



SAFETY DATA SHEET

in accordance with 29 CFR 1910.1200 and ANSI standard Z400.1-2010

Revision date: Aug/5/2016

Version: 3

Language: en-US

Date of print: Aug/11/2016

Repair Stick Aqua

Material number 105310

Page: 1 of 12

1. Product and company identification

Product identifier

Trade name: Repair Stick Aqua

Relevant identified uses of the substance or mixture and uses advised against

General use: Epoxy resin

Details of the supplier of the safety data sheet

Company name: WEICON Inc.

Street/POB-No.: 20 Steckle Place, Unit 20

Postal Code, city: Kitchener, Ontario N2E 2C3, CA

WWW: www.weicon.ca

E-mail: info@weicon.ca

Telephone: +1-519-896-5252

Telefax: +1-519-896-5254

Dept. responsible for information:

Product-Safety-Department

Telephone: +49(0)251 / 9322 - 0, Email: msds@weicon.de

Emergency phone number

EMERGENCY CONTACT – USA (24h): Tel: ++1 202 464 2554

Transport:

TRANSPORT EMERGENCY CONTACT - USA (24h): Tel: ++1 202 464 2554

2. Hazards identification

Emergency overview

Appearance: Physical state at 68 °F and 101.3 kPa: liquid

Form: pasty

Color: green-white

Odor: slightly perceptible

Classification: Skin Irritation - Category 2; Eye Irritation - Category 2A; Sensitization - skin - Category 1; Aquatic toxicity - chronic - Category 3;

Hazard symbols:



Signal word:

Warning

Hazard statements:

Causes skin irritation.

May cause an allergic skin reaction.

Causes serious eye irritation.

Harmful to aquatic life with long lasting effects.



SAFETY DATA SHEET

in accordance with 29 CFR 1910.1200 and ANSI standard Z400.1-2010

Revision date: Aug/5/2016

Version: 3

Language: en-US

Date of print: Aug/11/2016

Repair Stick Aqua

Material number 105310

Page:

2 of 12

Precautionary statements: Keep out of reach of children.
Avoid breathing dust/fume/gas/mist/vapors/spray.
Wash hands and face thoroughly after handling.
Contaminated work clothing should not be allowed out of the workplace.
Avoid release to the environment.
Wear protective gloves/protective clothing/eye protection/face protection.
IF ON SKIN: Wash with plenty of water/soap.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Specific treatment (see 'First aid' on this label).
If skin irritation or rash occurs: Get medical advice/attention.
If eye irritation persists: Get medical advice/attention.
Take off contaminated clothing.
Take off contaminated clothing.
Dispose of contents/container to hazardous or special waste collection point.

Regulatory status

This material is considered hazardous by the U.S. OSHA Hazard Communication Standard (29 CFR 1910.1200) and SIMDUT in Canada.

Hazards not otherwise classified

see section 11: Toxicological information

3. Composition / Information on ingredients

Relevant ingredients:

CAS No.	Designation	Content	Classification
CAS 14807-96-6	Talcum	20 - 50 %	not applicable
CAS 25068-38-6	Reaction product: Bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight <=700)	20 - 25 %	Skin Irritation - Category 2. Eye Irritation - Category 2A. Sensitization - skin - Category 1. Aquatic toxicity - chronic - Category 2.
CAS 13463-67-7	Titanium dioxide	5 - 10 %	not applicable
CAS 108-95-2	Phenol	< 1 %	Acute Toxicity - oral - Category 3. Acute Toxicity - dermal - Category 3. Acute Toxicity - inhalative - Category 3. Skin Corrosion - Category 1B. Germ cell mutagenicity - Category 2. Specific Target Organ Toxicity (Repeated Exposure) - Category 2.

4. First aid measures

General information: Remove all contaminated clothes and footwear immediately unless stuck to skin.
Wash contaminated clothing before reuse.

In case of inhalation: Provide fresh air.
Immediately get medical attention.



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in accordance with 29 CFR 1910.1200 and ANSI standard Z400.1-2010

Revision date: Aug/5/2016

Version: 3

Language: en-US

Date of print: Aug/11/2016

Repair Stick Aqua

Material number 105310

Page:

3 of 12

- Following skin contact: After contact with skin, wash immediately with soap and plenty of water.
In case of skin reactions, consult a physician.
Do not use solvents or diluting agents for skin cleaning.
- After eye contact: Immediately flush eyes with plenty of flowing water for 10 to 15 minutes holding eyelids apart. Remove contact lenses, if present and easy to do. Continue rinsing.
Subsequently seek the immediate attention of an ophthalmologist.
- After swallowing: Do not induce vomiting.
Immediately get medical attention.
Rinse mouth and drink large quantities of water.
Never give anything by mouth to an unconscious person.

Most important symptoms/effects, acute and delayed

Causes skin irritation. May cause an allergic skin reaction. Causes serious eye irritation.
Vomiting.

Information to physician

Treat symptomatically.

5. Fire fighting measures

Flash point/flash point range:

> 212 °F

Auto-ignition temperature: not determined

Suitable extinguishing media:

Alcohol resistant foam, dry extinguishing powder, carbon dioxide.

Extinguishing media which must not be used for safety reasons:

Water

Specific hazards arising from the chemical

In case of fire may be liberated: nitrogen oxides (NO_x), carbon monoxide and carbon dioxide.

Protective equipment and precautions for firefighters:

Wear a self-contained breathing apparatus and chemical protective clothing.

Additional information:

Cool exposed containers with water spray. Do not allow fire water to penetrate into surface or ground water.

6. Accidental release measures

Personal precautions:

Provide adequate ventilation. Wear appropriate protective equipment. Keep unprotected people away.

Avoid contact with skin, eyes, and clothing. Take off contaminated clothing and wash it before reuse.

Environmental precautions:

Do not allow to penetrate into soil, waterbodies or drains.

If necessary notify appropriate authorities.

Methods for clean-up:

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents) and place in closed containers for disposal.

Additional information:

Take precautionary measures against static discharges.



SAFETY DATA SHEET

in accordance with 29 CFR 1910.1200 and ANSI standard Z400.1-2010

Revision date: Aug/5/2016
Version: 3
Language: en-US
Date of print: Aug/11/2016

Repair Stick Aqua

Material number 105310

Page: 4 of 12

7. Handling and storage

Handling

Advices on safe handling: Provide adequate ventilation, and local exhaust as needed.
Do not breathe vapor or spray. Wear appropriate protective equipment.
Avoid contact with skin and eyes. Take off contaminated clothing and wash it before reuse.
When using do not eat, drink or smoke.

Precautions against fire and explosion: Take care of general rules for industrial preventive fire protection.

Storage

Requirements for storerooms and containers: Keep container tightly closed in a cool, well-ventilated place. Keep container dry. Protect from heat and direct sunlight.

Hints on joint storage: Avoid contact with strong oxidizing agents, strong acids and amines.

8. Exposure controls / personal protection

Exposure guidelines

Occupational exposure limit values:

CAS No.	Designation	Type	Limit value
14807-96-6	Talcum	USA: ACGIH: TWA USA: NIOSH: TWA USA: OSHA: TWA	2 mg/m ³ respirable fraction 2 mg/m ³ 20 mppcf Containing less than 1% quartz
13463-67-7	Titanium dioxide	USA: ACGIH: TWA USA: OSHA: TWA	10 mg/m ³ 15 mg/m ³
108-95-2	Phenol	NIOSH: Ceiling USA: ACGIH: TWA USA: NIOSH: TWA USA: OSHA: TWA	60 mg/m ³ ; 15.6 ppm (May be absorbed through the skin.) 19 mg/m ³ ; 5 ppm (May be absorbed through the skin.) 19 mg/m ³ ; 5 ppm (May be absorbed through the skin.) 19 mg/m ³ ; 5 ppm (May be absorbed through the skin.)

Biological limit values:

CAS No.	Designation	Type	Limit value	Parameter	Sampling
108-95-2	Phenol	USA: ACGIH-BEI, urine	250 mg/g creatinine	phenol	end of exposure or end of shift

Engineering controls

Make sure there is sufficient air exchange and / or that working rooms are air suctioned.
See also information in chapter 7, section storage.

Personal protection equipment (PPE)

Eye/face protection: Tightly sealed goggles according to OSHA Standard - 29 CFR: 1910.133 or ANSI Z87.1-2010.

Skin protection: Wear suitable protective clothing.



SAFETY DATA SHEET

in accordance with 29 CFR 1910.1200 and ANSI standard Z400.1-2010

Revision date: Aug/5/2016

Version: 3

Language: en-US

Date of print: Aug/11/2016

Repair Stick Aqua

Material number 105310

Page:

5 of 12

Protective gloves according to OSHA Standard - 29 CFR: 1910.138.

Glove material: Nitrile rubber - Layer thickness: 0.4 mm.

Breakthrough time: > 60 min.

Observe glove manufacturer's instructions concerning penetrability and breakthrough time.

Respiratory protection: When vapors form, use respiratory protection.
Wear a dust mask, in case of excessive dust.
The filter class must be suitable for the maximum contaminant concentration (gas/vapor/aerosol/particulates) that may arise when handling the product.

General hygiene considerations:

Wash hands before breaks and after work.

Avoid contact with skin and eyes.

When using do not eat, drink or smoke.

Work place should be equipped with a shower and an eye rinsing apparatus.

9. Physical and chemical properties

Information on basic physical and chemical properties

Appearance:	Physical state at 68 °F and 101.3 kPa: liquid Form: pasty Color: green-white
Odor:	slightly perceptible
Odor threshold:	No data available
pH value:	not applicable
Melting point/freezing point:	not applicable
Initial boiling point and boiling range:	> 95 °F (approx. 1010 hPa)
Flash point/flash point range:	> 212 °F
Evaporation rate:	not applicable
Flammability:	not determined
Explosion limits:	LEL (Lower Explosion Limit): not determined UEL (Upper Explosive Limit): not determined
Vapor pressure:	at 68 °F: <= 5 hPa
Vapor density:	No data available
Density:	at 68 °F: approx. 2 g/mL
Water solubility:	insoluble
Partition coefficient: n-octanol/water:	No data available
Auto-ignition temperature:	not determined
Thermal decomposition:	No decomposition when used properly.
Viscosity, dynamic:	not applicable
Explosive properties:	not explosive
Oxidizing characteristics:	not applicable

10. Stability and reactivity

Reactivity:	No data available.
Chemical stability:	Product is stable under normal storage conditions.
Possibility of hazardous reactions	Reactions with acids and strong oxidizing agents.
Conditions to avoid:	Protect from excessive heat. Protect from moisture contamination.



SAFETY DATA SHEET

in accordance with 29 CFR 1910.1200 and ANSI standard Z400.1-2010

Repair Stick Aqua

Material number 105310

Revision date: Aug/5/2016

Version: 3

Language: en-US

Date of print: Aug/11/2016

Page: 6 of 12

Incompatible materials: Avoid contact with strong oxidizing agents, strong acids and amines.

Hazardous decomposition products:
In case of fire may be liberated: nitrogen oxides (NO_x), carbon monoxide and carbon dioxide..

Thermal decomposition: No decomposition when used properly.

11. Toxicological information

Toxicological tests

Toxicological effects: The statements are derived from the properties of the single components. No toxicological data is available for the product as such.

Acute toxicity (oral): Based on available data, the classification criteria are not met.
ATEmix calculated: > 5000 mg/kg.

Acute toxicity (dermal): Based on available data, the classification criteria are not met.
ATEmix calculated: > 5000 mg/kg.

Acute toxicity (inhalative): Based on available data, the classification criteria are not met.
ATEmix calculated: >20 mg/L.

Skin corrosion/irritation: Skin Irritation - Category 2 = Causes skin irritation.

Eye damage/irritation: Eye Irritation - Category 2A = Causes serious eye irritation.

Sensitisation to the respiratory tract: Lack of data.

Skin sensitisation: Sensitization - skin -
Category 1 = May cause an allergic skin reaction.

Germ cell mutagenicity/Genotoxicity: Lack of data.

Carcinogenicity: Lack of data.

Reproductive toxicity: Lack of data.

Effects on or via lactation: Lack of data.

Specific target organ toxicity (single exposure): Lack of data.

Specific target organ toxicity (repeated exposure): Lack of data.

Aspiration hazard: Lack of data.



SAFETY DATA SHEET

in accordance with 29 CFR 1910.1200 and ANSI standard Z400.1-2010

Repair Stick Aqua

Material number 105310

Revision date: Aug/5/2016

Version: 3

Language: en-US

Date of print: Aug/11/2016

Page: 7 of 12

Other information:

Information about phenol:

LD50 Rat, oral: > 650 mg/kg

LD50 Rat, dermal: > 660 mg/kg

LC50 Rat, inhalative: > 900 mg/m³/8h

For carcinogenic effects:

IARC Rating: Group 3

OSHA Carcinogen: not listed

NTP Rating: not listed

Information about Titanium dioxide:

LD50 Rat, oral: > 5000 mg/kg

LC50 Rat, inhalative: > 6,8 mg/L/4h

NOAEL Rat, chronic oral toxicity: 3500 mg/kg

NOAEC Rat, chronic inhalation toxicity: 10 mg/m³

For carcinogenic effects:

IARC Rating: Group 2B

OSHA Carcinogen: not listed

NTP Rating: not listed

Information about Talcum:

For carcinogenic effects:

IARC Rating: Group 3

OSHA Carcinogen: not listed

NTP Rating: not listed

Information about Bisphenol-A-epichlorhydrine resin:

LD50 Rat, oral: > 2000 mg/kg

LD50 Rat, dermal: > 2000 mg/kg



SAFETY DATA SHEET

in accordance with 29 CFR 1910.1200 and ANSI standard Z400.1-2010

Revision date: Aug/5/2016
Version: 3
Language: en-US
Date of print: Aug/11/2016

Repair Stick Aqua

Material number 105310

Page: 8 of 12

12. Ecological information

Ecotoxicity

Aquatic toxicity: Harmful to aquatic life with long lasting effects.

Information about Bisphenol-A-epichlorohydrine resin:

Fish toxicity:
LC50 Oncorhynchus mykiss: 1.2 mg/L/96h.

Daphnia toxicity:
EC50 Daphnia magna (Big water flea): 1.1-3.8 mg/L/48h (OECD 202).
NOEC Daphnia magna (Big water flea): 0.3 mg/L/21d (OECD 211).

Algae toxicity:
EC50 Scenedesmus capricornutum: 9.4 mg/L/72h.

Information about phenol:

Fish toxicity:
LC50 Poecilia reticulata: 21.93 mg/L/16 d

Daphnia toxicity:
EC50 Daphnia magna (Big water flea): 1.8 mg/L/48h.

Algae toxicity:
EC50 Scenedesmus capricornutum: 220.0 mg/L/96h.

Information about Titanium dioxide:

Fish toxicity:
LC0 Leuciscus idus: 1000 mg/L /48 h.
LC50 fish, freshwater: 1000 mg/L.
LC50 fish, marine water: 10000 mg/L.

Invertebrate toxicity:
EC50/LC50 Invertebrate fresh water species: 1000 mg/L.
EC50/LC50 Marine invertebrates: 10000 mg/L.

Algae toxicity:
EC50/LC50 algae, freshwater: 61 mg/L.
EC50/LC50 algae, marine water: 10000 mg/L.
EC10/LC10 or NOEC algae, freshwater: 12,7 mg/L.
EC10/LC10 or NOEC algae, marine water: 5600 mg/L.

Mobility in soil

No data available

Persistence and degradability

Further details: No data available

Additional ecological information

General information: Do not allow to enter into ground-water, surface water or drains.
Due to the insolubility of the product, its degradability and its toxicity for aquatic organisms can not be determined with conventional methods.
Do not allow uncontrolled discharge of product into the environment.

13. Disposal considerations

Product

Recommendation: Send to a hazardous waste incinerator facility under observation of official regulations.

Contaminated packaging

Recommendation: Dispose of waste according to applicable legislation.
Non-contaminated packages may be recycled.
Handle contaminated packages in the same way as the substance itself.



SAFETY DATA SHEET

in accordance with 29 CFR 1910.1200 and ANSI standard Z400.1-2010

Revision date: Aug/5/2016
Version: 3
Language: en-US
Date of print: Aug/11/2016

Repair Stick Aqua

Material number 105310

Page: 9 of 12

14. Transport information

USA: Department of Transportation (DOT)

Proper shipping name: Not restricted

Sea transport (IMDG)

Proper shipping name: Not restricted

Marine pollutant: no

Air transport (IATA)

Proper shipping name: Not restricted

Further information

No dangerous good in sense of these transport regulations.



SAFETY DATA SHEET

in accordance with 29 CFR 1910.1200 and ANSI standard Z400.1-2010

Revision date: Aug/5/2016
Version: 3
Language: en-US
Date of print: Aug/11/2016

Repair Stick Aqua

Material number 105310

Page: 10 of 12

15. Regulatory information

National regulations - U.S. Federal Regulations

Talcum:

TSCA Inventory: listed
TSCA HPVC: not listed
Carcinogen Status:
IARC Rating: Group 3
OSHA Carcinogen: not listed
NTP Rating: not listed
NIOSH Recommendations:
Occupational Health Guideline: 0584

Reaction product: Bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight <=700):

TSCA Inventory: listed; EPA flags XU
TSCA HPVC: not listed

Titanium dioxide:

TSCA Inventory: listed
TSCA HPVC: not listed
Carcinogen Status:
IARC Rating: Group 2B
OSHA Carcinogen: not listed
NTP Rating: not listed
NIOSH Recommendations:
Occupational Health Guideline: 0617

Phenol:

TSCA Inventory: listed
TSCA HPVC: not listed
Carcinogen Status:
IARC Rating: Group 3
OSHA Carcinogen: not listed
NTP Rating: not listed
Clean Air Act:
Hazardous Air Pollutants: Code XO
SOCMI Chemical: yes
Clean Water Act:
Hazardous Substances: RQ 1000 lbs.
Priority Pollutant: yes
Other Environmental Laws:
CERCLA: RQ 1000 lbs.
RCRA Hazardous Wastes: Code U188
RCRA Groundwater Monitoring: Methods 8040, 8270 / PQL 1, 10
SARA Title III Section 302, EHS: TPQ 500/10000 lbs. / RQ 1000 lbs.
SARA Title III Section 313, Toxic Release: Conc. 1.0% / Threshold Standard
NIOSH Recommendations:
Occupational Health Guideline: 0493



SAFETY DATA SHEET

in accordance with 29 CFR 1910.1200 and ANSI standard Z400.1-2010

Revision date: Aug/5/2016

Version: 3

Language: en-US

Date of print: Aug/11/2016

Repair Stick Aqua

Material number 105310

Page: 11 of 12

National regulations - U.S. State Regulations

Talcum:

California Proposition 65 code: not listed
Massachusetts Haz. Substance codes: 2,4 F5
Minnesota Haz. Substance:
Codes: AO - Ratings: --
Pennsylvania Haz. Substance code: -
Washington Air Contaminant:
TWA: 2mg
Wisconsin Hazardous Air Contaminant List (Appears on Table): A

Titanium dioxide:

California Proposition 65: cancer
Rhode Island HSL: listed

Phenol:

California Proposition 65 code: not listed
Delaware Air Quality Management List:
DRQ: 1000 - RQ State: Federal Regulations Apply
Idaho Air Pollutant List:
Title 585: AAC: 0.95 - EL: 1.27 - OEL: 19 - Title 586: -
Maine Hazardous Air Pollutants:
Me 2005: HAP - Hap Rpt: 2000
Massachusetts Haz. Substance codes: 2,4,5,6 *E* F6 F8 F9
Minnesota Haz. Substance:
Codes: ANO - Ratings: 8.45
- Status: Air Pollutant. Title III. TRI. Water Pollutant
New Jersey RTK Hazardous Substance:
DOT: 1671 - Sub No.: 1487 - TPQ: - EHS: Yes
New York List of Hazardous Substances:
RQ-Air: 1000 - RQ-Land: 1 - Note: No Note
Associated with this chemical.
Pennsylvania Haz. Substance code: E
Washington Air Contaminant:
TWA: 5 ppm - 19 mg
Skin: Protective measures should be taken to prevent or reduce skin absorption.

National regulations - Great Britain

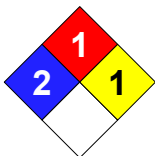
Hazchem-Code: -

16. Other information

Text for labeling:

Contains 20 - 50 % Talcum, 20 - 25 % Reaction product: Bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight <=700), 5 - 10 % Titanium dioxide, < 1 % Phenol. Safety data sheet available on request.

Hazard rating systems:



NFPA Hazard Rating:

Health: 2 (Moderate)
Fire: 1 (Slight)
Reactivity: 1 (Slight)

HMIS Version III Rating:

Health: 2 (Moderate)
Flammability: 1 (Slight)
Physical Hazard: 1 (Slight)
Personal Protection: X = Consult your supervisor

HEALTH	2
FLAMMABILITY	1
PHYSICAL HAZARD	1
	X

Reason of change:

Changes in section 1: General revision

Date of first version:

Jan/21/2016



SAFETY DATA SHEET

in accordance with 29 CFR 1910.1200 and ANSI standard Z400.1-2010

Repair Stick Aqua

Material number 105310

Revision date: Aug/5/2016

Version: 3

Language: en-US

Date of print: Aug/11/2016

Page: 12 of 12

Department issuing data sheet

Contact person: see section 1: Dept. responsible for information

The information in this data sheet has been established to our best knowledge and was up-to-date at time of revision. It does not represent a guarantee for the properties of the product described in terms of the legal warranty regulations.