



# SAFETY DATA SHEET

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

Revision date: Aug/5/2016

Version: 2

Language: en-US

Date of print: Aug/11/2016

## Plastic-Metal SF Hardener

Material number 102502

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### 1. Product and company identification

#### Product identifier

Trade name: Plastic-Metal SF Hardener

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

General use: Two-component epoxy resins, hardener component  
Reserved for industrial and professional use.

#### 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: Form: pasty  
Color: yellowish, white  
Odor: characteristic  
Classification: Skin Irritation - Category 2; Eye Irritation - Category 2A;  
Hazard symbols:



Signal word: **Warning**  
Hazard statements: Causes skin irritation.  
Causes serious eye irritation.

Precautionary statements: Keep out of reach of children.  
Wash hands and face thoroughly after handling.  
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 occurs: Get medical advice/attention.  
If eye irritation persists: Get medical advice/attention.  
Take off contaminated clothing.

#### Regulatory status

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



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### Hazards not otherwise classified

see section 11: Toxicological information

## 3. Composition / Information on ingredients

Chemical characterization: Formulated bisphenol A-epoxy resin

Relevant ingredients:

CAS No.	Designation	Content	Classification
CAS 90-72-2	2,4,6-tris (Dimethylaminomethyl) phenol	10 - 25 %	Acute Toxicity - oral - Category 4. Skin Irritation - Category 2. Eye Irritation - Category 2A.

## 4. First aid measures

General information:	First aider: Pay attention to self-protection! Take off immediately all contaminated clothing.
In case of inhalation:	Move victim to fresh air; if necessary, provide artificial respiration or oxygen. Keep airway open. Seek medical aid in case of troubles.
Following skin contact:	After contact with skin, wash immediately with soap and plenty of water. Take off immediately all contaminated clothing. Seek medical attention if irritation persists.
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. Consult an ophthalmologist.
After swallowing:	Do not induce vomiting. Aspiration hazard: in case of swallowing or vomiting danger of penetration into the lungs. Rinse mouth immediately and drink plenty of water. Never give anything by mouth to an unconscious person. Immediately get medical attention.

### Most important symptoms/effects, acute and delayed

Causes skin irritation. Causes serious eye irritation.

### Information to physician

Treat symptomatically.

## 5. Fire fighting measures

Flash point/flash point range:

> 212 °F (c.c.)

Auto-ignition temperature: No data available

Suitable extinguishing media:

Water fog, foam, dry chemical powder, carbon dioxide.

Extinguishing media which must not be used for safety reasons:

High power water jet.

### Specific hazards arising from the chemical

Hazardous vapors may form during fires.

In case of fire may be liberated: Nitrogen oxides (NO<sub>x</sub>), carbon monoxide and carbon dioxide.

Protective equipment and precautions for firefighters:

Wear self-contained positive pressure breathing apparatus and full firefighting protective clothing.



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Additional information: Cool endangered containers with water jetspray.  
Do not allow fire water to penetrate into surface or ground water.  
Do not inhale explosion and combustion gases.

## 6. Accidental release measures

Personal precautions: Provide adequate ventilation, and local exhaust as needed. Avoid contact with skin, eyes, and clothing. Do not breathe fume/gas/mist/vapors/spray. Wear respiratory protection when in the presence of vapor, dust, and aerosols. Wear appropriate protective equipment. Take off immediately all contaminated clothing.

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

Methods for clean-up: Take up with non-flammable, liquid binding material (e.g. sand/earth/diatomaceous earth/vermiculit) and perform disposal according to instructions.  
Dispose of in accordance with the regulations.

## 7. Handling and storage

### Handling

Advices on safe handling: Provide adequate ventilation, and local exhaust as needed. Avoid the formation of aerosol/vapors.  
Avoid contact with skin and eyes.  
Do not breathe fume/gas/mist/vapors/spray.  
Wear appropriate protective equipment.  
When using do not eat, drink or smoke.  
Take off immediately all contaminated clothing.

Precautions against fire and explosion: Keep away from sources of ignition - No smoking.  
Usual measures for fire prevention.

### 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. Store only in original container.

Hints on joint storage: Keep away from food, drink and animal feedingstuffs.  
Do not store together with acids/alkalies and oxidation agents.

## 8. Exposure controls / personal protection

### Engineering controls

Provide adequate ventilation, and local exhaust as needed.  
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.  
Protective gloves according to OSHA Standard - 29 CFR: 1910.138.  
Glove material: Neoprene.  
Observe glove manufacturer's instructions concerning penetrability and breakthrough time.



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Respiratory protection: When vapors form, use respiratory protection.  
The filter class must be suitable for the maximum contaminant concentration (gas/vapor/aerosol/particulates) that may arise when handling the product.  
If higher concentrations occur: Wear self-contained breathing apparatus.

General hygiene considerations:  
Avoid contact with skin and eyes.  
Take off immediately all contaminated clothing.  
When using do not eat or drink.  
Wash hands before breaks and immediately after handling the product.  
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:	Form: pasty Color: yellowish, white
Odor:	characteristic
Odor threshold:	not determined
pH value:	approx. 9
Melting point/freezing point:	No data available
Initial boiling point and boiling range:	No data available
Flash point/flash point range:	> 212 °F (c.c.)
Evaporation rate:	No data available
Flammability:	No data available
Explosion limits:	No data available
Vapor pressure:	No data available
Vapor density:	No data available
Density:	approx. 1 g/cm <sup>3</sup>
Water solubility:	partially soluble
Partition coefficient: n-octanol/water:	No data available
Auto-ignition temperature:	No data available
Thermal decomposition:	No data available
Additional information:	No data available

## 10. Stability and reactivity

Reactivity:	No data available
Chemical stability:	Stable under recommended storage conditions.
Possibility of hazardous reactions	Reactions with acids, alkalis and oxidizing agents
Conditions to avoid:	Keep away from heat sources, sparks and open flames. Protect against direct sunlight. Protect from moisture contamination.
Incompatible materials:	Oxidizing agents, acids, alkalis.
Hazardous decomposition products:	Toxic gases/vapours. Nitrogen oxides (NO <sub>x</sub> ), carbon monoxide and carbon dioxide.
Thermal decomposition:	No data available



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## 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):  $2000 < ATE \leq 5000$  mg/kg.  
Acute toxicity (dermal): Lack of data.  
Acute toxicity (inhalative): Lack of data.  
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: Lack of data.  
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.

Other information: Information about 2,4,6-tris(Dimethylaminomethyl)phenol:  
LD50, oral, Rat (OECD 401):  $> 1200$  mg/kg

### General remarks

Handle in accordance with good industrial hygiene and safety practice.

## 12. Ecological information

### Ecotoxicity

Further details: No data available

### Mobility in soil

No data available

### Persistence and degradability

Further details: No data available

### Additional ecological information

Volatile organic compounds (VOC):

0 % by weight

General information: Do not allow to enter into ground-water, surface water or drains.

## 13. Disposal considerations

### Product

Recommendation: Dispose of as hazardous waste in compliance with local and national regulations.

### Contaminated packaging

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



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### 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.

### 15. Regulatory information

#### National regulations - U.S. Federal Regulations

2,4,6-tris(Dimethylaminomethyl)phenol: TSCA Inventory: listed  
TSCA HPVC: not listed

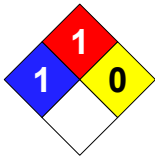
#### National regulations - Great Britain

Hazchem-Code: -

### 16. Other information

Text for labeling: Contains 10 - 25 % 2,4,6-tris(Dimethylaminomethyl)phenol. Safety data sheet available on request.

Hazard rating systems: NFPA Hazard Rating:  
Health: 1 (Slight)  
Fire: 1 (Slight)  
Reactivity: 0 (Minimal)



HMIS Version III Rating:  
Health: 1 (Slight)  
Flammability: 1 (Slight)  
Physical Hazard: 0 (Minimal)  
Personal Protection: X = Consult your supervisor

HEALTH	1
FLAMMABILITY	1
PHYSICAL HAZARD	0
	X

Reason of change: Changes in section 1: General revision

Date of first version: Apr/19/2016

#### 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.