Material Safety Data Sheet *91 / 155 / CEE*

1- Product and company identification
Trade name: **SG 715**
Epoxy resin

Manufacturer / Supplier:
SICOMIN Composites
RN 568 BP 23
13 161 Châteauneuf-les-Martigues Cédex - France
Phone: 33.(0)4.42.42.30.20 Fax: 33.(0)4.42.81.29.29 composites@sicomin.com

2- Composition / Information on ingredients
Chemical characterization: Epoxy resin blend

CAS Number	*Chemical Name:*	%	Symbol	Risk Classification
25068-38-6	Bisphenol A Diglycidyléther (DGEBA)	> 50	Xi, N	36/38 43 51/53
	Epoxide derivatives mw < 700	10-30	Xi, N	36/38 43 51/53

3- Hazards Identification
Hazard designation:

 Xi: Irritant  N: Environmentally hazardous substance

R 36/38 Irritating to eyes and skin
R 43: May cause sensitization by skin contact
R 51/53: Harmful to aquatic organism, may cause long term adverse effects in aquatic environment

Additional information:
The residue of epichlorohydrin corresponds to the recommendations of APME: modified epoxy resins < 10 ppm (0.001 %)

4- First aid measures
After inhalation:
Supply fresh air and call for doctor for safety reasons. In case of unconsciousness bring patient into stable side position for transport.
After skin contact:
Instantly wash with water and soap and rinse thoroughly
After eye contact:
Rinse opened eye for several minutes under running water. Seek immediate medical advice
After swallowing:
In case of persistant symptoms consult doctor.

5- Fire fighting measures
Suitable extinguihing agents:
CO2, extinguihing powder or water jet. Fight larger fires with water jet or alcohol resistant foam
Products to avoid:
Water with a full water jet
Special hazards caused by the material, its products of combustion or resulting gases:
Can be release in case of fire
Carbon monoxide (CO). Under certain fire conditions, traces of other toxic gases cannot be excluded, eg hydrogen chloride (Hcl)
Protective equipment:
Wear full protective suit and self-contained breathing apparatus

6-Accidental release measures
Person-related safety precautions:
Wear protective equipment. Keep unprotected persons away.
Measures for environmental protection:
Do not allow product to reach sewage system or water bodies.
Do not allow to enter the ground / soil
Measures for cleanning / collecting:
Absorb with liquid-binding material: sand, diatomite, acid binders, universal binders, sawdust.

7- Handling and storring
Information for safe handling:
Store in well ventilated area, dry place in tightly closed containers.
Information about protection against explosions and fires:
No special measures required
Requirements to be met by storerooms and containers:
Prevent any penetration into the ground
Further information about storage conditions:
Keep container tightly sealed

8- Exposure controls / personal protection
Additional information about design of technical systems:
No further data, see item 7
Personal protective equipment
General protective and hygienic measures:
Take off immedietely all contaminated clothing
Wash hands during breaks and at the end of the work
Avoid contact with the eyes and skin

Breathing equipment: Not necessary if room is well ventilated
Protection of hands: Plastic gloves
Eye protection: Tightly sealed safety glasses
Body: Protective work clothing

9- Chemical / Physical properties

Appearence	**: Gel**
Color	**:** White
Odour	**:** Weak, characteristic
Ph	**:** 7
Boiling point	**:** > 200 °C
Flash point	**:** >150 °C
Solubility in water	**:** Insoluble
Solubility in organic solvents	**:** Alcohols and aromatic hydrocarbons
Specific gravity (Kg/l 20°C)	**:** 1.15 to 1.17
Viscosity (mPa.s 25°C)	**:** Thixotropic
Vapour pressure (hpa /20°C)	**:** < 0.1

10- Stability and reactity data
Thermal decomposition / conditions to be avoided:
No decomposition if used according to specifications
Dangerous reactions:
May produce violent reactions with bases and numerous organic substances including alcohols and amines. Exothermic polymerisation
Dangerous products of decomposition:
Irritant gases / Vapours

11- Toxicological information

Acute toxicity / LD / LC 50 values that are relevant for classification:

25068-38-6 reaction product: bisphenol A / epichlorohydrin resin, MW < 700
Oral LD 50: 11400 mg/kg (rat) Dermal LD 50: > 2000 mg/kg (rabbit)

Primary irritant effect:

on the skin:

Irritant to skin and mucous membranes

on the eyes:

Irritant effect

Sensibilization:

Possible by skin contact

Additional toxicological information:

When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us

12- Ecological Information

General notes:

Do not allow product to reach underground or surface water or sewage

13- Disposal considerations

Recommendation:

Dispose of in accordance with local and national regulations, eg convey to a licensed incinerator

Uncleaned packagings:

Empty contaminated packagings thoroughly. They can be recycled after thorough and proper cleaning. Disposal must be made according to official regulations.

14- Transport Information

ONU N°: 3082

Correct technical name:

Environmentally hazardous substance, liquid, NOS. Epoxy derivatives.

Air transport:	ICAO / IATA	Class: 9	Group: III	
Sea transport	IMDG	Class: 9	Group: III	IMDG page: 9028
	N° EMS: none	MFAG: none		Marine pollutant: yes
Road transport	ADR / RID	Class: 9, 11c)		HI/Kemler n°: 90
	Label: 9			

15- Regulatory information

Label EEC regulation:

91 / 155 EC

Hazard symbol:

Xi Irritant N Environmentally hazardous substance

Hazard determining components of labelling:

Epoxide derivatives mw < 700
Reaction product: Bisphenol A / epichlorohydrin

Risk phrases:

R 36/38 Irritating to eyes and skin
R 43: May cause sensitization by skin contact
R 51/53: Harmful to aquatic organism, may cause long term adverse effects in aquatic environment

Safety Phrases:

S 28: After contact with skin, wash immdiately with plenty of soap and water
S 37/39: Wear suitable gloves and eye / face protection

Special designation of certain preparations:

Contains epoxy constituents

National regulations:

Document of APME: "Epoxy resins and curing agents (Toxicology, health, safety and environmental aspects)

16-Other information

Note:

The information herein is given in good faith and to the best of our knowledge but no warranty, express or implied, is made. Since the use of this information and the conditions of use of the product are not within our control, it is the user's obligation to determine the condition of safe use of the products.

NA: Not applicable ND: Not determined

Department issuing data specification sheet / Contact:

Mr Jean-Pierre GROS (R&D) Tel: 33.04.42.42.30.20 Fax: 33.04.42.81.29.29