

TRANSILON CEMENT K14

1. Product And Company Identification

Supplier Forbo Siegling, LLC 12201 Vanstory Dr. Huntersville, NC 28078-8395 Company Contact: Mr. Jay Leighton Telephone Number: 704-948-0800	Manufacturer Forbo Siegling, LLC 12201 Vanstory Dr. Huntersville, NC 28078-8395 Company Contact: Mr. Jay Leighton Telephone Number: 704-948-0800
Supplier Emergency Contacts & Phone Number CHEMTREC: (800) 424-9300	Manufacturer Emergency Contacts & Phone Number CHEMTREC: (800) 424-9300

Issue Date: 03/19/2007

Product Name: TRANSILON CEMENT K14
 CAS Number: Not Avail.
 Chemical Formula: Mixture
 MSDS Number: 835

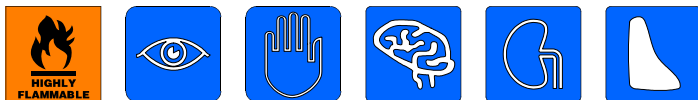
2. Composition/Information On Ingredients

Ingredient Name	CAS Number	Percent Of Total Weight
ACETONE	67-64-1	10 - 25
DMAC	127-19-5	2.5 - 10
TETRAHYDROFURAN	109-99-9	50 - 100

EMERGENCY OVERVIEW

Highly Flammable. Keep away from heat, spark and open flame. Use with adequate ventilation. Harmful if inhaled or swallowed. CONTACT YOUR LOCAL POISON CONTROL CENTER IF SWALLOWED! Contact with eyes or skin causes irritation. Exposure to high vapor concentrations or repeated/prolonged exposures may cause systemic effects. Decomposition by fire may produce irritating and harmful gases.

Hazards Identification (Pictograms)



3. Hazards Identification

Eye Hazards

Liquid contact with the eyes may cause irritation, redness and opacity of the cornea, hardening of the skin and swelling.

Skin Hazards

Direct liquid contact can cause irritation of the skin. Prolonged or repeated contact with liquid may cause drying and defatting of the skin and dermatitis.

Liquid may be absorbed through the skin in harmful quantities. Prolonged contact may result in systemic effects. Effects may be cumulative from long-term exposure.

Ingestion Hazards

Ingestion of this product is considered unlikely. Accidental swallowing may cause irritation of the throat, esophagus and stomach. Large amounts may cause symptoms similar to inhalation (headache, weakness, nausea, drowsiness, etc.). Ingestion may effect the liver, kidneys, and central nervous system.

TRANSILON CEMENT K14

3. Hazards Identification - Continued

Inhalation Hazards

Short-term inhalation of low concentrations may cause irritation of the nose and throat. Inhalation of high concentrations may cause irritation, headache, light-headedness, dizziness, drowsiness, lethargy, weakness, confusion, disorientation, nausea and vomiting. Liver and kidney damage, unconsciousness and even death may occur from inhaling extremely high concentrations.

Liver and kidney damage may result from chronic exposure. Certain ingredients of this product are believed to have cumulative effects.

First Aid (Pictograms)



4. First Aid Measures

Eye

Remove the victim from the source of contamination or exposure to the nearest eyewash or other source of clean water. Immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention immediately.

Skin

Remove the victim from the source of contamination. Remove contaminated clothing and shoes. Wash affected areas with soap and water. Get medical attention immediately if irritation (redness, rash, blistering) develops.

Ingestion

Never give anything by mouth if victim is rapidly losing consciousness, or is unconscious or convulsing. Rinse mouth thoroughly with water. DO NOT INDUCE VOMITING. Have victim drink water to dilute material in stomach. If vomiting occurs naturally, rinse mouth and repeat administration of water. If breathing has stopped, trained personnel should begin artificial respiration or, if the heart has stopped, cardiopulmonary resuscitation immediately. Obtain medical attention immediately.

Inhalation

Remove source of contamination or move victim to fresh air. If breathing has stopped, properly trained personnel should begin artificial respiration or cardiopulmonary resuscitation immediately. Obtain medical attention immediately.

Fire Fighting (Pictograms)



5. Fire Fighting Measures

Flash Point: -6 °F -21 °C

Autoignition Point: 230 °C

Flammability Class: IB

Lower Explosive Limit: 1.5

Upper Explosive Limit: 13.0

Fire And Explosion Hazards

Highly Flammable! Keep away from open flame, heat sources and fire. Vapors may form flammable/explosive mixtures with air in confined areas with poor ventilation. Vapor is heavier than air and may travel a considerable distance to a source of ignition and flash-back.

Vapor may accumulate in tanks, along the floor or in low spots. Do not cut open or apply heat sources to containers. Closed containers may rupture and explode when exposed to extreme heat.

TRANSILON CEMENT K14

5. Fire Fighting Measures - Continued

Fire And Explosion Hazards - Continued

May accumulate static electrical charges, and may cause ignition of vapors.

Extinguishing Media

Dry chemical, foam, carbon dioxide. Use water to cool fire-exposed containers.

Fire Fighting Instructions

Water can be used to keep fire-exposed containers cool. However, caution should be used because water may cause the fire to spread.

6. Accidental Release Measures

1. Remove/extinguish all ignition sources such as open flames.
2. Ventilate area of spill or leak.
3. For small quantities absorb on paper towels or similar material. Allow to evaporate in a safe place such as a fume hood. Never dispose of with trash since spontaneous combustion may occur!
4. Large quantity: dike area with suitable absorbent such as vermiculite or kitty litter to prevent spread of material. If available use alcohol type foam to cover spill in order to prevent ignition. Do not allow material to enter confined areas such as pits or sewers since vapors may form explosive mixture with air. Avoid runoff to waterways and sewers. Use more absorbent material to soak up material and place in drums or other containers for disposal. Spilled product must be disposed of as an ignitable characteristics (EPA) hazardous waste via incineration or other acceptable method.

NOTE: ALWAYS WEAR PROTECTIVE EQUIPMENT SUCH AS ORGANIC VAPOR RESPIRATOR GLOVES AND EYE PROTECTION WHEN HANDLING CONTAMINATED MATERIALS!

7. Handling And Storage

Handling And Storage Precautions

Keep container tightly sealed in a well-ventilated, cool and dry room. Keep away from heat, spark and open flame. No smoking. Keep away from incendiary or explosive substances. Provide eye wash bottle.

Avoid contact with eyes and skin. Do not breathe vapors. Protective gloves recommended. Keep away from food, drink and feedstuffs. Observe relevant employee restrictions.

Keep away from sources of ignition and take measures against electrostatic build-up.

Protective Clothing (Pictograms)



8. Exposure Controls/Personal Protection

Engineering Controls

If large quantities are used, local exhaust ventilation should be used. Electrical equipment must conform to NFPA/NEC Standards Article 500 for use in potentially flammable atmospheres or hazardous locations. Local exhaust ventilation should be provided to maintain exposures below recommended occupational exposure limits.

Eye/Face Protection

Use safety glasses, goggles or face shield to prevent accidental eye contact.

Skin Protection

Chemical-resistant gloves made of butyl rubber should be used if contact will occur.

Respiratory Protection

In case of inadequate ventilation, use a NIOSH-approved respirator for equipped with organic vapor cartridges. Respiratory protection should not be necessary under normal conditions of anticipated use in small quantities.

TRANSILON CEMENT K14

8. Exposure Controls/Personal Protection - Continued

Ingredient(s) - Exposure Limits

ACETONE

ACGIH TLV-TWA: 500 ppm

ACGIH TLV-STEL: 750 ppm

OSHA PEL-TWA: 1,000 ppm

DMAC

ACGIH TLV-TWA: 10 ppm (Skin)

OSHA PEL-TWA: 10 ppm (Skin)

TETRAHYDROFURAN

ACGIH TLV-TWA: 50 ppm

ACGIH TLV-STEL: 100 ppm

OSHA PEL-TWA: 200 ppm

9. Physical And Chemical Properties

Appearance

Clear liquid

Odor

Characteristic solvent odor

Chemical Type: Mixture

Physical State: Liquid

Boiling Point: 131 °F 55 °C

Vapor Pressure: 247 hPa @ 20C

Solubility: Not miscible

Viscosity: 5000 mPAS @ 20C

10. Stability And Reactivity

Stability: Stable

Hazardous Polymerization: Will Not Occur

Conditions To Avoid (Stability)

Heat, spark, open flame, prolonged exposure to air.

Incompatible Materials

May be incompatible with strong acids and oxidizers. Unstable or explosive peroxides may be formed with strong oxidizers or prolonged contact with air/oxygen.

Hazardous Decomposition Products

May emit toxic combustion products of unknown identity.

Conditions To Avoid (Polymerization)

11. Toxicological Information

Chronic/Carcinogenicity

Neither the product overall nor any of its ingredients are known to be listed as potentially carcinogenic by NTP, IARC, OSHA or ACGIH.

Miscellaneous Toxicological Information

NOTE: The health effects of this product as noted above are based on extrapolations from the available data for the pure components. To the best of our knowledge, adverse health effects have not been determined for the final product formulation as a whole. Under the normal anticipated conditions of use of this product (in small quantities and for brief and intermittent exposures) it is believed that the likelihood of experiencing adverse health effects is small.

TRANSILON CEMENT K14

12. Ecological Information

No Data Available...

13. Disposal Considerations

Flash point is below 140 deg F. Spilled material should be disposed of as an ignitable hazardous waste (EPA-RCRA), D001 Ignitable waste.

14. Transport Information

Proper Shipping Name

ADHESIVES, containing a flammable liquid

Hazard Class

3 (Flammable Liquid), PGIII

DOT Identification Number

UN1133

DOT Shipping Label

FLAMMABLE LIQUID

Additional Shipping Paper Description

Air Transport (IATA)

ICAO/IATA Class: 3

UN/ID: 1133

Packing Group: III

Proper Shipping Name: Adhesives

Maritime Transport IMDG

IMDG Class: 3.2

Page: 3174

UN Number: 1133

Packing Group: III

EMS Number: 3-05

MFAG: 330

Marine Pollutant: No

Proper Shipping Name: Adhesives

Land Transport (ADR/RID)

ADR/RID Class:3

Item: 5c

Danger code: 33

UN Number: 1133

Description of Goods: Adhesives

DOT (Pictograms)



TDG - Canada (Pictograms)



TRANSILON CEMENT K14

15. Regulatory Information

U.S. Regulatory Information

Toxic Substance Control Act (TSCA): All ingredients of this product are listed on the TSCA Chemical Substance Inventory.

SARA Hazard Classes

Acute Health Hazard
Chronic Health Hazard
Fire Hazard

SARA Section 313 Notification

This product does not contain any ingredients regulated under Section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 or 40 CFR 372.

State Regulations

"Universal" Labeling:

CONTENTS

Acetone	67-64-1
Tetrahydrofuran	109-99-9
Dimethylacetamide	127-19-5

Ingredient(s) - State Regulations

ACETONE

New Jersey - Workplace Hazard
Pennsylvania - Workplace Hazard
Massachusetts - Hazardous Substance
New York City - Hazardous Substance

DMAC

New Jersey - Workplace Hazard
Pennsylvania - Workplace Hazard
Massachusetts - Hazardous Substance
New York City - Hazardous Substance

TETRAHYDROFURAN

New Jersey - Workplace Hazard
New Jersey - Special Hazard
Pennsylvania - Workplace Hazard
Massachusetts - Hazardous Substance
New York City - Hazardous Substance

Canadian Regulatory Information

Class B - Combustible or Flammable Material

Ingredient(s) - Canadian Regulatory Information

TETRAHYDROFURAN

WHMIS - Ingredient Disclosure List

European Union (EU) Regulatory Information

European Union Risk Phrases -

R11 - Highly Flammable
R22 - Harmful if swallowed
R36 - Irritating to eyes
R38 - Irritating to skin

European Union Safety Phrases -

S9 - Keep container in a well-ventilated place
S16 - Keep away from sources of ignition - no smoking
S25 - Avoid contact with eyes

TRANSILON CEMENT K14

15. Regulatory Information - Continued

European Union (EU) Regulatory Information - Continued

S26 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice

S51 - Use only in well ventilated areas

WHMIS - Canada (Pictograms)



DSCL - Europe (Pictograms)



16. Other Information

NFPA Rating

Health: 2

Fire: 3

Reactivity: 1

HMIS Rating

Health: 2

Fire: 3

Reactivity: 1

Personal Protection: G

Revision/Preparer Information

This MSDS Supersedes A Previous MSDS Dated: 10/14/2003

Reference Documentation

Primary references used in the creation of this document:

- (1) Hazardous Substance Databank (HSDB) - acetone, tetrahydrofuran, DMAC
- (2) Registry of Toxic Effects of Chemical Substances (RTECS) - acetone, tetrahydrofuran, DMAC
- (3) Guide to Occupational Exposure Values - 2003, ACGIH.
- (4) CCINFO CHEMINFO database
- (5) Transilon Cement K14 MSDS (Siegling GmbH, 8/27/02)
- (6) Rapid Guide to Chemical Incompatibilities, 1997
- (7) Fire Protection Guide on Hazardous Materials

Other Information

Glossary -

ACGIH = American Conference of Governmental Industrial Hygienists

API = American Petroleum Institute

DOT = U.S. Department of Transportation

EPA = U.S. Environmental Protection Agency

HMIS = Hazardous Materials Information System

IARC = International Agency For Research On Cancer

MSHA = Mine Safety and Health Administration

NFPA = National Fire Protection Association

NIOSH = National Institute of Occupational Safety and Health

NTP = National Toxicology Program

OSHA = U.S. Occupational Safety & Health Administration

PEL = Permissible Exposure Limit (OSHA)

TRANSILON CEMENT K14

16. Other Information - Continued

Other Information - Continued

REL = Recommended Exposure Limit (NIOSH)

STEL = Short-Term Exposure Limit

TLV = Threshold Limit Value (ACGIH)

TWA = Time Weighted Average (8 hr.)

WHMIS = Canadian Workplace Hazardous Materials Information System

AP = approximately < = Less than > = Greater than

N/A = Not Applicable NE = Not Established ND = Not Determined

Disclaimer

Although reasonable care has been taken in the preparation of this document, we extend no warranties and make no representations as to the accuracy or completeness of the information contained therein, and assume no responsibility regarding the suitability of this information for the user's intended purposes or for the consequences of its use. Each individual should make a determination as to the suitability of the information for their particular purpose(s).

Siegling America, Inc.