

1 IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND THE COMPANY

1.1 IDENTIFICATION OF THE SUBSTANCE OR PREPARATION

Product Name	Unimarc Smalto Micaceo
Product Series	303
Product Usage	Water soluble acrylic protector with a micaceous effect
Color	All

1.2 MANUFACTURER INFORMATION

Company Name	Colorificio San Marco S.P.A.
Address	Via Alta 10 District and Country 30020 Marcon (VE)
Phone Number	041 4569322 – Telephone 041 5950153 – Fax
E-Mail	sicurezza.prodotti@sanmarcogroup.it competent person responsible for the Safety Data Sheet
Product Distribution	San Marco USA

Emergency Telephone Call 911 if you have a poison emergency.
Call the CDC if swallowed but person is alert 1-800-222-1222

2 HAZARDS IDENTIFICATION

This product is not dangerous under 67/548/EEC and 1999/45/EC directives and subsequent amendments. Nevertheless, this preparation contains dangerous substances in concentrations that must be declared in section No. 3 and requires a safety data sheet containing all the information required under the Regulation (EC) 1907/2006 and subsequent amendments.

3 COMPOSITION / INFORMATION ON INGREDIENTS

Name	Concentration C	Classification
Aluminium Powder (Stabilized)	3 < = C < 3,5	R10
Cas No 7429-90-5		F R15
CE No 231-072-3		
Index No 013-002-00-1		

The complete text of -R- phrases is specified in section 16.

4 FIRST AID MEASURES

No harm to the staff authorised to use has been reported. However, in case of contact, inhalation or ingestion, the following general measures provided for a first aid shall be taken.

Inhalation	Remove to open air. If respiration is difficult, administer artificial respiration and seek medical advice.
Ingestion	Seek medical attention. Induce vomiting only if indicated by the doctor. Never give anything by mouth to an unconscious person.

Eyes and Skin Wash with plenty of water; if the irritation persists, seek medical advice.

5 FIRE-FIGHTING MEASURES

General Information Use jets of water to cool the containers to prevent product decomposition and the development of substances potentially hazardous for health. Always wear full fire prevention gear. Collect extinguishing water to prevent it from draining into the sewer system. Dispose of contaminated water used for extinction and the remains of the fire according to applicable regulations.

Suitable Extinguishing Media The extinction equipment should be of the conventional kind: carbon dioxide, foam, powder and nebulised water.

Extinguishing Media which Shall Not be Used for Safety Reasons

None in particular.

Hazards Caused by Exposure in the Event of Fire

Do not breathe combustion products (carbon oxide, toxic pyrolysis products, etc).

Special Protective Equipment for Fire-Fighters

Hardhat with visor, fireproof clothing (fireproof jacket and trousers with straps around arms, legs and waist), work gloves (fireproof, cut proof and dielectric), a depressurised mask with facemask covering the whole of the operator's face or a self-respirator (self-protector) in the event of large quantities of foam.

6 ACCIDENTAL RELEASE MEASURES

Personal Precautions Eliminate sources of ignition (cigarettes, flames, sparks, etc.) from the area in which the leak occurred. If there are no contraindications, spray solid products with water to prevent the formation of dust. Use breathing equipment if fumes or powders are released into the air. Block the leakage if there is no hazard. Do not handle damaged containers or leaked product before donning appropriate protective gear. Send away individuals who are not suitably equipped. For information on risks for the environmental and health, respiratory tract protection, ventilation and personal protection equipment, refer to the other sections of this sheet.

Environmental Precautions The product must not penetrate the sewers, surface water, ground water and neighbouring areas.

Methods For Cleaning Up For liquid products, suck into a suitable container (made of material not incompatible with the product) and soak up any leaked product with absorbent inert material (sand, vermiculite, diatomeous earth, Kieselguhr, etc). Collect the majority of the remaining material and deposit in containers for disposal. For solid products, use spark proof mechanical tools to collect the leaked product and place in plastic containers. If there are no contraindications, use jets of water to eliminate product residues. Make sure the leakage site is well aired.

Contaminated material should be disposed of in compliance with the provisions set forth in point 13.

7 HANDLING AND STORAGE

Avoid the accumulation of electrostatic charges. Store the containers sealed and in a well ventilated place. Vapours may ignite with explosion, it is therefore necessary to avoid accumulation keeping the windows and doors open, ensuring crossventilation.

Without adequate ventilation, the vapours may accumulate at the bottom and ignite at a distance, if triggered off, with the risk of flashback. Keep far away from sources of heat, sparks and bright flames. Do not smoke, use matches or lighters. Keep the containers earthed while decanting and wear antistatic boots.

Vigorous stirring and flow through the pipings and equipment may cause the formation and accumulation of electrostatic charges due to the low conductivity of the product. In order to avoid the risk of fire outbreak and explosion never use compressed air during movement.

8 EXPOSURE CONTROL / PERSONAL PROTECTION.

8.1 EXPOSURE LIMIT VALUES

8.2 EXPOSURE CONTROLS

Follow the good industrial hygiene practices adopting suitable individual protective measures, such as gloves and overall. Do not eat or smoke while handling the product. Wash hands before eating and at the end of the work shift. Periodic health controls are recommended at the discretion of the doctor.

9 PHYSICAL AND CHEMICAL PROPERTIES

Colour	Color Palette
Odor	Characteristic
State	liquid
Solubility	Not available
Viscosity	10000 cps
Vapour Density	Not available
Evaporation Speed	Not available
Comburent Properties	Not available
Partition Coefficient: N-Octanol/Water	Not available
pH	Not available
Boiling Point	Not available
Flash Point	> 60°C
Explosive Properties	Not available
Vapour Pressure	Not available
Specific Gravity	1,24 - 1,28Kg/l

10 STABILITY AND REACTIVITY

The product is stable even if the powders are potentially explosive when mixed with air.

Propylene glycol: it is hygroscopic, stable at normal conditions; at high temperatures, it tends to oxidize yielding propionaldehyde as well as lactic and acetic acid.

i1 TOXICOLOGICAL INFORMATION

According to currently available data, this product has not yet produced health damages. Anyway, it must be handled carefully according to good industrial practices. This product may have slight health effects on sensitive people, by inhalation and/or cutaneous absorption and/or contact with eyes and/or ingestion.

1,2-PROPANEDIOL: oral LD50 (mg/kg) 20800 (RAT) ; dermal LD50 (mg/kg) 20800 (RAT)

i2 ECOLOGICAL INFORMATION

No specific data are available for this product. Handle it according to good working practices. Avoid littering. Do not contaminate soil, sewers and waterways. Inform the competent authorities, should the product reach waterways or sewers or contaminate soil or vegetation.

Please take all the proper measures to reduce harmful effects on aquifers.

i3 DISPOSAL CONSIDERATION

Consider the possibility of burning the product in a suitable incinerator.

Acid or basic products must always be neutralized before undergoing any treatment, including biological treatment whenever feasible. If the waste is solid, it can be disposed of in a landfill.

i4 TRANSPORT INFORMATION

This substance is not dangerous under current provisions of the Code of International Carriage of Dangerous Goods by Road (ADR) and by Rail (RID), of the International Maritime Dangerous Goods Code (IMDG), and of the International Air Transport Association (IATA) regulations.

i5 REGULATORY INFORMATION

Warning Symbols	None
Hazard Sentences (R)	None
Caution Recommendations (S)	None

Safety data sheet available upon request for professional users.

Danger labeling under directives 67/548/EEC and 1999/45/EC and following amendments and adjustments.

i6 OTHER INFORMATION

Text of -R- phrases quoted in section 3 of the sheet.

R10	Flammable
R15	Contact with water liberates extremely flammable gases
R22	Harmful if swallowed
R41	Risk of serious damage to eyes

GENERAL BIBLIOGRAPHY

- 1 Directive 1999/45/EC and following amendments;
- 2 Directive 67/548/EEC and following amendments and adjustments (technical adjustment XXIX);
- 3 Regulation (EC) 1907/2006 (REACH) of the European Parliament;

- 4 The Merck Index. - 10th Edition;
- 5 Handling Chemical Safety;
- 6 Niosh - Registry of Toxic Effects of Chemical Substances;
- 7 INRS - Fiche Toxicologique (toxicological sheet);
- 8 Patty - Industrial Hygiene and Toxicology;
- 9 N.I. Sax - Dangerous properties of Industrial Materials-7, 1989 Edition;

NOTE FOR USERS

The information contained in the present sheet are based on our own knowledge on the date of the last version. Users must verify the suitability and thoroughness of provided information according to each specific use of the product .

This document must not be regarded as a guarantee on any specific product property.

The use of this product is not subject to our direct control; therefore, users must, under their own responsibility, comply with the current health and safety laws and regulations. The producer is relieved from any liability arising from improper uses.

Changes to previous review

The following sections were modified: 01 / 02 / 03 / 06 / 08 / 09 / 11 / 13 / 14 / 15 / 16