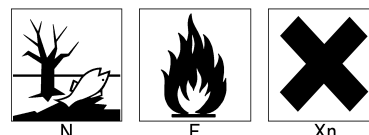


# Safety Data Sheet

## VINILMIX SM



Safety Data Sheet dated 2/8/2007, version 5

### 1. IDENTIFICATION OF THE PRODUCT AND OF THE COMPANY

Trade name: VINILMIX SM  
Trade code: GVA01  
Product type and use: Semi-Matt Vinyl Finishing Coat  
Company:  
Ind. Chimica Reggiana spa Via Gasparini, 7 42100 REGGIO EMILIA Italia Tel. +39  
0522517803 Fax +39 0522514384  
Emergency telephone number of the company and/or of an authorised advisory centre:  
Centro Antiveleni - Policlinico Umberto I, Roma - Tel. 06-49978000  
Competent person responsible for the safety data sheet: sdspg@icrsprint.it

### 2. HAZARDS IDENTIFICATION

The product easily catches fire if it is exposed to an ignition source.  
This product is harmful: serious harm (functional disorders or significant morphological changes that are toxicology-related) may be caused by repeated or prolonged exposure to the product by inhalation or by skin contact.  
This product is harmful - it is suspected that it can be injurious to the foetus.  
Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous components within the meaning of EEC directive 67/548 and corresponding classification:

- 25% - 30% xylene, mixture of isomers (flashpoint  $\geq 21^{\circ}\text{C}$ )  
N.67/548/CEE: 601-022-01-6 CAS: 1330-20-7 EC: 215-535-7  
Xn,Xi; R10-20/21-38
- 15% - 20% toluene  
N.67/548/CEE: 601-021-00-3 CAS: 108-88-3 EC: 203-625-9  
F,Repr. Cat. 3,Xn,Xi; R11-38-48/20-63-65-67
- 5% - 7% Trizinc bis(orthophosphate)  
CAS: 7779-90-0 EC: 231-944-3  
N; R50-53
- 3% - 5% solvent naphtha (petroleum), light aromatic  
N.67/548/CEE: 649-356-00-4 CAS: 64742-95-6 EC: 265-199-0  
Xn,Xi,N; R10-37-51-53-65
- 1% - 3% reaction product: bisphenol-A-(epichlorhydrin); epoxy resin (number average molecular weight  $\leq 700$ )  
N.67/548/CEE: 603-074-00-8 CAS: 25068-38-6 EC: 500-033-5  
Xi,N; R36/38-43-51-53

### 4. FIRST AID MEASURES

Contact with skin:  
Immediately take off all contaminated clothing.  
Areas of the body that have - or are only even suspected of having - come into contact with the product must be rinsed immediately with plenty of running water and possibly with soap.

Contact with eyes:  
Do not use eyewash or ointment of any kind (before obtaining an examination or advice from an eye specialist).  
Wash immediately with water for at least 10 minutes.

Swallowing:  
Do not under any circumstances induce vomiting. OBTAIN A MEDICAL EXAMINATION IMMEDIATELY.



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Give liquid paraffin to drink; do not give milk or animal or vegetable fats of any kind.  
Inhalation:  
Ventilate the premises. The patient is to be removed immediately from the contaminated premises to rest in a well ventilated area. OBTAIN MEDICAL ATTENTION.

### 5. FIRE-FIGHTING MEASURES

Recommended extinguishers:  
CO2 or Dry chemical fire extinguisher.  
Extinguishers not to be used:  
None in particular.  
Risks arising from combustion:  
Avoid inhaling the fumes.  
Protective equipment:  
Use protection for the respiratory tract.  
Cool the containers exposed to the fire with water.

### 6. ACCIDENTAL RELEASE MEASURES

Measures for personal safety:  
Use a mask, gloves and protective clothing.  
Environmental measures:  
Limit leakages with earth or sand.  
Eliminate all unguarded flames and possible sources of ignition. Do not smoke.  
If the product has escaped into a water course, into the drainage system, or has contaminated the ground or vegetation, notify the competent authorities.  
Cleaning methods:  
Rapidly recover the product. To do so, wear a mask and protective clothing.  
If the product is in a liquid form, stop it from entering the drainage system.  
Recover the product for re-use if possible, or for elimination. The product might, where appropriate, be absorbed by inert material.

### 7. HANDLING AND STORAGE

Handling precautions:  
Avoid contact and inhalation of the vapours. See, too, paragraph 8 below.  
Do not eat or drink while working.  
Do not smoke while working.  
Incompatible materials:  
None in particular.  
Storage conditions:  
Keep away from unguarded flame, sparks, and heat sources. Avoid direct exposure to sunlight.  
Instructions as regards storage premises:  
Cool and adequately ventilated.

### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Precautionary measures:  
Give adequate ventilation to the premises where the product is stored and/or handled.  
Respiratory protection:  
Use respiratory protection where ventilation is insufficient or exposure is prolonged, e.g. CEN/FFP-2(S) or CEN/FFP-3(S).  
Use adequate protective respiratory equipment, e.g. CEN/FFP-2(S) or CEN/FFP-3(S).  
Protection for hands:  
Use protective gloves that provides comprehensive protection, e.g. P.V.C., neoprene or rubber.  
Eye protection:  
Use close fitting safety goggles and/or visor conforming to BS 2092 GRADE 1).  
Protection for skin:  
Use clothing that provides comprehensive protection to the skin, e.g. cotton, rubber, PVC or viton.  
Exposure limit(s) (ACGIH):

Name	TLV - TWA	TLV - STEL
xylene, mixture of isomers	100 ppm	150 ppm

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(flashpoint $\geq 21^{\circ}\text{C}$ ) toluene	100 ppm	150 ppm
<b>9. PHYSICAL AND CHEMICAL PROPERTIES</b> Appearance and colour: Transparent flowing compound Odour: Typical Flash point: $0^{\circ}\text{C} \leq \text{fp} < 21^{\circ}\text{C}$ Relative density: $1,10 \pm 0,05 \text{ g/cm}^3$ Viscosity : $800 \pm 500 \text{ mPa.s}$ Non-volatile content: 48%		
<b>10. STABILITY AND REACTIVITY</b> Conditions to avoid: Stable under normal conditions. Substances to avoid: Avoid contact with combustible materials. The product could catch fire. Hazardous decomposition products: None.		
<b>11. TOXICOLOGICAL INFORMATION</b> The concentration of each substance should be borne in mind in assessing the toxicological effects deriving from the preparation. Set out below is the toxicological information relating to the main substances in the preparation. xylene, mixture of isomers (flashpoint $\geq 21^{\circ}\text{C}$ ) OBSERVATIONS ON HUMAN SUBJECTS NON-PROFESSIONAL EXPOSURE - Effects following acute exposure: Symptoms of intense exposure are: dermatitis, eczema, irritation to the eyes and to the respiratory tract. Inhaling the vapours can cause dizziness, headache, nausea, incoordination, excitability, narcosis, anaemia, and paraesthesia of the hands and feet. PROFESSIONAL EXPOSURE - Effects following acute exposure: Narcotic at high concentrations. Irritation through inhalation at 200 ppm (TCLo). Inhalation of 200 ppm has irritating effects in human subjects. Human subject (oral)(LDLo): 50 mg/kg. Inhalatory human subject (LCLo) 10000 ppm/6h.  toluene OBSERVATIONS ON HUMAN SUBJECTS - NON-PROFESSIONAL EXPOSURE Effects following acute exposure: At 200 ppm: mild but definite decrease in co-ordination and in reaction time, fatigue, confusion, paraesthesia of the skin; the fatigue lasted over a number of hours together with mild insomnia. At 400 ppm: worsening of symptoms and mental confusion.  solvent naphtha (petroleum), light aromatic ACUTE: Inhalation: Vapor concentration above recommended exposure levels may be irritating to the eyes and the respiratory tract, may cause headaches and dizziness, could be anesthetic and may other nervous system effects. Skin contact: Low order of toxicity. Frequent or prolonged contact may defat and dry the skin, leading to discomfort and dermatitis. Eye contact: Will cause eye discomfort, but will not injure eye tissue. Ingestion: Small amounts of liquid aspirated into the respiratory system during ingestion or from vomiting may cause bronchopneumonia or pulmonary edema. Minimal toxicity.  Liquid epoxy resin contained in this material causes only minor skin irritation. However, all epoxy resins are capable of causing sensitizing of the skin. Susceptibility to skin irritation and sensitization varies from person to person. In a sensitized individual the allergic dermatitis may not appear until after several days or weeks of		

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frequent and prolonged contact. Therefore, even though the skin irritation potential is slight, skin contact should be avoided.  
Once sensitization has occurred, exposure of the skin to very small quantities of the material may cause erythema and edema.

### 12. ECOLOGICAL INFORMATION

Adopt good working practices, so that the product is not released into the environment.

List of substances dangerous for the environment and corresponding classification:

5% - 7% Trizinc bis(orthophosphate)

CAS: 7779-90-0 EC: 231-944-3

R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

3% - 5% solvent naphtha (petroleum), light aromatic

N.67/548/CEE: 649-356-00-4 CAS: 64742-95-6 EC: 265-199-0

R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

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

1% - 3% reaction product: bisphenol-A-(epichlorhydrin); epoxy resin (number average molecular weight  $\leq$  700)

N.67/548/CEE: 603-074-00-8 CAS: 25068-38-6 EC: 500-033-5

R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

### 13. DISPOSAL CONSIDERATIONS

The waste of non-polymerized material must be considered as "Toxic and Harmful" waste, because the presence of organic solvents is higher than what allowed by European laws.

The empty containers must be considered special waste materials(Art. 5 D.P.R. 915/82) to take to dump of type 2B. If previously cleansed, they can be admitted in first class dumps.

Recover, if possible. Send to authorised disposal plants or for incineration under controlled conditions. In so doing, comply with the local and national regulations currently in force.

### 14. TRANSPORT INFORMATION

ADR-UN number: 1263

Shipping name: Paints

ADR Packing Group: III

ADR Classification Code: F1

Limited quantities, not subject to ADR norms:- Combined packaging: for internal packaging of up to 5 liters and packs of up to 45 liters- Internal packaging on trays and with heat-shrink wrapping or stretched wrapping: for internal packaging of up to 5 liters and packs of up to 20 kg

IMDG-Class: 3.3

IMDG-Un number: 1263

Shipping name: Paints

IMDG-Label: 3

IMDG-Packing group: III

IMDG-EMS: F-E, S-E

IMDG-MFAG: 310

### 15. REGULATORY INFORMATION

Council Directive 67/548/EEC (Classification, packaging and labelling of dangerous substances) and subsequent amendments. Commission Directive 1999/45/EC (Classification, packaging and labelling of dangerous preparation) and subsequent amendments. Commission Directive 98/24/EC (Protection of the health and safety of workers from the risk related to chemical agent). Commission Directive 2000/39/EC (Occupational exposure limit values). Regulation (EC) No 1907/2006 (REACH).

Symbols:

Xn Harmful

F Highly flammable

N Dangerous for the environment

R Phrases:

R11 Highly flammable.

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R48/20/21 Harmful: danger of serious damage to health by prolonged exposure through inhalation and in contact with skin.

R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R63 Possible risk of harm to the unborn child

### S Phrases:

S23 Do not breathe spray

S36/37 Wear suitable protective clothing and gloves.

S51 Use only in well-ventilated areas.

### Contents:

xylene, mixture of isomers (flashpoint  $\geq 21^{\circ}\text{C}$ )

toluene

reaction product: bisphenol-A-(epichlorhydrin); epoxy resin (number average molecular weight  $\leq 700$ )

### Special Provisions:

Contains epoxy constituents. See information supplied by the manufacturer.

Where applicable, refer to the following regulatory provisions :

Directive 82/501/EEC ('Activities linked to risks of serious accidents') and subsequent amendments.

Volatile Organic compounds - VOCs = 571.99 g/l

Volatile CMR substances = 0.00 g/Kg

Halogenated VOCs which are assigned the risk phrase R40 = 0.00 g/Kg

Organic Carbon - C = 0.45

1999/13/EC (VOC directive)

## 16. OTHER INFORMATION

Text of R phrases referred to under heading 3:

R10 Flammable.

R11 Highly flammable.

R20/21 Harmful by inhalation and in contact with skin.

R36/38 Irritating to eyes and skin.

R37 Irritating to respiratory system.

R38 Irritating to skin.

R43 May cause sensitization by skin contact.

R48/20 Harmful: danger of serious damage to health by prolonged exposure through inhalation.

R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R63 Possible risk of harm to the unborn child

R65 Harmful: may cause lung damage if swallowed.

R67 Vapours may cause drowsiness and dizziness.

Paragraphs modified from the previous revision:

2. HAZARDS IDENTIFICATION

3. COMPOSITION/INFORMATION ON INGREDIENTS

9. PHYSICAL AND CHEMICAL PROPERTIES

12. ECOLOGICAL INFORMATION

13. DISPOSAL CONSIDERATIONS

14. TRANSPORT INFORMATION

15. REGULATORY INFORMATION

16. OTHER INFORMATION

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Main bibliographic sources:

ECDIN - Environmental Chemicals Data and Information Network - Joint Research Centre,  
Commission of the European Communities

SAX's DANGEROUS PROPERTIES OF INDUSTRIAL MATERIALS - Eight Edition - Van  
Nostrand Reinold

ACGIH - Threshold Limit Values - 2004 edition

The information contained herein is based on our state of knowledge at the above-specified date. It refers solely to the product indicated and constitutes no guarantee of particular quality.

It is the duty of the user to ensure that this information is appropriate and complete with respect to the specific use intended.

This MSDS cancels and replaces any preceding release.