must not be allowed out of the workplace. P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.
	 Response: P301 + P330 + P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower. P304 + P340 + P310 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER/ doctor. P305 + P351 + P338 + P310 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/ doctor. P308 + P313 IF exposed or concerned: Get medical advice/ attention. P333 + P313 If skin irritation or rash occurs: Get medical advice/ attention. P362 + P364 Take off contaminated clothing and wash it before reuse.
	Storage: P403 + P233 Store in a well-ventilated place. Keep container

Revision Date 11/15/2023

Print Date 11/15/2023

tightly closed. P405 Store locked up.

Disposal:

P501 Dispose of contents/ container to an approved waste disposal plant.

Additional Labeling

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

Other hazards

Intentional misuse by deliberate concentration and inhalation of vapor may be harmful or fatal.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Mixtures

Components

Chemical name	CAS-No.	Classification	Concentra- tion (% w/w)
Quartz (SiO2) >5µm	14808-60-7	Carc. 1A; H350 STOT RE 1; H372 STOT SE 3; H335	>= 50 - < 70
Phenol, 4-nonyl, branched	84852-15-3	Acute Tox. 4; H302 Skin Corr. 1B; H314 Eye Dam. 1; H318 Repr. 2; H361	>= 5 - < 10
Isophoronediamine	2855-13-2	Acute Tox. 4; H302 Skin Corr. 1B; H314 Eye Dam. 1; H318 Skin Sens. 1A; H317	>= 5 - < 10
Polyoxypropylenediamine (polymer)	9046-10-0	Acute Tox. 4; H302 Acute Tox. 4; H312 Skin Corr. 1B; H314 Eye Dam. 1; H318	>= 5 - < 10
2-piperazin-1-ylethylamine	140-31-8	Acute Tox. 3; H311 Skin Corr. 1B; H314 Eye Dam. 1; H318 Skin Sens. 1; H317 Repr. 2; H361 STOT RE 1; H372	>= 1 - < 5
Solvent naphtha (petroleum), heavy arom.	64742-94-5	Flam. Liq. 4; H227 STOT SE 3; H336 Asp. Tox. 1; H304	>= 1 - < 5
Benzyl alcohol	100-51-6	Acute Tox. 4; H302 Acute Tox. 4; H332 Eye Irrit. 2A; H319	>= 1 - < 5
Ethanol, 2-amino-, reaction products with ammonia, by-products from	68910-05-4	Acute Tox. 4; H302 Skin Corr. 1C; H314	>= 1 - < 5

Revision Date 11/15/2023

Print Date 11/15/2023

		Eye Dam. 1; H318 Skin Sens. 1; H317 Repr. 1B; H360 Lact.H362	
2,4,6-	90-72-2	Skin Corr. 1C; H314	>= 1 - < 5
tris(dimethylaminomethyl)phenol		Eye Dam. 1; H318	

Actual concentration is withheld as a trade secret

SECTION 4. FIRST AID MEASURES

General advice	:	Move out of dangerous area. Consult a physician. Show this material safety data sheet to the doctor in attend- ance.
If inhaled	:	Move to fresh air. Consult a physician after significant exposure.
In case of skin contact	:	Take off contaminated clothing and shoes immediately. 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 difficul- ty.
In case of eye contact	:	Small amounts splashed into eyes can cause irreversible tis- sue 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 without medical advice. 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	:	Cough Respiratory disorder Allergic reactions Dermatitis Health injuries may be delayed. corrosive effects irritant effects sensitizing effects toxic effects for reproduction May cause an allergic skin reaction. Causes serious eye damage. May cause respiratory irritation. May cause cancer by inhalation.

Revision Date 11/15/2023	Print Date 11/15/2023
	May damage fertility or the unborn child. May cause harm to breast-fed children. Causes damage to organs through prolonged or repeated exposure. Causes severe burns.
Notes to physician :	Treat symptomatically.
Section 5. FIRE-FIGHTING MEAS	
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.
Special protective equipment : for fire-fighters	In the event of fire, wear self-contained breathing apparatus.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protec- : tive equipment and emer- gency procedures	Use personal protective equipment. Deny access to unprotected persons.
Environmental precautions :	Do not flush into surface water or sanitary sewer system. If the product contaminates rivers and lakes or drains inform respective authorities. Local authorities should be advised if significant spillages cannot be contained.
Methods and materials for : containment and cleaning up	Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). 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	:	 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

Sikadur®-32 Hi-Mod Part B

Revision Date 11/15/2023	Print Date 11/15/2023
	used. Smoking, eating and drinking should be prohibited in the ap- plication area. Pregnant women or women of child-bearing age should not be exposed to this product. Follow standard hygiene measures when handling chemical products.
Conditions for safe storage	 Store in original container. Keep in a 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	 Explosives Oxidizing agents Poisonous gases Dangerous when wet Flammable solids Organic peroxides Poisonous liquids Spontaneously Combustible Substances

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Ingredients with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parame- ters / Permissible concentration	Basis
Quartz (SiO2) >5µm	14808-60-7	TWA (Res- pirable par- ticulate mat- ter)	0.025 mg/m3	ACGIH
		TWA (Res- pirable dust)	0.05 mg/m3	OSHA Z-1
		TWA (respir- able)	10 mg/m3 / %SiO2+2	OSHA Z-3
		TWA (respir- able)	250 mppcf / %SiO2+5	OSHA Z-3
		TWA (respir- able dust fraction)	0.1 mg/m3	OSHA P0
		TWA (Res- pirable par- ticulate mat- ter)	0.025 mg/m3 (Silica)	ACGIH
		PÉL (respir- able)	0.05 mg/m3	OSHA CARC

Revision Date 11/15/2023

```
Print Date 11/15/2023
```

TWA (respir- able dust fraction)	0.1 mg/m3	OSHA P0
TWA (Res- pirable par- ticulate mat- ter)	0.025 mg/m3	ACGIH
TWA (Res- pirable par- ticulate mat- ter)	0.025 mg/m3 (Silica)	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.

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 equipm	ent		
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.	
		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.	
Hand protection	:	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 be used when a risk assessment indicates this is necessary.	
Skin and body protection	:	Choose body protection in relation to its type, to the concen- tration and amount of dangerous substances, and to the spe- cific 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.	

Revision Date 11/15/2023

Print Date 11/15/2023

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	:	liquid
Color	:	gray
Odor	:	amine-like
Odor Threshold	:	No data available
рН	:	Not applicable
Melting point/range / Freezing	:	No data available
point Boiling point/boiling range	:	No data available
Flash point	:	> 212 °F / 100 °C (Method: closed cup)
Evaporation rate	:	No data available
Flammability (solid, gas)	:	No data available
Upper explosion limit / Upper flammability limit	:	No data available
Lower explosion limit / Lower flammability limit	:	No data available
Vapor pressure	:	0.02 hpa
Relative vapor density	:	No data available
Density	:	1.7 g/cm3 (68 °F / 20 °C)
Solubility(ies) Water solubility	:	slightly soluble
Solubility in other solvents	:	No data available
	:	No data available
octanol/water Autoignition temperature	:	No data available
Decomposition temperature	:	No data available
Viscosity Viscosity, dynamic	:	No data available
Viscosity, kinematic	:	> 20.5 mm2/s (104 °F / 40 °C)
		8 / 16

Revision Date 11/15/2023

Print Date 11/15/2023

Explosive properties	:	No data available
Oxidizing properties	:	No data available
Volatile organic compounds (VOC) content	:	35 g/l A+B Combined

SECTION 10. STABILITY AND REACTIVITY

Reactivity	:	No dangerous reaction known under conditions of normal use.
Chemical stability	:	The product is chemically stable.
Possibility of hazardous reac- tions	:	Stable under recommended storage conditions.
Conditions to avoid	:	No data available
Incompatible materials	:	No data available
Hazardous decomposition products	:	No decomposition if stored and applied as directed.

SECTION 11. TOXICOLOGICAL INFORMATION

Acute toxicity Not classified due to lack of data. <u>Components:</u>					
Phenol, 4-nonyl, branched:					
Acute oral toxicity	:	LD50 Oral (Rat): 1,412 mg/kg			
Acute dermal toxicity	:	LD50 Dermal (Rabbit): 3,160 mg/kg			
Isophoronediamine:					
Acute oral toxicity	:	LD50 Oral (Rat): 1,030 mg/kg			
Acute inhalation toxicity	:	LC50 (Rat): > 10 mg/l Exposure time: 4 h			
		Test atmosphere: dust/mist			
Acute dermal toxicity	:	LD50 (Rabbit): > 2,000 - 5,000 mg/kg			
2-piperazin-1-ylethylamine:					
Acute oral toxicity	:	LD50 Oral (Rat): 2,097 mg/kg			

Acute dermal toxicity	: LD50 Dermal (Rab	oit): ca. 866 mg/kg
Benzyl alcohol:		
Acute oral toxicity	: LD50 Oral (Rat): 1	620 mg/kg
Acute inhalation toxicity	: LC50 (Rat): > 4.17 Exposure time: 4 h Test atmosphere: c	
2,4,6-tris(dimethylaminon	hyl)phenol:	
Acute oral toxicity	: LD50 Oral (Rat): 2	169 mg/kg
Skin corrosion/irritation		
Causes severe burns.		
Product:		
Method	: In Vitro Membrane	Barrier Test Method for Skin Corrosion -
	CORROSITEX	
Result	: Corrosive after 1 to	4 hours of exposure
Components:		
2,4,6-tris(dimethylaminon	hvl)phenol:	
Species	: Rabbit	
Assessment	: Corrosive	
Method	: OECD Test Guidel	ne 404
Serious eye damage/eye	tation	
Causes serious eye damag		
Components:		
2,4,6-tris(dimethylaminon	hyl)phenol:	
Species	: Rabbit	
Assessment	: Causes serious ey	e damage.
Respiratory or skin sensi	ation	
Skin sensitization		
May cause an allergic skin	action.	
Respiratory sensitization		
Not classified due to lack o	ata.	
Germ cell mutagenicity		
Not classified due to lack o	ata.	
Carcinogenicity		
May cause cancer by inhala	on.	
,,,		

Revision Date 11/15/2023

Print Date 11/15/2023

IARC	Group 1: Carcinogenic to humans Quartz (SiO2) (Silica dust, crystalline)	14808-60-7
	Group 2B: Possibly carcinogenic to humans Titanium dioxide (> 10 μm)	13463-67-7
OSHA	OSHA specifically regulated carcinogen Quartz (SiO2) (crystalline silica)	14808-60-7
NTP	Known to be human carcinogen Quartz (SiO2) (Silica, Crystalline (Respirable Size))	14808-60-7

Reproductive toxicity

May damage fertility or the unborn child. May cause harm to breast-fed children.

STOT-single exposure

May cause respiratory irritation.

STOT-repeated exposure

Causes damage to organs through prolonged or repeated exposure. Once sensitized, a severe allergic reaction may occur when subsequently exposed to very low levels.

Aspiration toxicity

Not classified due to lack of data.

Further information

Product:

Remarks

: Titanium dioxide (13463-67-7)

In lifetime inhalation studies of rats, airborne respirable-size titanium dioxide particles have shown to cause an increase in lung tumors at concentrations associated with substantial particle lung burdens and consequential pulmonary overload and inflammation. The potential for these adverse health effects appears to be closely related to the particle size and the amount of the exposed surface area that comes into contact with the lung. However, tests with other laboratory animals such as mice and hamsters, indicate that rats are significantly more susceptible to the pulmonary overload and inflammation that causes lung cancer. Epidemiological studies do not suggest an increased risk of cancer in humans from occupational exposure to titanium dioxide. Titanium dioxide has been characterized by IARC as possibly carcinogenic to humans (Group 2B) through inhalation (not ingestion). It has not been characterized as a potential carcinogen by either NTP or OSHA.

Quartz (14808-60-7): This classification is relevant when exposed to Quartz (silicon dioxide) in dust or powder form only,

Revision Date 11/15/2023

Print Date 11/15/2023

including cured product that is subject to sanding, grinding, cutting, or other surface preparation activities.

SECTION 12. ECOLOGICAL INFORMATION Ecotoxicity **Components:** Phenol, 4-nonyl, branched: Isophoronediamine: Toxicity to algae/aquatic ErC50 (Desmodesmus subspicatus (green algae)): > 10 - 100 : plants mg/l NOEC (Desmodesmus subspicatus (green algae)): 1.5 mg/l 2-piperazin-1-ylethylamine: LC50 (Fish): > 100 mg/l Toxicity to fish ٠ Exposure time: 96 h Benzyl alcohol: Toxicity to fish LC50 (Fish): > 100 mg/l Exposure time: 96 h Toxicity to daphnia and other : EC50 (Daphnia magna (Water flea)): > 100 mg/l aquatic invertebrates Exposure time: 48 h 2,4,6-tris(dimethylaminomethyl)phenol: Toxicity to algae/aquatic EC50 (Scenedesmus capricornutum (fresh water algae)): > 10 • - 100 mg/l plants Persistence and degradability No data available **Bioaccumulative potential** No data available Mobility in soil No data available Other adverse effects Product: Additional ecological infor-Do not empty into drains; dispose of this material and its conmation tainer in a safe way. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Revision Date 11/15/2023

Print Date 11/15/2023

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.

SECTION 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 han- dling site for recycling or disposal.

SECTION 14. TRANSPORT INFORMATION

International Regulations

IATA-DGR		
UN/ID No.	:	UN 3267
Proper shipping name	:	Corrosive liquid, basic, organic, n.o.s. (4-nonylphenol, branched, 3-aminomethyl-3,5,5- trimethylcyclohexylamine)
Class	:	8
Packing group	:	III
Labels	:	Corrosive
Packing instruction (cargo aircraft)	:	856
Packing instruction (passen- ger aircraft)	:	852
IMDG-Code		
UN number	:	UN 3267
Proper shipping name	:	CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S. (4-nonylphenol, branched, 3-aminomethyl-3,5,5-trimethylcyclohexylamine)
Class	:	8
Packing group	:	III
Labels	:	8
EmS Code	:	F-A, S-B
Marine pollutant	:	yes
Domestic regulation		
49 CFR		
UN/ID/NA number	:	UN 3267
Proper shipping name	:	Corrosive liquid, basic, organic, n.o.s.

Revision Date 11/15/2023

Print Date 11/15/2023

	(Phenol, 4-nonyl, branched, 3-aminomethyl-3,5,5- trimethylcyclohexylamine)
Class :	8
Packing group :	III
Labels :	CORROSIVE
ERG Code :	153
Marine pollutant :	no

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

The transport classification(s) provided herein are for informational purposes only, and solely based upon the properties of the unpackaged material as it is described within this Safety Data Sheet. Transportation classifications may vary by mode of transportation, package sizes, and variations in regional or country regulations.

SECTION 15. REGULATORY INFORMATION

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

The following substance(s) is/are subject to a Significant New Use Rule:Phenol, 4-nonyl, branched84852-15-3See 40 CFR § 721.10765; Proposed
Rule

The following substance(s) is/are subject to TSCA 12(b) export notification requirements: Phenol, 4-nonyl, branched 84852-15-3

CERCLA Reportable Quantity

Listed substances in the product are at low enough levels to not be expected to exceed the RQ

SARA 304 Extremely Hazardous Substances Reportable Quantity

Listed substances in the product are at low enough levels to not be expected to exceed the 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	Respiratory or skin sensitization Carcinogenicity Reproductive toxicity Specific target organ toxicity (single or repeated exposure) Skin corrosion or irritation Serious eye damage or eye irritation			
SARA 313	: The following components are subject to reporting levels tablished by SARA Title III, Section 313:			
	Phenol, 4-nonyl, branched	84852-15-3	>= 5 - < 10 %	

Revision Date 11/15/2023

Print Date 11/15/2023

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

▲ WARNING: This product can expose you to chemicals including Quartz (SiO2) >5µm, which is known to the State of California to cause cancer, and benzene, which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

SECTION 16. OTHER INFORMATION

Full text of other abbreviations

ACGIH OSHA CARC OSHA P0	:	USA. ACGIH Threshold Limit Values (TLV) OSHA Specifically Regulated Chemicals/Carcinogens USA. Table Z-1-A Limits for Air Contaminants (1989 vacated
0504 20	•	values)
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 CARC / PEL	:	Permissible exposure limit (PEL)
OSHA P0 / TWA	:	8-hour time weighted average
OSHA Z-1 / TWA	:	8-hour time weighted average
OSHA Z-3 / TWA	:	8-hour time weighted average

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.

SIKA MAKES NO WARRANTIES EXPRESS OR IMPLIED AND ASSUMES NO LIABILITY ARISING FROM THIS INFORMATION OR ITS USE. SIKA SHALL NOT BE LIABLE UNDER ANY LEGAL THEORY FOR SPECIAL OR CONSEQUENTIAL DAMAGES AND SHALL NOT BE RESPONSIBLE FOR THE USE OF THIS PRODUCT IN A MANNER TO INFRINGE ON ANY PATENT OR ANY OTHER INTELLECTUAL PROPERTY RIGHTS HELD BY OTHERS.

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 11/15/2023

Revision Date 11/15/2023

Print Date 11/15/2023

000000603906 US / Z8