

Safety Data Sheet

According to Regulation (EC) No. 1272/2008 (CLP) and (EC) No. 1907/2006 (REACH)

Initial preparation date: 08.02.2018

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Steel Reinforced Epoxy Resin - Syringe - Part A

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Product Name: Steel Reinforced Epoxy Resin - Syringe - Part A

Product code: 50165, 50176



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

Relevant identified uses: Not determined or not applicable.

Uses advised against: Not determined or not applicable.

Reasons why uses advised against: Not determined or not applicable.

1.3 Details of the manufacturer/supplier of the safety data sheet

Manufacturer:

United States

J-B Weld Company, LLC

1130 COMO ST.

SULPHUR SPRINGS, TX 75482

903-885-7696

info@jbweld.com

1.4 Emergency telephone number:

United States

CHEMTREC

Transportation Emergencies (24 hour): 800-424-9300 or

703-527-3887

Poison Control Centers (24 hour): medical emergencies 800-222-1222

SECTION 2: Hazard(s) identification

2.1 Classification of the substance or mixture:

Classification according to Regulation (EC) No. 1272/2008 (CLP):

Skin sensitization, category 1

Skin irritation, category 2

Eye irritation, category 2A

Chronic aquatic hazard, category 2

Hazard-determining components of labeling:

Epoxy Resin

Epoxy Resin

Liquid Additive

Liquid Additive

2.2 Label elements

Hazard pictograms:



Signal word: Warning

Hazard statements:

H317 May cause an allergic skin reaction.

H315 Causes skin irritation.

H315+H320 Causes skin and eye irritation.

H319 Causes serious eye irritation.

H411 Toxic to aquatic life with long lasting effects.

Precautionary statements:

P261 Avoid breathing dust/fume/gas/mist/vapors/spray.

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P272 Contaminated work clothing should not be allowed out of the workplace.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P264 Wash skin and eyes thoroughly after handling.
P273 Avoid release to the environment.
P321 Specific treatment (see supplemental first aid instructions on this label).
P363 Wash contaminated clothing before reuse
P302+P352 IF ON SKIN: Wash with plenty of soap and water.
P333+P313 If skin irritation or a rash occurs: Get medical advice/attention
P362+P364 Take off contaminated clothing and wash it before reuse.
P362 Take off contaminated clothing and wash before reuse
P332+P313 If skin irritation occurs: Get medical advice/attention
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+P313 If eye irritation persists get medical advice/attention
P391 Collect spillage
P501 Dispose of contents/container in accordance with local regulations.

2.3 Other hazards: None known

SECTION 3: Composition/information on ingredients

3.1 Substance: Not applicable.

3.2 Mixture:

Identification	Name	Classification according to Regulation (EC) No. 1272/2008 (CLP)	Weight %
CAS number: 1333-86-4 EC number: 215-609-9	Color Agent	Not classified	<1
CAS number: 14807-96-6 EC number: 238-877-9	Powder	Not classified	<5
CAS number: 2425-79-8 EC number: 219-371-7	Liquid Additive	Acute Tox. 4; H312 Acute Tox. 4; H332 Skin Sens. 1; H317 Skin Irrit. 2 ; H315 Eye Irrit. 2; H319	<15
CAS number: 2530-83-8 EC number: 219-784-2	Liquid Additive	Eye Dam. 1; H318	<2
CAS number: 67762-90-7	Powder	Not classified	<10
CAS number: 25068-38-6 EC number: 500-033-5	Epoxy Resin	Skin Sens. 1; H317 Skin Irrit. 2 ; H315 Eye Irrit. 2; H319 Aquatic Chronic 2; H411	<50
CAS number: 26139-75-3	Liquid Additive	Not classified	<2

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CAS number: 28064-14-4	Epoxy Resin	Skin Sens. 1; H317 Skin Irrit. 2 ; H315 Eye Irrit. 2; H319 Aquatic Chronic 2; H411	<35
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Additional information: None

Full Text of H and EUH statements: See section 16

SECTION 4: First aid measures

4.1 Description of first aid measures

General notes:

Not determined or not available.

Following inhalation:

Loosen clothing as necessary and position individual in a comfortable position

Maintain an unobstructed airway

Get medical advice/attention if you feel unwell

Following skin contact:

Rinse affected area with soap and water

If symptoms develop or persist, seek medical attention

Take off all contaminated clothing

Gently blot or brush away excess product

Wash with plenty of lukewarm, gently flowing water

Get medical advice if skin irritation occurs or you feel unwell

Following eye contact:

Rinse/flush exposed eye(s) gently using water for 15-20 minutes

If symptoms develop or persist, seek medical attention

Rinse eyes cautiously with lukewarm, gently flowing water for several minutes, while holding the eyelids open

Remove contact lenses, if present and easy to do so

Continue rinsing for 15-20 minutes

Get medical advice if eye irritation persists

Following ingestion:

Rinse mouth thoroughly

Seek medical attention if irritation, discomfort, or vomiting persists

4.2 Most important symptoms and effects, both acute and delayed

Acute symptoms and effects:

Not determined or not available.

Delayed symptoms and effects:

Not determined or not available.

4.3 Indication of any immediate medical attention and special treatment needed

Specific treatment:

Not determined or not available.

Notes for the doctor:

Not determined or not available

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media:

Use appropriate fire suppression agents for adjacent combustible materials or sources of ignition.

Unsuitable extinguishing media:

Not determined or not applicable.

5.2 Special hazards arising from the substance or mixture:

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Thermal decomposition can lead to release of irritating gases and vapors.

5.3 Advice for firefighters

Personal protection equipment:

Use typical firefighting equipment, self-contained breathing apparatus, special tightly sealed suit.

Special precautions:

Not determined or not applicable.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures:

Ensure adequate ventilation.

Ensure air handling systems are operational.

Wear protective eye wear, gloves and clothing.

6.2 Environmental precautions:

Should not be released into the environment.

Prevent from reaching drains, sewer or waterway.

6.3 Methods and material for containment and cleaning up:

Wear protective eye wear, gloves and clothing.

Absorb with non-combustible liquid-binding material (sand, diatomaceous earth (clay), acid binders, universal binders).

Dispose of contents / container in accordance with local regulations.

6.4 Reference to other sections:

Not determined or not applicable.

SECTION 7: Handling and storage

7.1 Precautions for safe handling:

Use only with adequate ventilation.

Avoid breathing mist or vapor.

Do not eat, drink, smoke or use personal products when handling chemical substances.

7.2 Conditions for safe storage, including any incompatibilities:

Keep container tightly sealed.

Protect from freezing and physical damage.

Store in a cool, well-ventilated area.

7.3 Specific end use(s):

Not determined or not applicable.

SECTION 8: Exposure controls/personal protection



8.1 Control parameters

Only those substances with limit values have been included below.

Occupational Exposure limit values:

Country (Legal Basis)	Substance	Identifier	Permissible concentration
Bulgaria	Powder	14807-96-6	TWA: 6.0 mg/m ³ (inhalable fraction)

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Country (Legal Basis)	Substance	Identifier	Permissible concentration
	Powder	14807-96-6	TWA: 3.0 mg/m ³ (respirable fraction)
Croatia	Color Agent	1333-86-4	Dangerous Substances Exposure Limit Values in the Workplace: 3.5 mg/m ³ (8hr); 7.0 mg/m ³ (15 min)
	Powder	14807-96-6	Maximum (8 hr) allowable concentration: 1 mg/m ³ (respirable dust)
Cyprus	Color Agent	1333-86-4	Control of factory atmosphere and dangerous substances in factories regulation: TWA 3.5 mg/m ³ (8 hr)
	Powder	14807-96-6	8-hour TWA: 706 particles/cm ³
Czech Republic	Color Agent	1333-86-4	Government Decree 361/2007 Sb.: TWA 2.0 mg/m ³ (8 hr)
	Powder	14807-96-6	8-hour TWA: 2.0 mg/m ³ (dust, respirable fraction, Fr ≤ 5%)
	Powder	14807-96-6	8-hour TWA: 10 mg/m ³ (dust, respirable fraction, Fr > 5%)
	Powder	14807-96-6	8-hour TWA: 10 mg/m ³ (dust, total concentration)
	Powder	14807-96-6	8-hour TWA: 5.0 mg/m ³ (polymeric material dust)
Poland	Color Agent	1333-86-4	Dz.U.Poz. 817/2014, Annex 1: TWA (NDS) 4.0 mg/m ³ (8 hr)
	Powder	14807-96-6	8-hour TWA (NDS): 4 mg/m ³ (inhalable fraction)
	Powder	14807-96-6	8-hour TWA (NDS): 1 mg/m ³ (respirable fraction)
Slovakia	Color Agent	1333-86-4	Regulation No. 355.2006 concerning protection of workers exposed to chemical agents, Annex 1: TWA (NPEL) 2.0 mg/m ³
	Powder	14807-96-6	8-hour TWA (NPEL): 2 mg/m ³ (respirable fraction, Fr ≤ 5%)
	Powder	14807-96-6	8-hour TWA: 2 mg/m ³ (respirable fraction, Fr > 5%)
Belgium	Color Agent	1333-86-4	Exposure Limit Value: TWA 3.5 mg/m ³ (8 hr)
	Powder	14807-96-6	8-hour TWA: 2 mg/m ³
	Powder	14807-96-6	8-hour TWA: 10 mg/m ³ (inhalable fraction)
	Powder	14807-96-6	8-hour TWA: 3 mg/m ³ (respirable fraction)
Denmark	Color Agent	1333-86-4	Exposure Limits for Substances & Materials: TWA 3.5 mg/m ³
Finland	Color Agent	1333-86-4	Workplace Exposure Limits: 3.5 mg/m ³ (8 hr); 7.0 mg/m ³ (15 min)
	Powder	14807-96-6	15-minute limit: 2 ppm (inhalable)
	Powder	14807-96-6	15-minute limit: 1 ppm (respirable)

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Country (Legal Basis)	Substance	Identifier	Permissible concentration
Estonia	Powder	14807-96-6	8-hour TWA: 10 mg/m ³ (total dust)
	Powder	14807-96-6	8-hour TWA: 5 mg/m ³ (fine dust)
	Powder	14807-96-6	8-hour TWA: 3 mg/m ³ (plastic)
	Powder	14807-96-6	8-hour TWA: 1 mg/m ³ (textile)
	Powder	14807-96-6	8-hour TWA: 5 mg/m ³ (organic dust, total dust)
France	Color Agent	1333-86-4	Threshold Limit Values (VLEP): Time weighted average (VME) 3.5 mg/m ³
	Powder	14807-96-6	Time weighted average (VME): 10 mg/m ³ (inhalable fraction)
	Powder	14807-96-6	Time weighted average (VME): 5 mg/m ³ (respirable fraction)
Greece	Color Agent	1333-86-4	Decree 307/1986: TWA 3,5mg/m ³ (8 hr); STEL 7.0 mg/m ³ (15 min)
	Powder	14807-96-6	8-hour TWA: 10 mg/m ³ (inhalable)
	Powder	14807-96-6	8-hour TWA: 2 mg/m ³ (respirable)
Ireland	Color Agent	1333-86-4	2016 Code of Practice for Chemical Agents Regulations 2001: TWA 3.0 mg/m ³ (8 hr) OEL
	Powder	14807-96-6	8-hour OEL (TWA): 10 mg/m ³ (total inhalable dust)
	Powder	14807-96-6	8-hour OEL (TWA): 0,8 mg/m ³ (respirable fraction)
Italy	Color Agent	1333-86-4	Legislative Decree n.81: TWA 3.0 mg/m ³ (8 hr)
	Powder	14807-96-6	8-hour TWA: 2 mg/m ³ (respirable fraction)
Portugal	Color Agent	1333-86-4	VLE: 3.5 mg/m ³ (8 hr)
	Powder	14807-96-6	NP 1796-2007 8-hour exposure limit: 2 mg/m ³ (respirable fraction)
Hungary	Powder	14807-96-6	8-hour TWA (ÁK Value): 2 mg/m ³ (respirable)
	Powder	14807-96-6	8-hour TWA (ÁK Value): 10 mg/m ³ (total, inhalable)
Spain	Color Agent	1333-86-4	VLA: VLA_ED 3.5 mg/m ³ (8 hr)
	Powder	14807-96-6	8-hour daily exposure limit (VLA_ED): 2 mg/m ³ (respirable fraction)
United Kingdom	Color Agent	1333-86-4	WEL: TWA 3.5 mg/m ³ ; STEL 7.0 mg/m ³
	Powder	14807-96-6	TWA: 1 mg/m ³ (respirable dust)
Latvia	Powder	14807-96-6	8-hour TWA: 4 mg/m ³ (tuff, pumice, perlite)
	Powder	14807-96-6	8-hour TWA: 2 mg/m ³ (natural and synthetic)
	Powder	14807-96-6	8-hour TWA: 5 mg/m ³ (polymers)

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Country (Legal Basis)	Substance	Identifier	Permissible concentration
	Powder	14807-96-6	8-hour TWA: 2 mg/m ³ (abrasive dusts)
	Powder	14807-96-6	8-hour TWA: 4 mg/m ³ (tal-like dust)
Lithuania	Powder	14807-96-6	8-hour TWA: 2 mg/m ³ (inhalable fraction)
	Powder	14807-96-6	8-hour TWA: 1 mg/m ³ (respirable fraction)
Romania	Powder	14807-96-6	8-hour TWA: 2 mg/m ³ (inhalable fraction)
Slovenia	Powder	14807-96-6	8-hour TWA: 2 mg/m ³ (Respirable fraction)
Germany	Powder	14807-96-6	AGW Limit value: 1,25 mg/m ³ (respirable fraction)
	Powder	14807-96-6	AGW limit value: 10 mg/m ³ (inhalable fraction)
	Powder	14807-96-6	AGW Short term (15 min) exposure limit: 20 mg/m ³ (inhalable fraction)
Netherlands	Powder	14807-96-6	8-hour TWA: 0.25 mg/m ³ (respirable)
Sweden	Powder	14807-96-6	Level Limit Value (NGV): 2 mg/m ³ (total dust)
	Powder	14807-96-6	Level Limit Value (NGV): 1 mg/m ³ (respirable dust)

Biological limit values:

No biological exposure limits noted for the ingredient(s).

Derived No Effect Level (DNEL):

Not determined or not applicable.

Predicted No Effect Concentration (PNEC):

Not determined or not applicable.

Information on monitoring procedures:

Monitoring of the concentration of substances in the breathing zone of workers or in the general workplace may be required to confirm compliance with an OEL and adequacy of exposure controls
Biological monitoring may also be appropriate for some substances

8.2 Exposure controls

Appropriate engineering controls:

Emergency eye wash fountains and safety showers should be available in the immediate vicinity of use or handling.

Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapor and mists below the applicable workplace exposure limits (Occupational Exposure Limits-OELs) indicated above.

Personal protection equipment

Eye and face protection:

Safety goggles or glasses, or appropriate eye protection.

Skin and body protection:

Select glove material impermeable and resistant to the substance.

Wear appropriate clothing to prevent any possibility of skin contact.

Respiratory protection:

If engineering controls do not maintain airborne concentrations below recommended exposure limits

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(where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn.

General hygienic measures:

- Avoid contact with skin, eyes and clothing.
- Wash hands before breaks and at the end of work.
- Wash contaminated clothing before reuse.

Environmental exposure controls:

- Select controls based on a risk assessment of local conditions.
- See section 6 for information on accidental release measures.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance	Blue liquid
Odor	Not available
Odor threshold	Not available
pH	Not available
Melting point/freezing point	Not available
Initial boiling point/range	Not available
Flash point (closed cup)	93.3°C (200°F)
Evaporation rate	Not available
Flammability (solid, gas)	Not available
Upper flammability/explosive limit	Not available
Lower flammability/explosive limit	Not available
Vapor pressure	Not available
Vapor density	Not available
Density	1.2
Relative density	Not available
Solubilities	Not determined or not available.
Partition coefficient (n-octanol/water)	Not available
Auto/Self-ignition temperature	Not available
Decomposition temperature	Not available
Dynamic viscosity	Not available
Kinematic viscosity	Not available
Explosive properties	Not available
Oxidizing properties	Not available

9.2 Other information

SECTION 10: Stability and reactivity

10.1 Reactivity:

Does not react under normal conditions of use and storage.

10.2 Chemical stability:

Stable under normal conditions of use and storage.

10.3 Possibility of hazardous reactions:

None under normal conditions of use and storage.

10.4 Conditions to avoid:

None known.

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10.5 Incompatible materials:

None known.

10.6 Hazardous decomposition products:

None known.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Assessment: Based on available data, the classification criteria are not met.

Product data: No data available.

Substance data:

Name	Route	Result
Liquid Additive	dermal	LD50 - Rabbit - 1,130 mg/kg

Skin corrosion/irritation

Assessment: Causes skin irritation

Product data:

No data available.

Substance data:

Name	Result
Liquid Additive	Causes skin irritation.
Epoxy Resin	Causes skin irritation. Causes skin irritation

Serious eye damage/irritation

Assessment: Causes serious eye irritation

Product data:

No data available.

Substance data:

Name	Result
Liquid Additive	Causes serious eye damage. Causes serious eye irritation.
Epoxy Resin	Causes serious eye irritation. Causes eye irritation

Respiratory or skin sensitization

Assessment: May cause an allergic skin reaction

Product data:

No data available.

Substance data:

Name	Result
Epoxy Resin	May cause an allergic skin reaction. Prolonged or repeated exposure may cause allergic reactions in certain sensitive individuals
Liquid Additive	May cause an allergic skin reaction.

Carcinogenicity

Assessment: Based on available data, the classification criteria are not met.

Product data: No data available.

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Substance data:

Name	Species	Result
Color Agent	Not applicable.	The carcinogenic classification only applies to airborne, unbound particles of respirable size.

International Agency for Research on Cancer (IARC):

Name	Classification
Powder	Group 3 - Not classifiable as to its carcinogenicity to humans
Color Agent	Group 2B - Possibly carcinogenic to humans

National Toxicology Program (NTP): None of the ingredients are listed.

Germ cell mutagenicity

Assessment: Based on available data, the classification criteria are not met.

Product data: No data available.

Substance data: No data available.

Reproductive Toxicity

Assessment: Based on available data, the classification criteria are not met.

Product data:

No data available.

Substance data: No data available.

Specific target organ toxicity (single exposure)

Assessment: Based on available data, the classification criteria are not met.

Product data:

No data available.

Substance data: No data available.

Specific target organ toxicity (repeated exposure)

Assessment: Based on available data, the classification criteria are not met.

Product data:

No data available.

Substance data: No data available.

Aspiration toxicity

Assessment: Based on available data, the classification criteria are not met.

Product data:

No data available.

Substance data: No data available.

Information on likely routes of exposure:

No data available.

Symptoms related to the physical, chemical and toxicological characteristics:

No data available.

Other information:

No data available.

SECTION 12: Ecological information

12.1 Toxicity

Acute (short-term) toxicity

Assessment: Based on available data, the classification criteria are not met.

Product data: No data available.

Substance data:

Name	Result
Epoxy Resin	EC50 - Scenedesmus capricornutum - 9 mg/L - 48 h

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Chronic (long-term) toxicity

Product data: No data available.

Substance data: No data available.

12.2 Persistence and degradability

Product data: No data available.

Substance data: No data available.

12.3 Bioaccumulative potential

Product data: No data available.

Substance data: No data available.

12.4 Mobility in soil

Product data: No data available.

Substance data: No data available.

12.5 Results of PBT and vPvB assessment

PBT assessment: This product does not contain any substances that are assessed to be a PBT.

vPvB assessment: This product does not contain any substances that are assessed to be a vPvB.

12.6 Other adverse effects: No data available.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Relevant information:

It is the responsibility of the waste generator to properly characterize all waste materials according to applicable regulatory entities

SECTION 14: Transport information

International Carriage of Dangerous Goods by Road/Rail (ADR/RID)

UN number	Not regulated
UN proper shipping name	Not regulated
UN transport hazard class(es)	None
Packing group	None
Environmental hazards	None
Special precautions for user	None

International Carriage of Dangerous Goods by Inland Waterways (ADN)

UN number	Not regulated
UN proper shipping name	Not regulated
UN transport hazard class(es)	None
Packing group	None
Environmental hazards	None
Special precautions for user	None

International Maritime Dangerous Goods (IMDG)

UN number	Not Regulated
UN proper shipping name	Not Regulated
UN transport hazard class(es)	None
Packing group	None
Environmental hazards	None

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Special precautions for user	None
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International Air Transport Association Dangerous Goods Regulations (IATA-DGR)

UN number	Not Regulated
UN proper shipping name	Not Regulated
UN transport hazard class(es)	None
Packing group	None
Environmental hazards	None
Special precautions for user	None

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture.

European regulations

Inventory listing (EINECS):

25068-38-6	Epoxy Resin	Listed
1333-86-4	Color Agent	Listed
28064-14-4	Epoxy Resin	Not Listed
2425-79-8	Liquid Additive	Listed
2530-83-8	Liquid Additive	Listed
26139-75-3	Liquid Additive	Not Listed
67762-90-7	Powder	Not Listed
14807-96-6	Powder	Listed

REACH SVHC candidate list: Not determined.

REACH SVHC Authorizations: Not determined.

REACH Restriction: Not determined.

Water hazard class (WGK) (Product): Not determined.

Water hazard class (WGK) (Substance):

Ingredient Name	CAS	Class
Epoxy Resin	25068-38-6	2
Epoxy Resin	28064-14-4	Class 2
Liquid Additive	2425-79-8	1
Liquid Additive	2530-83-8	2
Powder	67762-90-7	Non-hazardous to water.
Powder	14807-96-6	Non-hazardous to water.

Other regulations

Germany MAK: 8-hour TWA: 0.3 mg/m³ (respirable fraction), 8-hour TWA: 4 mg/m³ (inhalable fraction)

15.2 Chemical Safety Assessment

No Chemical Safety Assessment has been carried out for this substance/mixture by the supplier.

SECTION 16: Other information

Indication of changes:

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Not applicable.

Abbreviations and Acronyms: None

Classification procedure:

Classification according to Regulation (EC) No. 1272/2008 (CLP)	Method Used
Skin sensitization, category 1	Calculation method
Skin irritation, category 2	Calculation method
Eye irritation, category 2A	Calculation method
Chronic aquatic hazard, category 2	Calculation method

Summary of classification in section 3:

Acute Tox. 4; H312	Acute toxicity (dermal), category 4
Acute Tox. 4; H332	Acute toxicity (inhalation), category 4
Skin Sens. 1; H317	Skin sensitization, category 1
Skin Irrit. 2 ; H315	Skin irritation, category 2
Eye Irrit. 2; H319	Eye irritation, category 2A
Eye Dam. 1; H318	Serious eye damage, category 1
Aquatic Chronic 2; H411	Chronic aquatic hazard, category 2

Summary of hazard statements in section 3:

H312	Harmful in contact with skin
H332	Harmful if inhaled
H317	May cause an allergic skin reaction
H315	Causes skin irritation
H319	Causes serious eye irritation
H318	Causes serious eye damage
H411	Toxic to aquatic life with long lasting effects

Disclaimer:

This product has been classified in accordance with EC No. 1272/2008 (CLP) and EC No. 1907/2006 (REACH). The information provided in this SDS is correct, to the best of our knowledge, based on information available. The information given is designed only as a guidance for safe handling, use, storage, transportation and disposal and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials, unless specified in the text. The responsibility to provide a safe workplace remains with the user.

NFPA: 2-0-0

HMIS: 2-0-0

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End of Safety Data Sheet

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Steel Reinforced Epoxy Hardener - Fast Cure - Syringe - Part B

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Product Name: Steel Reinforced Epoxy Hardener - Fast Cure - Syringe - Part B

Product code: 50176



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

Relevant identified uses: Not determined or not applicable.

Uses advised against: Not determined or not applicable.

Reasons why uses advised against: Not determined or not applicable.

1.3 Details of the manufacturer/supplier of the safety data sheet

Manufacturer:

United States

J-B Weld Company, LLC

1130 COMO ST.

SULPHUR SPRINGS, TX 75482

903-885-7696

info@jbweld.com

1.4 Emergency telephone number:

United States

CHEMTREC

Transportation Emergencies (24 hour): 800-424-9300 or

703-527-3887

Poison Control Centers (24 hour): medical emergencies 800-222-1222

SECTION 2: Hazard(s) identification

2.1 Classification of the substance or mixture:

Classification according to Regulation (EC) No. 1272/2008 (CLP):

Skin corrosion, category 1B

Skin sensitization, category 1

Acute aquatic hazard, category 2

Chronic aquatic hazard, category 2

Serious eye damage, category 1

Hazard-determining components of labeling:

Curing Agent

Amine

Amine

Amine

Amine

2.2 Label elements

Hazard pictograms:



Signal word: Danger

Hazard statements:

H314 Causes severe skin burns and eye damage.

H317 May cause an allergic skin reaction.

H318 Causes serious eye damage.

H401 Toxic to aquatic life.

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H411 Toxic to aquatic life with long lasting effects.

Precautionary statements:

P260 Do not breathe dust/fume/gas/mist/vapors/spray.

P264 Wash skin and eyes thoroughly after handling.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P261 Avoid breathing dust/fume/gas/mist/vapors/spray.

P272 Contaminated work clothing should not be allowed out of the workplace.

P273 Avoid release to the environment.

P310 Immediately call a POISON CENTER or doctor/physician.

P321 Specific treatment (see supplemental first aid instructions on this label).

P363 Wash contaminated clothing before reuse

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.

P302+P352 IF ON SKIN: Wash with plenty of soap and water.

P333+P313 If skin irritation or a rash occurs: Get medical advice/attention

P362+P364 Take off contaminated clothing and wash it before reuse.

P391 Collect spillage

P405 Store locked up.

P501 Dispose of contents/container in accordance with local regulations.

2.3 Other hazards: None known

SECTION 3: Composition/information on ingredients

3.1 Substance: Not applicable.

3.2 Mixture:

Identification	Name	Classification according to Regulation (EC) No. 1272/2008 (CLP)	Weight %
CAS number: 14807-96-6 EC number: 238-877-9	Talc Powder	Not classified	<2
CAS number: 112-57-2 EC number: 203-986-2	Amine	Acute Tox. 4; H302 Acute Tox. 4; H312 Skin Sens. 1; H317 Skin Corr. 1B; H314 Aquatic Chronic 2; H411	<1
CAS number: 67762-90-7	Powder Additive	Not classified	<6
CAS number: 90-72-2 EC number: 202-013-9	Amine	Acute Tox. 4; H302 Skin Irrit. 2 ; H315 Eye Irrit. 2; H319	<10
CAS number: 72244-98-5	Curing Agent	Skin Sens. 1; H317 Aquatic Chronic 3; H412	<70

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CAS number: 26139-75-3	Liquid Additive	Not classified	<15
CAS number: 68131-73-7 EC number: 268-626-9	Amine	Not classified	<5
CAS number: 4067-16-7 EC number: 223-775-9	Amine	Not classified	<5

Additional information: None

Full Text of H and EUH statements: See section 16

SECTION 4: First aid measures

4.1 Description of first aid measures

General notes:

Not determined or not available.

Following inhalation:

Loosen clothing as necessary and position individual in a comfortable position
Maintain an unobstructed airway
Get medical advice/attention if you feel unwell
Take precautions to ensure your own safety
Remove source of exposure or move person to fresh air and keep comfortable for breathing
Immediately call a POISON CONTROL CENTER or seek medical attention
If breathing has stopped, trained personnel should begin rescue breathing
Avoid mouth-to-mouth contact by using a barrier device
If the heart has stopped, immediately start cardiopulmonary resuscitation (CPR)

Following skin contact:

Rinse affected area with soap and water
If symptoms develop or persist, seek medical attention
Avoid direct contact and wear chemical protective clothing, if necessary
Immediately take off all contaminated clothing
Gently blot or brush away excess product
Rinse skin with lukewarm, gently flowing water until medical aid is available
Immediately call a POISON CONTROL CENTER or seek medical attention
Wash contaminated clothing before re-use or discard

Following eye contact:

Rinse/flush exposed eye(s) gently using water for 15-20 minutes
If symptoms develop or persist, seek medical attention
Avoid direct contact and wear chemical protective gloves, if necessary
Rinse eyes cautiously with lukewarm, gently flowing water for several minutes, while holding the eyelids open
Remove contact lenses, if present and easy to do so
Continue rinsing until medical aid is available
Immediately call a POISON CONTROL CENTER or seek medical attention

Following ingestion:

Rinse mouth thoroughly
Seek medical attention if irritation, discomfort, or vomiting persists
Immediately call a POISON CONTROL CENTER or seek medical attention
Do not induce vomiting and rinse mouth
If vomiting occurs naturally, lie on your side, in the recovery position
If breathing has stopped, trained personnel should begin rescue breathing

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Avoid mouth-to-mouth contact by using a barrier device

If the heart has stopped, immediately start cardiopulmonary resuscitation (CPR)

4.2 Most important symptoms and effects, both acute and delayed

Acute symptoms and effects:

Not determined or not available.

Delayed symptoms and effects:

Not determined or not available.

4.3 Indication of any immediate medical attention and special treatment needed

Specific treatment:

Not determined or not available.

Notes for the doctor:

Not determined or not available

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media:

Use appropriate fire suppression agents for adjacent combustible materials or sources of ignition.

Unsuitable extinguishing media:

Not determined or not applicable.

5.2 Special hazards arising from the substance or mixture:

Thermal decomposition can lead to release of irritating gases and vapors.

5.3 Advice for firefighters

Personal protection equipment:

Use typical firefighting equipment, self-contained breathing apparatus, special tightly sealed suit.

Special precautions:

Not determined or not applicable.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures:

Ensure adequate ventilation.

Ensure air handling systems are operational.

Wear protective eye wear, gloves and clothing.

6.2 Environmental precautions:

Should not be released into the environment.

Prevent from reaching drains, sewer or waterway.

6.3 Methods and material for containment and cleaning up:

Wear protective eye wear, gloves and clothing.

Absorb with non-combustible liquid-binding material (sand, diatomaceous earth (clay), acid binders, universal binders).

Dispose of contents / container in accordance with local regulations.

6.4 Reference to other sections:

Not determined or not applicable.

SECTION 7: Handling and storage

7.1 Precautions for safe handling:

Use only with adequate ventilation.

Avoid breathing mist or vapor.

Do not eat, drink, smoke or use personal products when handling chemical substances.

7.2 Conditions for safe storage, including any incompatibilities:

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Keep container tightly sealed.
Protect from freezing and physical damage.
Store in a cool, well-ventilated area.

7.3 Specific end use(s):

Not determined or not applicable.

SECTION 8: Exposure controls/personal protection



8.1 Control parameters

Only those substances with limit values have been included below.

Occupational Exposure limit values:

Country (Legal Basis)	Substance	Identifier	Permissible concentration
Bulgaria	Talc Powder	14807-96-6	TWA: 6.0 mg/m ³ (inhalable fraction)
	Talc Powder	14807-96-6	TWA: 3.0 mg/m ³ (respirable fraction)
Croatia	Talc Powder	14807-96-6	Maximum (8 hr) allowable concentration: 1 mg/m ³ (respirable dust)
Cyprus	Talc Powder	14807-96-6	8-hour TWA: 706 particles/cm ³
Czech Republic	Talc Powder	14807-96-6	8-hour TWA: 2.0 mg/m ³ (dust, respirable fraction, Fr ≤ 5%)
	Talc Powder	14807-96-6	8-hour TWA: 10 mg/m ³ (dust, respirable fraction, Fr > 5%)
	Talc Powder	14807-96-6	8-hour TWA: 10 mg/m ³ (dust, total concentration)
	Talc Powder	14807-96-6	8-hour TWA: 5.0 mg/m ³ (polymeric material dust)
Estonia	Talc Powder	14807-96-6	8-hour TWA: 10 mg/m ³ (total dust)
	Talc Powder	14807-96-6	8-hour TWA: 5 mg/m ³ (fine dust)
	Talc Powder	14807-96-6	8-hour TWA: 3 mg/m ³ (plastic)
	Talc Powder	14807-96-6	8-hour TWA: 1 mg/m ³ (textile)
	Talc Powder	14807-96-6	8-hour TWA: 5 mg/m ³ (organic dust, total dust)
Hungary	Talc Powder	14807-96-6	8-hour TWA (ÁK Value): 2 mg/m ³ (respirable)
	Talc Powder	14807-96-6	8-hour TWA (ÁK Value): 10 mg/m ³ (total, inhalable)
Latvia	Talc Powder	14807-96-6	8-hour TWA: 4 mg/m ³ (tuff, pumice, perlite)
	Talc Powder	14807-96-6	8-hour TWA: 2 mg/m ³ (natural and synthetic)
	Talc Powder	14807-96-6	8-hour TWA: 5 mg/m ³ (polymers)
	Talc Powder	14807-96-6	8-hour TWA: 2 mg/m ³ (abrasive dusts)

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Country (Legal Basis)	Substance	Identifier	Permissible concentration
	Talc Powder	14807-96-6	8-hour TWA: 4 mg/m ³ (tal-like dust)
Lithuania	Talc Powder	14807-96-6	8-hour TWA: 2 mg/m ³ (inhalable fraction)
	Talc Powder	14807-96-6	8-hour TWA: 1 mg/m ³ (respirable fraction)
Poland	Talc Powder	14807-96-6	8-hour TWA (NDS): 4 mg/m ³ (inhalable fraction)
	Talc Powder	14807-96-6	8-hour TWA (NDS): 1 mg/m ³ (respirable fraction)
Romania	Talc Powder	14807-96-6	8-hour TWA: 2 mg/m ³ (inhalable fraction)
Slovakia	Talc Powder	14807-96-6	8-hour TWA (NPEL): 2 mg/m ³ (respirable fraction, Fr ≤ 5%)
	Talc Powder	14807-96-6	8-hour TWA: 2 mg/m ³ (respirable fraction, Fr > 5 %)
Slovenia	Talc Powder	14807-96-6	8-hour TWA: 2 mg/m ³ (Respirable fraction)
Belgium	Talc Powder	14807-96-6	8-hour TWA: 2 mg/m ³
	Talc Powder	14807-96-6	8-hour TWA: 10 mg/m ³ (inhalable fraction)
	Talc Powder	14807-96-6	8-hour TWA: 3 mg/m ³ (respirable fraction)
Finland	Talc Powder	14807-96-6	15-minute limit: 2 ppm (inhalable)
	Talc Powder	14807-96-6	15-minute limit: 1 ppm (respirable)
France	Talc Powder	14807-96-6	Time weighted average (VME): 10 mg/m ³ (inhalable fraction)
	Talc Powder	14807-96-6	Time weighted average (VME): 5 mg/m ³ (respirable fraction)
Germany	Talc Powder	14807-96-6	AGW Limit value: 1.25 mg/m ³ (respirable fraction)
	Talc Powder	14807-96-6	AGW limit value: 10 mg/m ³ (inhalable fraction)
	Talc Powder	14807-96-6	AGW Short term (15 min) exposure limit: 20 mg/m ³ (inhalable fraction)
Greece	Talc Powder	14807-96-6	8-hour TWA: 10 mg/m ³ (inhalable)
	Talc Powder	14807-96-6	8-hour TWA: 2 mg/m ³ (respirable)
Ireland	Talc Powder	14807-96-6	8-hour OEL (TWA): 10 mg/m ³ (total inhalable dust)
	Talc Powder	14807-96-6	8-hour OEL (TWA): 0.8 mg/m ³ (respirable fraction)
Italy	Talc Powder	14807-96-6	8-hour TWA: 2 mg/m ³ (respirable fraction)
Netherlands	Talc Powder	14807-96-6	8-hour TWA: 0.25 mg/m ³ (respirable)

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Country (Legal Basis)	Substance	Identifier	Permissible concentration
Spain	Talc Powder	14807-96-6	8-hour daily exposure limit (VLA_ED): 2 mg/m ³ (respirable fraction)
Sweden	Talc Powder	14807-96-6	Level Limit Value (NGV): 2 mg/m ³ (total dust)
	Talc Powder	14807-96-6	Level Limit Value (NGV): 1 mg/m ³ (respirable dust)
United Kingdom	Talc Powder	14807-96-6	TWA: 1 mg/m ³ (respirable dust)
Portugal	Talc Powder	14807-96-6	NP 1796-2007 8-hour exposure limit: 2 mg/m ³ (respirable fraction)

Biological limit values:

No biological exposure limits noted for the ingredient(s).

Derived No Effect Level (DNEL):

Not determined or not applicable.

Predicted No Effect Concentration (PNEC):

Not determined or not applicable.

Information on monitoring procedures:

Monitoring of the concentration of substances in the breathing zone of workers or in the general workplace may be required to confirm compliance with an OEL and adequacy of exposure controls
Biological monitoring may also be appropriate for some substances

8.2 Exposure controls

Appropriate engineering controls:

Emergency eye wash fountains and safety showers should be available in the immediate vicinity of use or handling.

Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapor and mists below the applicable workplace exposure limits (Occupational Exposure Limits-OELs) indicated above.

Personal protection equipment

Eye and face protection:

Safety goggles or glasses, or appropriate eye protection.

Skin and body protection:

Select glove material impermeable and resistant to the substance.

Wear appropriate clothing to prevent any possibility of skin contact.

Respiratory protection:

If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn.

General hygienic measures:

Avoid contact with skin, eyes and clothing.

Wash hands before breaks and at the end of work.

Wash contaminated clothing before reuse.

Environmental exposure controls:

Select controls based on a risk assessment of local conditions.

See section 6 for information on accidental release measures.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance	White liquid
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Odor	Not available
Odor threshold	Not available
pH	Not available
Melting point/freezing point	Not available
Initial boiling point/range	Not available
Flash point (closed cup)	148.89°C (300°F)
Evaporation rate	Not available
Flammability (solid, gas)	Not available
Upper flammability/explosive limit	Not available
Lower flammability/explosive limit	Not available
Vapor pressure	Not available
Vapor density	Not available
Density	1.1
Relative density	Not available
Solubilities	Not determined or not available.
Partition coefficient (n-octanol/water)	Not available
Auto/Self-ignition temperature	Not available
Decomposition temperature	Not available
Dynamic viscosity	Not available
Kinematic viscosity	Not available
Explosive properties	Not available
Oxidizing properties	Not available

9.2 Other information

SECTION 10: Stability and reactivity

10.1 Reactivity:

Does not react under normal conditions of use and storage.

10.2 Chemical stability:

Stable under normal conditions of use and storage.

10.3 Possibility of hazardous reactions:

None under normal conditions of use and storage.

10.4 Conditions to avoid:

None known.

10.5 Incompatible materials:

None known.

10.6 Hazardous decomposition products:

None known.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Assessment: Based on available data, the classification criteria are not met.

Product data: No data available.

Substance data:

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Name	Route	Result
Amine	oral	LD50 - Rat - 1,200 mg/kg

Skin corrosion/irritation

Assessment: Causes severe skin burns and eye damage

Product data:

No data available.

Substance data:

Name	Result
Amine	Causes severe skin burns and eye damage.
	Causes skin irritation.
	Causes severe skin burns and eye damage.
	Causes severe skin burns and eye damage.

Serious eye damage/irritation

Assessment: Causes serious eye damage

Product data:

No data available.

Substance data:

Name	Result
Amine	Causes serious eye irritation.

Respiratory or skin sensitization

Assessment: May cause an allergic skin reaction

Product data:

No data available.

Substance data:

Name	Result
Curing Agent	May cause an allergic skin reaction.
Amine	May cause an allergic skin reaction.
	May cause an allergic skin reaction.
	May cause an allergic skin reaction.

Carcinogenicity

Assessment: Based on available data, the classification criteria are not met.

Product data: No data available.

Substance data: No data available.

International Agency for Research on Cancer (IARC):

Name	Classification
Talc Powder	Group 3 - Not classifiable as to its carcinogenicity to humans

National Toxicology Program (NTP): None of the ingredients are listed.

Germ cell mutagenicity

Assessment: Based on available data, the classification criteria are not met.

Product data: No data available.

Substance data: No data available.

Reproductive Toxicity

Assessment: Based on available data, the classification criteria are not met.

Product data:

No data available.

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Substance data: No data available.

Specific target organ toxicity (single exposure)

Assessment: Based on available data, the classification criteria are not met.

Product data:

No data available.

Substance data: No data available.

Specific target organ toxicity (repeated exposure)

Assessment: Based on available data, the classification criteria are not met.

Product data:

No data available.

Substance data: No data available.

Aspiration toxicity

Assessment: Based on available data, the classification criteria are not met.

Product data:

No data available.

Substance data: No data available.

Information on likely routes of exposure:

No data available.

Symptoms related to the physical, chemical and toxicological characteristics:

No data available.

Other information:

No data available.

SECTION 12: Ecological information

12.1 Toxicity

Acute (short-term) toxicity

Assessment: Toxic to aquatic life

Product data: No data available.

Substance data: No data available.

Chronic (long-term) toxicity

Product data: No data available.

Substance data:

Name	Result
Curing Agent	NOEC - Daphnia magna (Water flea) - 3.5 mg/L - 21 d

12.2 Persistence and degradability

Product data: No data available.

Substance data: No data available.

12.3 Bioaccumulative potential

Product data: No data available.

Substance data: No data available.

12.4 Mobility in soil

Product data: No data available.

Substance data: No data available.

12.5 Results of PBT and vPvB assessment

PBT assessment: This product does not contain any substances that are assessed to be a PBT.

vPvB assessment: This product does not contain any substances that are assessed to be a vPvB.

12.6 Other adverse effects: No data available.

SECTION 13: Disposal considerations

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13.1 Waste treatment methods

Relevant information:

It is the responsibility of the waste generator to properly characterize all waste materials according to applicable regulatory entities

SECTION 14: Transport information


International Carriage of Dangerous Goods by Road/Rail (ADR/RID)

UN number	Not regulated
UN proper shipping name	Not regulated
UN transport hazard class(es)	None
Packing group	None
Environmental hazards	None
Special precautions for user	None


International Carriage of Dangerous Goods by Inland Waterways (ADN)

UN number	Not regulated
UN proper shipping name	Not regulated
UN transport hazard class(es)	None
Packing group	None
Environmental hazards	None
Special precautions for user	None

International Maritime Dangerous Goods (IMDG)

UN number	UN 1760
UN proper shipping name	Corrosive Liquid, N.O.S. Amine
UN transport hazard class(es)	8 
Packing group	I
Environmental hazards	None
Special precautions for user	None

International Air Transport Association Dangerous Goods Regulations (IATA-DGR)

UN number	UN 1760
UN proper shipping name	Corrosive Liquid, N.O.S. Amine
UN transport hazard class(es)	8 
Packing group	I
Environmental hazards	None
Special precautions for user	None

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture.

European regulations

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Inventory listing (EINECS):

72244-98-5	Curing Agent	Not Listed
26139-75-3	Liquid Additive	Not Listed
90-72-2	Amine	Listed
68131-73-7	Amine	Listed
4067-16-7	Amine	Listed
112-57-2	Amine	Listed
67762-90-7	Powder Additive	Not Listed
14807-96-6	Talc Powder	Listed

REACH SVHC candidate list: Not determined.

REACH SVHC Authorizations: Not determined.

REACH Restriction: Not determined.

Water hazard class (WGK) (Product): Not determined.

Water hazard class (WGK) (Substance):

Ingredient Name	CAS	Class
Curing Agent	72244-98-5	1
Amine	90-72-2	1
Amine	4067-16-7	Class 2
Amine	112-57-2	2
Powder Additive	67762-90-7	Non-hazardous to water.
Talc Powder	14807-96-6	Non-hazardous to water.

Other regulations

Germany MAK: 8-hour TWA: 0.3 mg/m³ (respirable fraction), 8-hour TWA: 4 mg/m³ (inhalable fraction)

15.2 Chemical Safety Assessment

No Chemical Safety Assessment has been carried out for this substance/mixture by the supplier.

SECTION 16: Other information

Indication of changes:

Not applicable.

Abbreviations and Acronyms: None

Classification procedure:

Classification according to Regulation (EC) No. 1272/2008 (CLP)	Method Used
Skin corrosion, category 1B	Calculation method
Skin sensitization, category 1	Calculation method
Acute aquatic hazard, category 2	Calculation method
Chronic aquatic hazard, category 2	Calculation method
Serious eye damage, category 1	Calculation method

Summary of classification in section 3:

Acute Tox. 4; H302	Acute toxicity (oral), category 4
Acute Tox. 4; H312	Acute toxicity (dermal), category 4
Skin Sens. 1; H317	Skin sensitization, category 1
Skin Corr. 1B; H314	Skin corrosion, category 1B
Aquatic Chronic 2; H411	Chronic aquatic hazard, category 2
Skin Irrit. 2 ; H315	Skin irritation, category 2

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Eye Irrit. 2; H319	Eye irritation, category 2A
Aquatic Chronic 3; H412	Chronic aquatic hazard, category 3

Summary of hazard statements in section 3:

H302	Harmful if swallowed
H312	Harmful in contact with skin
H317	May cause an allergic skin reaction
H314	Causes severe skin burns and eye damage
H411	Toxic to aquatic life with long lasting effects
H315	Causes skin irritation
H319	Causes serious eye irritation
H412	Harmful to aquatic life with long lasting effects

Disclaimer:

This product has been classified in accordance with EC No. 1272/2008 (CLP) and EC No. 1907/2006 (REACH). The information provided in this SDS is correct, to the best of our knowledge, based on information available. The information given is designed only as a guidance for safe handling, use, storage, transportation and disposal and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials, unless specified in the text. The responsibility to provide a safe workplace remains with the user.

NFPA: 3-0-0

HMIS: 3-0-0

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