

MATERIAL SAFETY DATA SHEET



Date Issued: 08/19/2008
 MSDS No: Sikafloor 315-H
 Date-Revised: 09/17/2008
 Revision No: 2

1. PRODUCT AND COMPANY IDENTIFICATION

GENERAL USE: Hardner

PRODUCT DESCRIPTION: Low VOC Abrasion Resistant Aliphatic Urethane Hardner

PRODUCT CODE: Sikafloor 315-H

MANUFACTURER

Sika Corporation, Operations
 www.sikacorp.com
 201 Polito Avenue
 Lyndhurst NJ 07071
Service Number: 201-933-8800
Alternate Customer Service: Fax: 201-804-1076

SUPPLIER

Sika Corporation, Construction
 www.sikaconstruction.com
 201 Polito Avenue
 Lyndhurst NJ 07071
Product Stewardship: 201-933-8800

24 HR. EMERGENCY TELEPHONE NUMBERS

CHEMTREC (US Transportation) :(800) 424 - 9300

CHEMTREC (International) :(703) 527 - 3887

2. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

PHYSICAL APPEARANCE: Pale yellow viscous liquid

IMMEDIATE CONCERNS: Reacts violently with common materials including water, alcohols, bases and amines. Eye irritant. Harmful if inhaled. Possible sensitizer.

POTENTIAL HEALTH EFFECTS

EYES: May cause significant irritation to the eyes.

SKIN: May cause significant irritation to the skin.

INGESTION: May cause significant irritation to the digestive tract.

INHALATION: May cause significant irritation to the lungs, upper respiratory tract and nose.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Wt.%	CAS	EINECS
Polyisocyanate Prepolymer	60 - 100	Mixture	N/A

COMMENTS: The criteria for listing components in the composition section are as follows: Carcinogens are listed when present at 0.1% or greater; components which are otherwise hazardous according to OSHA are listed when present at 1.0% or greater; non-hazardous components are not listed. This is not intended to be complete compositional disclosure. Refer to section 15 for applicable states right to know and other regulatory information.

4. FIRST AID MEASURES

EYES: Immediately flush eyes with plenty of water for two to three minutes. Remove any contact lenses and continue flushing for

15 minutes. Assure adequate flushing by separating the eyelids with fingers. Get medical attention.

SKIN: Remove contaminated clothing including shoes and immediately wash affected area with plenty of soap and water. Seek medical attention. Wash contaminated clothing and shoes before reuse.

INGESTION: If victim is conscious and alert, give 2-3 glasses of water to drink and induce vomiting by touching back of throat with finger. Do not induce vomiting or give anything by mouth to an unconscious person. Seek immediate medical attention. Do not leave victim unattended. Vomiting may occur spontaneously. To prevent aspiration of swallowed product, lay victim on side with head lower than waist. If vomiting occurs and the victim is conscious, give water to further dilute the chemical.

INHALATION: Remove to fresh air away from further exposure provide oxygen if breathing is difficult. Keep warm and at rest. If cough or other symptoms develop, seek medical attention.

5. FIRE FIGHTING MEASURES

FLASHPOINT AND METHOD: > (200°F) COC (Cleveland Open Cup)

AUTOIGNITION TEMPERATURE: Not Available

FLAMMABLE CLASS: Non-combustible

FIRE FIGHTING PROCEDURES: Do not release runoff from fire control methods to sewers or waterways.

FIRE FIGHTING EQUIPMENT: Respiratory and eye protection are required for fire fighting personnel. Full protective equipment (Bunker Gear) and self contained breathing apparatus (SCBA) should be used for all indoor fires and any significant outdoor fires. For small outdoor fires, which may easily be extinguished with a portable fire extinguisher, use of a SCBA may not be required.

COMMENTS: Reacts exothermically with water to form carbon dioxide gas, which may create excessive pressure in closed containers. Reacts exothermically with polyol and alcohols. Reacts exothermically and possibly violently with acids, amines and alkaline solutions. Under fire conditions toxic, corrosive fumes are emitted.

6. ACCIDENTAL RELEASE MEASURES

SMALL SPILL: Absorb with inert material. Clean up and dispose of at an appropriate waste disposal facility.

LARGE SPILL: Contain spill. If spilled in an enclosed area, ventilate and evacuate. Cover with inert material and collect for proper disposal.

GENERAL PROCEDURES: Absorb on diatomaceous earth or equivalent inert material. Shovel up and dispose of at an appropriate waste disposal facility according to current applicable laws and regulations, and product characteristics at time of disposal.

7. HANDLING AND STORAGE

GENERAL PROCEDURES: Keep product in the original container. Store the container in a secure well ventilated storage area at 60-80 deg. F. Opened containers should be blanketed with dry inert gas at atmospheric pressure to avoid reaction with moisture. Contamination with moisture or "basic" compounds can cause dangerous pressure buildup in closed containers.

HANDLING: Use appropriate personal protective equipment as specified in Section 8. Handle in a well ventilated area.

STORAGE: Store in unopened containers under cool and dry conditions.

STORAGE TEMPERATURE: (55°F) Minimum to (85°F) Maximum

COMMENTS: If bulging of container occurs, transfer to a well ventilated area and open carefully to relieve pressure then reseal.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

ENGINEERING CONTROLS: Provide general local exhaust ventilation to control airborne levels below the ACGIH TLV-TWA

exposure limits.

PERSONAL PROTECTIVE EQUIPMENT

EYES AND FACE: Wear safety glasses with side shields or goggles when handling this material.

SKIN: To prevent any contact, wear impervious compatible chemical resistant protective clothing such as neoprene or butyl rubber gloves, apron, boots or whole bodysuit, as appropriate.

RESPIRATORY: Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

PROTECTIVE CLOTHING: Wear compatible chemical resistant protective gloves, boots, aprons, and gauntlets to prevent prolonged or repeated skin contact. Wear protective eyeglasses or chemical safety goggles, per OSHA eye- and face-protection regulations (29 CFR 1910.133). Contact lenses are not eye protective devices. Appropriate eye protection must be worn instead of, or in conjunction with contact lenses.

COMMENTS: Never eat, drink, or smoke in work areas. Practice good personal hygiene after using this material, especially before eating, drinking, smoking, using the toilet, or applying cosmetics.

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Liquid

ODOR: Odorless

COLOR: Pale Yellow

VAPOR PRESSURE: mmHg at 25°C

FLASHPOINT AND METHOD: > (200°F) COC (Cleveland Open Cup)

DENSITY: 9.43 at 25°C

(VOC): %

10. STABILITY AND REACTIVITY

STABLE: Yes

HAZARDOUS POLYMERIZATION: No

POLYMERIZATION: May occur.

CONDITIONS TO AVOID: Excessive heat or open flame.

HAZARDOUS DECOMPOSITION PRODUCTS: Thermal oxidative decomposition of this product can produce CO, NO_x, HCN and HDI vapors.. Some curing agents will react to produce a large amount of heat.

INCOMPATIBLE MATERIALS: Water, alcohols, amines, and strong bases.

11. TOXICOLOGICAL INFORMATION

SENSITIZATION: May be sensitizing to the skin.

COMMENTS: No applicable data for this section.

12. ECOLOGICAL INFORMATION

ENVIRONMENTAL DATA: No data is available on the product itself.

COMMENTS: No applicable data for this section.

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: Mix multi-component materials together and allow to harden. Dispose of waste at an appropriate waste disposal facility according to current applicable laws and regulations.

FOR LARGE SPILLS: This is one part of a multi-part polyurea system. If the situation warrants, the counterpart material may be mixed with this part and allowed to harden. The hardened material may be scraped off the surface and disposed of through normal means. If the situation prohibits the mixing of the counterpart to solidify and neutralize the material, then scrape the material from the surface with shovels and place material into appropriate containers for proper disposal.

PRODUCT DISPOSAL: Dispose of at a supervised incineration facility or an appropriate waste disposal facility observing all current applicable federal, state and local laws and regulations and product characteristics at time of disposal.

14. TRANSPORT INFORMATION

DOT (DEPARTMENT OF TRANSPORTATION)

TECHNICAL NAME: Not restricted by DOT

PRIMARY HAZARD CLASS/DIVISION: Not Regulated

PACKING GROUP: N/A

15. REGULATORY INFORMATION

UNITED STATES

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

FIRE: No **PRESSURE GENERATING:** No **REACTIVITY:** Yes **ACUTE:** Yes **CHRONIC:** No

TSCA (TOXIC SUBSTANCE CONTROL ACT)

TSCA STATUS: Listed on inventory: Yes

CALIFORNIA PROPOSITION 65: (component (s) know to the State of California to cause cancer and/or reproductive toxicity and subject to warning and discharge requirements under the "Safe Drinking Water and Toxic Enforcement Act of 1986"): None

EUROPEAN COMMUNITY

EUROPEAN COMMUNITY REGULATORY:

EINECS Inventory Status:

This product, or its components, are listed on or are exempt from the European Inventory of Existing Chemical Substances (EINECS) or the European List of Notified Chemical Substances (ELINCS).

Canadian Inventory Status:

This product, or its components, are listed on or are exempt from the Canadian Domestic Substance List (DSL).

Australian Inventory Status:

This product, or its components, are listed on or are exempt from the Australian Inventory of Chemical Substances (AICS).

GENERAL COMMENTS:

EU Additional Classification

Symbol of Danger: Xi (Irritant)

R: 36/38 Irritating to eyes and skin.

R: 43 May cause sensitization by skin contact.

S: 36/37/39 Wear suitable protective clothing, gloves and eye/face protection.

16. OTHER INFORMATION

REVISION SUMMARY: Revision #: 2 This MSDS replaces the August 20, 2008 MSDS. Any changes in information are as follows:

HMIS RATING

HEALTH:	*	2
FLAMMABILITY:		1
PHYSICAL HAZARD:		1
PERSONAL PROTECTION:	D	

COMMENTS: To the best of our knowledge, this Material Safety Data Sheet conforms to the requirements of US OSHA 29 CFR 1910.1200, 91/155/EEC.

MANUFACTURER DISCLAIMER: The information contained in this Material 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 Technical Data Sheet, product label and Material Safety Data Sheet for each Sika product, which are available at web site and/or telephone number listed in Section 1 of this MSDS.

SIKA MAKES NO WARRANTIES EXPRESSED 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.sikscorp.com or 201-933-8800.