

RM 2000

PF_0125



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

1.1. Product identifier

Identification of the product : TOOLING RESIN
Trade name : RM 2000

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

Sector of use category : Chemical industries.
Article Category : Resin.
Chemical product category : Flammable liquid.
Process category : Mould polyester making

1.3. Details of the supplier of the safety data sheet

Company identification : Nord Composites
 Z.A. Route d'Amiens
 F-80890 Condé-Folie France
E-mail address of the person responsible for safety data sheet : qualite@nord-composites.com

Distributed by: Composite Essential Materials, LLC
 315 NW Peacock Blvd.
 Port St. Lucie, FL 34986
 essential.composites@gmail.com

1.4. Emergency telephone number

Emergency phone nr : 01.45.42.59.59

24 Hour Response Number:

800-535-5053 Infotrac Account No. 106236

SECTION 2 Hazards identification

2.1. Classification of the substance or mixture

Classification EC 67/548 or EC 1999/45

Classification : R10
 Xn; R20-48/20
 Xi; R36/37/38
 R43

Hazard Class and Category Code(s), Regulation (EC) No 1272/2008 (CLP)

Classification in 2015

2.2. Label elements

Labelling EC 67/548 or EC 1999/45

Symbol(s) : Harmful.



R Phrase(s) : R10 : Flammable.
 R20 : Harmful by inhalation.
 R36/37/38 : Irritating to eyes, respiratory system and skin.
 R43 : May cause sensitization by skin contact.
 R48/20 Harmful : danger of serious damage to health by prolonged exposure through inhalation.

S Phrase(s) : S37 : Wear suitable gloves.

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SECTION 2 Hazards identification (continued)

Contains : Styrene
Methyl methacrylate

2.3. Other hazards

Other hazards : None under normal conditions.

SECTION 3 Composition/information on ingredients

This product is considered to be hazardous and contains hazardous components.

3.1./3.2. Substance / Preparation

Substance name	Contents	CAS No	EC No	Annex No	REACH Ref.	Classification
Styrene	: < 40 %	100-42-5	202-851-5	601-026-00-0	01-2119457861-32-XXXX	R10 Xn; R20-65-48/20 Xi; R36/37/38 ----- Asp. Tox. 1;H304 Flam. Liq. 3;H226 Acute Tox. 4 (Inhalation);H332 Eye Irrit. 2;H319 Skin Irrit. 2;H315 STOT SE3; H335 STOT RE 1;H372
Methyl methacrylate	: < 3 %	80-62-6	201-297-1	607-035-00-6	01-2119452498-28-XXXX	F; R11 Xi; R37/38 R43 ----- Flam. Liq. 2;H225 Skin Irrit. 2;H315 Skin Sens. 1;H317 STOT SE3; H335

SECTION 4 First aid measures

4.1. Description of first aid measures

- First aid measures** : Remove soiled clothing promptly. Personal protection for the First Aider.
- First aid**
- **Inhalation** : Remove victim to fresh air. Apply artificial respiration if breathing stopped. If you feel unwell, seek medical advice.
 - **Skin contact** : Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse. If skin irritation occurs: Get medical advice/attention
 - **Eye contact** : In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
 - **Ingestion** : Rinse mouth. Do not induce vomiting. Seek medical attention immediately.

4.2. Most important symptoms and effects, both acute and delayed

- Inhalation** : Irritation of respiratory tract. Sore throat. Cough. Causes depression of the nervous system.
- Skin contact** : Skin irritation.
- Eye contact** : Eye irritation.
- Ingestion** : See inhalation.
- Chronic toxicity (target organs)** : No data available.
- General information** : Obtain emergency medical attention.

4.3. Indication of any immediate medical attention and special treatment needed

No data available.

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SECTION 5 Firefighting measures

5.1. Extinguishing media

Extinguishing media

- Suitable : Carbon dioxide. Foam. Powder. Water fog.
- Not to be used : Heavy water stream.

5.2. Special hazards arising from the substance or mixture

Under fire conditions, hazardous fumes will be present. Carbon monoxide. Carbon dioxide.

5.3. Advice for firefighters

Wear proper protective equipment. Wear suitable respiratory equipment.
Use water spray or fog for cooling exposed containers. Risk of explosion. Prevent entry to sewers and public waters.

SECTION 6 Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Evacuate and limit access. Eliminate every possible source of ignition. Wear recommended personal protective equipment. Suitable respiratory equipment. Ensure adequate air ventilation.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

Absorb excess liquid spillage on inorganic adsorbent material such as fine sand, brick dust etc. Place spillage in an appropriate labeled container for disposal. Assure discharge complies with applicable regulations.

6.4. Reference to other sections

See Heading 8. 1. 13.

SECTION 7 Handling and storage

7.1. Precautions for safe handling

Provide good ventilation in process area to prevent formation of flammable vapour. No naked lights. No smoking. Keep away from sources of ignition. Avoid contact with skin and eyes.

7.2. Conditions for safe storage, including any incompatibilities

Storage : Keep only in the original container in a cool, well ventilated place. (18 - 25°C) Keep away from heat. Do not store near oxidizing agents or acidic material.

7.3. Specific end use(s)

No data available.

SECTION 8 Exposure controls/personal protection

8.1. Control parameters

Styrène : TLV : 50 ppm - 215 mg/m³
Methyl methacrylate : TLV : 100 ppm - 410 mg/m³

8.2. Exposure controls

Personal protection



- **Respiratory protection** : Where exposure through inhalation may occur from use, approved respiratory protection equipment is recommended.
- **Hand protection** : Use neoprene or rubber gloves.

RM 2000**PF_0125****SECTION 8 Exposure controls/personal protection (continued)**

- Skin protection : Protective clothing not absolutely necessary.
- Eye protection : Chemical goggles or safety glasses.
- Ingestion : When using, do not eat, drink or smoke.

SECTION 9 Physical and chemical properties

- Physical state : Viscous liquid.
- Colour : Miscellaneous
- Odour : Characteristic.
- pH value : No data available.
- Initial boiling point [°C] : 146 (Styrene)
- Flash point [°C] : 31 (Styrene)
- Density : See technical data sheet
- Solubility in water : Insoluble.
- Auto-ignition temperature [°C] : 480 (Styrene)
- Viscosity : See technical data sheet
- Explosion limits - lower [%] : 1.1 (Styrene)
- Explosion limits - upper [%] : 6.1 (Styrene)
- Properties : See technical data sheet

SECTION 10 Stability and reactivity**10.1. Reactivity**

Stable under normal conditions of storage, handling and use.

10.2. Chemical stability

Unstable under the action of heat.

10.3. Possibility of hazardous reactions

Oxidizing agent. Acidic.

10.4. Conditions to avoid

Prolonged storage. Heat. Direct sunlight. Open flame.

10.5. Incompatible materials

Acidic.

10.6. Hazardous decomposition products

Acids. Hydrocarbon. Carbon dioxide.

SECTION 11 Toxicological information

- Acute toxicity**
- Inhalation : Harmful by inhalation.
- Rat inhalation LC50 [mg/l/4h] : 10 - 25 (Styrene)
- Dermal : Irritating to skin.
- Ocular : Irritating to eyes.
- Ingestion : Harmful if swallowed.
- Rat oral LD50 [mg/kg] : 5000 (Styrene)
- Mutagenicity : None known.
- Carcinogenicity : None known.
- Reproductive toxicity : None known.

RM 2000**PF_0125****SECTION 11 Toxicological information (continued)**

Test on ingredients : Aucunes données disponibles.
On ingredients : See Heading 2 (Information on ingredients).

SECTION 12 Ecological information**12.1. Toxicity**

Toxicity information : This product contains hazardous components for the aquatic environment.
LC50-96 Hour - fish [mg/l] : 32 (Styrene)
48 Hour-EC50 - Daphnia magna [mg/l] : 23 (Styrene)
IC50 72h Algae [mg/l] : 4.9 (Styrene)

12.2. Persistence and degradability

No data available.

12.3. Bioaccumulative potential

No data available.

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

No data available.

12.6. Other adverse effects

Do not flush into surface water or sewer. Avoid spillage in the basement.

SECTION 13 Disposal considerations**13.1. Waste treatment methods**

Disposal : Avoid release to the environment. Dispose of this material and its container at hazardous or special waste collection point. Containers, or internal liners coming from a container, having contained this product are also considered as hazardous wastes. Dispose in a safe manner in accordance with local/national regulations.

SECTION 14 Transport information**14.1. UN number**

: 1866

14.2. UN proper shipping name

: UN1866, RESIN SOLUTION

14.3. Transport hazard class(es)

Labelling : 3: Flammable liquids
- Class : 3
Code tunnel : D/E
- H.I. nr : 30
- ICAO/IATA : Packaging instructions cargo : 366
Packaging instructions passenger: 355
- EMS-Nr : F-E S-E

14.4. Packing group

RM 2000**PF_0125****SECTION 14 Transport information (continued)**

Group : III

14.5. Environmental hazards

No.

14.6. Special precautions for user

Attention : Flammable liquid.

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

No data available.

SECTION 15 Regulatory information**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

Ensure all national/local regulations are observed.

15.2. Chemical safety assessment

No data available.

SECTION 16 Other information

- List of relevant R phrases (§ 3)** : R10 : Flammable.
R11 : Highly flammable.
R20 : Harmful by inhalation.
R36/37/38 : Irritating to eyes, respiratory system and skin.
R37/38 : Irritating to respiratory system and skin.
R43 : May cause sensitization by skin contact.
R48/20 Harmful : danger of serious damage to health by prolonged exposure through inhalation.
R65 : Harmful : may cause lung damage if swallowed.
- List of relevant H phrases (Section 3)** : H225 - Highly flammable liquid and vapour
H226 - Flammable liquid and vapour
H304 - May be fatal if swallowed and enters airways
H315 - Causes skin irritation
H317 - May cause an allergic skin reaction
H319 - Causes serious eye irritation
H332 - Harmful if inhaled
H335 - May cause respiratory irritation
H372 - Causes damage to organs ... through prolonged or repeated exposure
- Print date** : 25 / 2 / 2014
- Recommended uses and restrictions** : See product bulletin for detailed information.
- Sources of key data used** : INERIS - INRS
- Further information** : Revision - See : *

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