

1. Identification of the substance /preparation and of the company / undertaking

Filled resin and casting resin : R2000-50

Company NORD COMPOSITES Z.A. Route d'Amiens 80890 CONDE FOLIE – FRANCE Tel : 03.22.31.57.57 Fax : 03.22.31.86.97

2. Composition / information on ingredients

Chemical description

Unsaturated polyester, melted in styrene

Hazardous components

Styrene (CAS n° 100-42-5) 17% Solid Polyester 33% Filler calcium carbonate 50%

3. Hazards identification

Hazard for men and environment

R10 – flammable R20 – noxious by inhalation R36/38 – eye and skin irritant

4. First aids measures

- Inhalation Move to fresh air, keep the affected person warm and at rest.

- Skin contact Take off immediately all contaminated clothing, wash off with soap and plenty of water
- Eye contact rinse immediately with plenty of water for at least 10 minutes, and seek medical advice.
- Ingestion Do not induce vomiting, get medical attention

5. Fire fighting measures

<u>Extinguishing media</u> : foam, powder, carbon dioxid, water spray can be used <u>Specific hazards :</u> toxic gases / vapours / fumes of carbon dioxide, carbon monoxide, water. <u>Special protective equipment for fire fighters</u> : Wear a self-contained breathing apparatus

6. Accidental release measure

<u>Personal precautions</u>: In case of vapour formation use respirator <u>Environmental precautions</u>: Do not let product enter drains <u>Methods for cleaning up</u>: Soak up with inert absorbent material (for example : sand, silica gel, universal blinder). Clean contaminated surface thoroughly and place into containers.

7. Handling and storage

<u>Handling</u>

Keep away from sources of ignition, no smoking.

Storage

Keep container tightly closed in a dry and well-ventilated place, keep away from heat.



8. Exposure controls / personal protection

Substance

Styrene: VME = 50 ppm (215 mg/m³).

Personal protection equipment :

- respiratory protection : In case of insufficient ventilation wear suitable respiratory equipment.
- solvent-resistant gloves. - hand protection:
- eye protection: safety glasses
- skin protection : long sleeved clothing

9. Physical and chemical properties Form : Liquid Odour: Typical Boiling point : 146°C Flash point : 31°C Ignition temperature : 490°C Explosion limits : - Lower 1.1% - Upper 8.0% Vapour pressure : 20°C Density : approximately 1.3 - 1.6 g/cm3 Solubility: PH:

Viscosity:

insoluble in water, soluble in styrene, xylene acetone no suitable >300 mPa.s

10. Stability and reactivity

Stability may polymerise

Hazardous decomposition products : no decomposition in normal conditions, heat emanation duiring polymerisation

11. Toxicological information

Acute toxicity

Styrene – DL50/ oral / rat : 5000 mg/kg CL50/ inhal / rat : 11.9mg/l/4h

12. Ecological information

Test : OCDE 301C/ ISO 9408 / EEC 84/449/V,C7 Analysis : DBO > 60 % Elimination rate : Estimate : biodegradable Insoluble, do not discharge in natural waters.

13. Disposal considerations

No hard :

Can be incinerated in properly designed furnace complying with local regulations

Can be placed in dump or incinerated in properly designed Hard : Empty containers that cannot be cleaned must be destroyed as well as the product they contain.



SAFETY DATA SHEET

DS 005 E Date : 10/10/2006

Road : ADR/RID/GGVS/GGVE	Class : 3		
Pictogram		Hazards N° : 30	UN : 1866
Sea : IMDG/GGVSee	Class : 3	UN : 1866	Packaging group : III
		EMS N° : 3-05	MFAF N° 310
Marine pollutant : yes			
Air :OACI/IATA	Class : 3	UN : 1866	Packaging group : III
Proper shipping name : resin so	olution. flammable	e (contains styrene) – m	0 0 0 1
Proper shipping name : resin so			000.

15. Regulatory information

Classification according to EEC directive Contains : styrene EEC N°: 601-026-00-0 EINECS N° 202-851-5 Xn – noxious R10 flammable noxious by inhalation R20 R36/38 eye and skin irritant Keep in a cool place S3 S37 wear appropriate gloves only use in ventilated areas S51

16. Other information

Realisation of composite material For more details, refer to the Data sheet.

This safety data sheet relates information based on our present state knowledge. It does not constitute a guarantee for product characteristics. It is the user's responsibility himself as to the suitability of such information for his own particular use.