

## 1 IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND THE COMPANY

### 1.1 IDENTIFICATION OF THE SUBSTANCE OR PREPARATION

**Product Name** Graffiti Remover  
**Product Series** 778  
**Product Usage** Detergent Graffiti Remover  
**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

### 2.1 SUBSTANCE/PREPARATION CLASSIFICATION

This product is dangerous under 67/548/EEC and 1999/45/EC directives and subsequent amendments. Therefore, this product requires a safety data sheet according to the Regulation (EC) 1907/2006 and subsequent amendments. Further information on health and/or environmental hazards can be found in sections 11 and 12 of this sheet.

**Danger Symbols** Xi  
**R Phrases** 36/38

### 2.2 DANGER IDENTIFICATION

Irritating to Eyes and Skin.

## 3 COMPOSITION / INFORMATION ON INGREDIENTS

Name	Concentration C	Classification
Propylene carbonate Cas No 108-32-7 CE No 203-572-1 Index No 607-194-00-1	15 ≤ C < 16,5	Xi R36
Diethylene Glycol Monoethylether Cas No 111-90-0 CE No 203-919-7	16,5 ≤ C < 18	Xi R36

N-Methyl-2-Pyrrolidone  
Cas No 872-50-4  
CE No 212-828-1  
Index No 606-021-00-7

10 &lt;= C &lt; 11,5

Xi R36/38

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

## 4 FIRST AID MEASURES

- Eyes** Irrigate copiously with clean, fresh water for at least 15 minutes. Seek medical advice.
- Skin** Wash immediately with plenty of water. Remove contaminated clothing. If irritation persists, seek medical attention. Wash contaminated clothing before using them again.
- Inhalation** Remove to open air. If breathing is irregular, seek medical advice.
- Ingestion** Obtain immediate medical attention. Induce vomiting only if indicated by the doctor. Never give anything by mouth to an unconscious person.

## 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 all sources of ignition (cigarettes, flames, sparks, etc.) from the leakage site. 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 the leaked product before donning

appropriate protective gear. For information on risks for the environmental and health, respiratory tract protection, ventilation and personal protection equipment, see 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

Use inert absorbent material (sand, vermiculite, diatomaceous earth, Kieselguhr, etc.) to soak up leaked product. Collect the majority of the remaining material and deposit it in containers for disposal. 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

Store in a well ventilated place, keeping the containers closed when not used. Do not smoke while handling. Keep far away from sources of heat, bright flames and sparks and other sources of ignition.

## 8 EXPOSURE CONTROL / PERSONAL PROTECTION.

### 8.1 EXPOSURE LIMIT VALUES

Name	Type	Country	TWA/8h		STEL/15min	
			mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>	ppm
N-Methyl-2-Pyrrolidone	OEL	IRL		25		Skin
	WEL	UK		25	75	Skin

### 8.2 EXPOSURE CONTROLS

In order to minimize exposure as far as possible, it is strongly recommended to use adequate individual protective measures, such as: masks suitable for the product, goggles, gloves and overall. Do not eat, drink or smoke while handling it. Wash hands accurately with soap and water before meals and at the end of the work shift.

## 9 PHYSICAL AND CHEMICAL PROPERTIES

Colour	Transparent
Odor	Characteristic
State	Gel
Solubility	Not Available
Viscosity	Not Available
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

<b>Flash Point</b>	> 55°C
<b>Explosive Properties</b>	Not Available
<b>Vapour Pressure</b>	Not Available
<b>Specific Gravity</b>	1,090Kg/l

## **i10 STABILITY AND REACTIVITY**

The product is stable in normal conditions of use and storage. When heated or in the event of a fire, carbon oxides may be released and vapours which are dangerous to health. The vapours may also form explosive mixtures with the air.

Diethylene glycol ethyl ether is hygroscopic; it must therefore be protected from moisture and air. It may form explosive mixtures with air above 94 °C.

N-methyl-2-pyrrolidone is stable up to 315°C in an inert atmosphere. In the presence of air, it slowly oxidizes to form hydroperoxides. Due to thermal decomposition, it yields toxic gases of nitrogen and carbon oxides. It is completely miscible with water giving a neutral or slightly basic reaction. It doesn't attack common materials, but melts different types of plastic materials.

## **i11 TOXICOLOGICAL INFORMATION**

**Acute Effects** Stinging eyes. Symptoms may include: rubescence, edema, pain and lachrymation. Contact with skin may cause: irritation, erythema, edema, dryness and chapped skin. Vapour inhalation may slightly irritate the upper respiratory tract. Ingestion may cause health disorders, including stomach pain and sting, nausea and sickness.

**N-Methyl-2-Pyrrolidone** No acute or chronic cases of intoxication or sensitization have been reported. On healthy volunteers, repeated skin applications caused modest and transient erythema. The substance enhances the absorption of several substances through the skin. A limit of exposure of 400 mg/cu.m is recommended (Fiche toxicologique, 1987). Experiments conducted on mice and rats by the oral and inhalation way revealed no teratogenic effects, at non embryotoxic doses. It is not mutagenic with Ames test.

**Propylene Carbonato** oral LD50 (mg/kg) 29000 (RAT);  
dermal LD50 (mg/kg) 23780 (RABBIT),

**N-Methyl-2-Pyrrolidone** oral LD50 (mg/kg) 7000 (RAT);  
dermal LD50 (mg/kg) 7000 (RAT) ;  
inhalation LC50 (rat) 5,1 mg/l/4h

## **i12 ECOLOGICAL INFORMATION**

Use this product according to good working practices. Avoid littering. Inform the competent authorities, should the product reach waterways or sewers or contaminate soil or vegetation.

## **i13 DISPOSAL CONSIDERATION**

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

Acid or basic products must always be neutralized before undergoing any

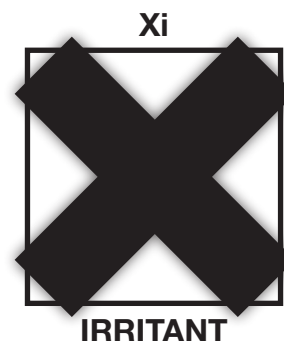
treatment, including biological treatment Whenever feasible. If the waste is solid, it can be disposed of in a landfill.

## 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

<b>R36/38</b>	Irritating to eyes and skin.
<b>S2</b>	Keep out of the reach of children.
<b>S25</b>	Avoid contact with eyes.
<b>S26</b>	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
<b>S37</b>	Wear suitable gloves.
<b>S46</b>	If swallowed, seek medical advice immediately and show this container or label.



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

Workers exposed to this chemical agent must not undergo health checks, provided that available risk-assessment data prove that the risks related to the workers' health and safety are modest and that the 98/24/EC directive is respected.

## i6 OTHER INFORMATION

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

<b>R36</b>	Irritating to Eyes.
<b>R36/38</b>	Irritating to Eyes and Skin.

### 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 / 08 / 09 / 10 / 11 / 15 / 16