

Weicon GmbH

Revision date: 24.10.2009

Revision no.:

1,00

Plastic-Metal F2 Resin

7619-0017

1. Product and Company Identification**Commercial product name**

Plastic-Metal F2 Resin

Further trade names

10200-2

Chemical characterization (Mixture)

Resin for a two-component epoxy adhesive.

Company/undertaking identification**Manufacturer**

Weicon GmbH

Königsberger Straße 255

D-48157 Münster

Telephone: +49 (0) 251 9322 - 0

Telefax: +49 (0) 251 9322 - 244

e-mail: info@weicon.de

Internet: www.weicon.de

Responsible for the safety data sheet: sds@gbk-ingelheim.de

2. Hazards Identification**Route(s) of Entry**

Skin and eye contact, inhalation and ingestion.

Signs and Symptoms of Exposure

WARNING !

May impair fertility.

May cause harm to the unborn child.

Irritating to eyes and skin.

May cause sensitization by skin contact

OSHA Hazard Communication: This material is considered hazardous by the OSHA Hazard Communication Standard 29CFR 1910.1200.

Carcinogenicity (NTP): not listed

Carcinogenicity (IARC): not listed

Carcinogenicity (OSHA): not listed

3. Composition/Information on Ingredients**Hazardous components**

CAS No.	Components	Quantity
7429-90-5	Aluminum powder (stabilized)	60 - 70 %
25068-38-6	epoxy resin (number average molecular weight <= 700), reaction product: bisphenol-A-(epichlorhydrin)	20 - 32 %

4. First Aid Measures**General information**

Remove contaminated soaked clothing immediately.

In the event of persistent symptoms receive medical treatment.

After inhalation

Move to fresh air in case of accidental inhalation of vapours or decomposition products.

In the event of symptoms refer for medical treatment.

After contact with skin

Wash off immediately with soap and plenty of water.

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Consult a doctor if skin irritation persists.

After contact with eyes

Rinse eyes immediately with large amounts of water for several minutes, especially under the eyelids.
Seek medical treatment by eye specialist.

After ingestion

Administer activated charcoal.
Summon a doctor immediately.
If swallowed by mistake drink plenty of water and seek medical treatment.

5. Fire Fighting Measures

Suitable extinguishing media

Foam
Dry fire-extinguishing substance
Carbon dioxide

Unsuitable extinguishing media

Full water jet

Special hazards arising from the chemical

Fire may produce:
Carbon monoxide (CO)
Carbon dioxide (CO₂)
Dense black smoke.

Protective equipment and precautions for firefighters

A self contained breathing apparatus should be worn in fire conditions.

Additional information

Fire residues and contaminated firefighting water must be disposed of in accordance with the local regulations.

6. Accidental Release Measures

Personal precautions

Use personal protective clothing.
Avoid dust formation.
Keep away sources of ignition.
Ensure adequate ventilation.

Environmental precautions

Clean contaminated surface thoroughly.
Do not discharge into the drains/surface waters/groundwater.
Do not discharge into the subsoil/soil.

Methods for cleaning up/taking up

Take up with absorbent material.
Shovel into suitable container for disposal.

7. Handling and Storage

Handling

Advice on safe handling

Keep in closed original container.
Use only in thoroughly ventilated areas.
Avoid contact with skin, eyes and clothing.
When using, do not eat, drink or smoke.

Advice on protection against fire and explosion

Keep away from sources of ignition - No smoking.
Take precautionary measures against static discharges.
Pay attention to general rules of internal fire prevention.

Storage

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Requirements for storage rooms and vessels

Keep container tightly closed in a dry, cool and well-ventilated place.

Storage temperature between 2°C to 40°C.

Protect from heat/overheating.

Advice on storage compatibility

Incompatible with:

Oxidizing agents, Amines, Acids and bases.

Further information on storage conditions

Do not store together with animal feedstuffs.

8. Exposure Controls/Personal Protection**Exposure limit values****Exposure limits**

CAS No.	Components	ppm	mg/m ³	fib/cc	Category	Origin
7429-90-5	Aluminum Metal (as Al) Respirable fraction	-	5		TWA (8 h)	PEL
	Aluminum metal and insoluble compounds		1		TWA (8 h)	TLV
	Aluminum powder (stabilized)				TWA (8 h)	

Additional advice on limit values

Contains epoxy compounds. Observe the instructions of the manufacturer

Occupational exposure controls

Ensure adequate ventilation, especially in confined areas.

Protective and hygiene measures

Do not inhale gases/vapours/aerosols.

Wash hands before breaks and immediately after handling the product.

When using, do not eat, drink or smoke.

Avoid contact with skin, eyes and clothing.

Remove and wash contaminated clothes before re-use.

Respiratory protection

In case of insufficient ventilation wear suitable respiratory equipment (gas filter type A).

Hand protection

Chemical protective gloves made of nitrile, nitrile/cotton, butyl or neoprene, with a minimum thickness of 0.7 mm, permeation time of approx. 480 minutes.

This recommendation refers exclusively to the chemical compatibility and the lab test conforming to EN 374 carried out under lab conditions.

Requirements can vary as a function of the use. Therefore it is necessary to adhere additionally to the recommendations given by the manufacturer of protective gloves. Glove material specification [make/type, thickness, permeation time/life, wetting resistance]: Polychloropren, 0,6 mm, 480 min., 30 min., i.e. protective glove <Camapren> made by www.kcl.de.

Eye protection

Tightly fitting goggles

Skin protection

Long sleeved clothing.

9. Physical and Chemical Properties**Appearance**

Form: Pasty

Color: Grey

Odor: Hardly noticeable

Important health, safety and environmental information

Test method

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Changes in the physical state

Boiling point:	>200 °C
Decomposition point:	>200 °C
Flash point:	>200 °C DIN 51758
Vapour pressure: (at 20 °C)	<0,0001 hPa
Density (at 25 °C):	2,1 g/cm ³
Water solubility: (at 20 °C)	Insoluble

10. Stability and Reactivity**Stability**

Stable

Conditions to avoid

To avoid thermal decomposition, do not overheat.

Keep away from heat.

Materials to avoid

Reactions with strong acids and alkalis.

Reactions with strong oxidizing agents.

Hazardous decomposition products

Carbon monoxide and carbon dioxide.

Toxic gases/vapours

Possibility of Hazardous Reactions

Will not occur

Additional information

No decomposition if stored and applied as directed.

11. Toxicological Information**Acute toxicity**

LD50/oral = >5000 mg/kg Rat

Corrosive and irritant effects

Skin irritation: Irritant Rabbit

Eye irritation : Irritant Rabbit eye

Sensitizing effects

Sensitization through skin contact possible.

Sensitization skin (guinea pig): Sensitizing

Empirical data on effects on humans

If appropriately handled and if in accordance with the general hygienic rules, no damages to health have become known.

12. Ecological Information**Persistence and degradability**

Not readily degradable

Further information

Do not discharge product unmonitored into the environment.

Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Product is not allowed to be discharged into aquatic environment.

13. Disposal Considerations**Advice on disposal**

Remove in accordance with local official regulations.

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Can be incinerated, when in compliance with local regulations.

Where possible recycling is preferred to disposal.

Empty containers may be recycled. Otherwise dispose of in accordance with applicable regulations.

Contaminated packaging

Empty containers should be taken for local recycling, recovery or waste disposal.

Contaminated packagings are to be treated like the product itself.

Contaminated packaging should be emptied as far as possible and after appropriate cleansing may be taken for reuse.

14. Transport Information**US DOT 49 CFR 172.101****Proper shipping name**

Environmentally hazardous substance, liquid, n.o.s. (Epoxy resin)

ID Number:	3082
Hazard Class or Division:	9
Packing group:	III
Label:	9

Land transport (ADR/RID)

UN number:	3082
ADR/RID class:	9
Classification Code:	M7
Warning plate	
Hazard-no.:	90
Hazard label:	9



ADR/RID packing group:	III
Limited quantity:	LQ27

Description of the goods

Environmentally hazardous substance, liquid, n.o.s. (Epoxy resin)

Other applicable information

Transport category: 3

Tunnel restriction code: E

Additional label with symbol "fish and tree" according to subsection 5.2.1.8.3. ADR for single packagings and inner packagings with > 5 kg or 5 L.

Marine transport

UN number:	3082
IMDG code:	9
Hazard label:	9



IMDG packing group:	III
EmS:	F-A; S-F
Limited quantity:	5 L / 30 kg

Description of the goods

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (cont. epoxy resin)

Other applicable information

Additional label with symbol "fish and tree" according to subsection 5.2.1. IMDG Code for single packagings

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and inner packagings with > 5 kg or 5 L.

Air transport

UN/ID number:	3082
ICAO/IATA-DGR:	9
Hazard label:	9



ICAO packing group:	III
Limited quantity Passenger:	Y914 / 30 kg G
IATA-packing instructions - Passenger:	914
IATA-max. quantity - Passenger:	450 L
IATA-packing instructions - Cargo:	914
IATA-max. quantity - Cargo:	450 L

Description of the goods

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (cont. epoxy resin)

Other applicable information

Additional label with symbol "fish and tree" according to subsection 7.1.6.3. IATA/DGR for single packagings and inner packagings with > 5 kg or 5 L.

15. Regulatory Information**U.S. Regulations****National Inventory TSCA**

All of the components are listed on the TSCA inventory.

SARA

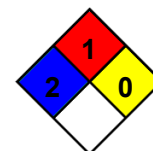
To the best of our knowledge this product contains no toxic chemicals subject to the supplier notification requirements of Section 313 of the Superfund Amendments and Reauthorization Act (SARA/EPCRA) and the requirements of 40 CFR Part 372.

16. Other Information**Hazardous Materials Information Label (HMIS)**

Health:	*2
Flammability:	1
Physical Hazard:	0

NFPA Hazard Ratings

Health:	2
Flammability:	1
Reactivity:	0
Unique Hazard:	

**Other data**

Data of sections 4 to 8, as well as 10 to 12, do not necessarily refer to the use and the regular handling of the product (in this sense consult package leaflet and expert information), but to release of major amounts in case of accidents and irregularities.

The information describes exclusively the safety requirements for the product (s) and is based on the present level of our knowledge.

The delivery specifications are contained in the corresponding product sheet.

This data does not constitute a guarantee for the characteristics of the product(s) as defined by the legal warranty regulations.

"(n.a. = not applicable; n.d. = not determined)"

(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)