

# Safety data sheet



Printing date: 22 december 2019  
Review number: 1  
Review date: 20 december 2019  
Version: 2  
More information: +39 0444 960991  
Information in case of emergency: +39 0444 960991

Trade name: **VERTYS SPLASH**

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

### 1.1 Trade Name

Denomination VERTYS SPLASH

### 1.2. Relevant identified uses of the substance or mixture and not recommended uses

Description/Use Safety cleaner for resins and inks

### 1.3. Details of the supplier of the safety data sheet

Company name A.GREE SRL  
Address Via Retrone, 14  
Place and Country 36077 ALTAVILLA VICENTINA (VI) ITALIA  
tel. 0444 960 991  
fax. 0444 14 92 178  
e-mail address of the competent person,  
responsible for the Safety Data Sheet info@vertysystem.com

### 1.4. Emergency telephone number

For urgent information please contact 0444 960 991 available from Monday and Friday between 8:30 am and 6:00 pm

### Telephone numbers of the main Italian Poison Control Centres (active 24/24 hours)

Pavia Poison Control Centres 0382 24444(CAV IRCCS Maugeri's Foundation - Pavia)  
Milan Poison Control Centres 02 66101029 (CAV Niguarda Ca' Granda's Hospital - Milan)  
Bergamo Poison Control Centres 800 883300 (CAV Riuniti's Hospital - Bergamo)  
Florence Poison Control Centres 055 7947819 (CAV Careggi Hospital - Florence)  
Rome Poison Control Centres 06 3054343(CAV Policlinico Gemelli - Rome)  
Rome Poison Control Centres 06 49978000(CAV Policlinico Umberto I - Rome)  
Naples Poison Control Centres 081 7472870(CAV Cardarelli's Hospital - Naples)

## SECTION 2. Identification of hazards

### 2.1. Classification of the substance or mixture

The product is not classified as dangerous in accordance with the provisions of Regulation (EC) 1272/2008 (CLP).

The product, however, containing dangerous substances in a concentration such as to be declared in section n.3, requires a safety data sheet with adequate information, in accordance with Regulation (EC) 1907/2006 and subsequent amendments.

### Hazard classification and indications:

Lighter fluid, category 2	H225	Highly flammable liquid and vapour.
eye irritation, category 2	H319	Causes severe eye irritation.

### 2.2. Label elements

#### Hazard pictograms

-

#### Warnings

-

#### Hazard statements

-

#### Precautionary statements

-

### 2.3. Other dangers

On the basis of facts available, the product does not contain PBT or vPvB substances by more than 0,1 %.

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## SECTION 3. Composition/information on ingredients

### 3.1. Substances

Information not relevant

### 3.2. Mixture

#### Contains:

Identification.	Conc. %	
<b>2-PROPANOL</b>		
<b>DIPROPYLENE GLYCOL MONOMETHYL ETHER</b>	50 - 100	Substance with a Community workplace exposure limit.
CAS. 34590-94-8		
CE. 252-104-2		
INDEX. -		
<b>dimethyl succinate</b>		
<b>CAS. 106-65-0</b>	1 - 5	
CE. -		
INDEX. -		
<b>ALCOHOL ETHOXYLATES</b>		
CAS. 9002-92-0	1 - 5	
CE. -		
INDEX. -		

Note: Upper value of the excluded range.

The full text of hazard statements (H) is given in Section 16 of the form.

## SECTION 4. First aid measures

### 4.1. Description of first aid measures

Not specifically necessary. It is recommended in any case compliance with the rules of good industrial hygiene.

### 4.2. Main symptoms and effects, both acute and delayed

There are no known episodes of health damage attributable to the product.

### 4.3. Indication of possible immediate medical attention and special treatment.

Information not available.

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## SECTION 5. Fire prevention measures

### 5.1. Extinguishing Media

#### SUITABLE EXTINGUISHING MEDIA

The extinction media are the traditional ones: carbon dioxide, foam, dust and spray water.

#### NOT SUITABLE EXTINGUISHING MEDIA

None in particular.

### 5.2. Special hazards arising from the substance or mixture

#### HAZARDS ARISING FROM EXPOSURE TO FIRE

Avoid breathing combustion products.

### 5.3. Recommendations for fire extinguishers

#### GENERAL INFORMATION:

Cool the containers with water jets to avoid the decomposition of the product and the development of substances potentially dangerous for health. Always wear the complete fire protection equipment. Quench water shall be collected and shall not be discharged into the sewage system. Dispose of contaminated water used for extinguishing and residual fire according to current regulations.

#### EQUIPMENT:

Normal clothes to fight the fire, as an open circuit compressed air breathing apparatus (EN 137), flame retardant suit (EN469), flame-resistant gloves (EN 659) and Firefighter boots (HO A29 or A30).

## SECTION 6. Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

In the case of vapors or dust dispersed in the air, take respiratory protection. These indications are valid both for the workers and for emergency interventions.

### 6.2. Environmental precautions

Prevent the product from entering sewage, surface water, groundwater.

### 6.3. Methods and material for containment and cleaning up

Confine using earthor inert material. Remove most of the material and eliminate the remainder using jets of water. The disposal of contaminated material must be made in accordance with section 13.

### 6.4. Reference to other sections

Any information on personal protection and disposal is given in sections 8 and 13.

## SECTION 7. Handling and storage

### 7.1. Precautions for safe handling

Handle the product after consulting all other sections in this security sheet. Avoid dispersal of the product in the environment. Do not eat, drink or smoke while handling it.

### 7.2. Conditions for safe storage, including any incompatibilities

Keep the product in clearly labeled containers. Store containers away from any incompatible materials, checking section 10.

### 7.3. Specific end use(s)

Information not available.

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## SECTION 8. Exposure controls/personal protection

### 8.1. Control parameters

GRB	United kingdom	EH40/2005 Workplace exposure limits
IRL	Eire	Code of Practice Chemical Agent Regulations 2011
ITA	Italia	Decreto Legislativo 9 Aprile 2008, n.81
EU	OEL EU	Direttiva 2009/161/UE; Direttiva 2006/15/CE; Direttiva 2004/37/CE; Direttiva 2000/39/CE.
	TLV - ACGIH	ACGIH 2014

### DIPROPYLENE GLYCOL MONOMETHYL ETHER

#### Threshold limit value

Type	Status	TWA/8h		STEL/15min		
		mg/m3	ppm	mg/m3	ppm	
WEL	GRB	308	50			SKIN
OEL	IRL	308	50			SKIN
TLV	ITA	308	50			SKIN
OEL	EU	308	50			SKIN
TLV-ACGIH		606	100	909	150	SKIN

#### LEGEND:

(C) = CEILING ; INALAB = Inhalable fraction; RESPIR = Breathable fraction; TORAC = Thoracic fraction.

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## 8.2. Exposure controls

Given that the use of appropriate technical measures should always take priority over personal protective equipment, ensure good ventilation in the workplace through effective local intake. For the selection of personal protective equipment, ask your chemical suppliers for advice. Personal protective equipment must be EC marked which certifies that it complies with the rules in force.

### HANDS PROTECTION

Protect hands with category III working gloves (ref. EN 374). Compatibility, degradation, breakage time and permeation shall be considered for the final selection of the working gloves material. In the case of preparations, the resistance of work gloves to chemical agents must be checked before use as it is not foreseeable. The gloves have a wear time that depends on the duration and mode of use.

### SKIN PROTECTION

Wear work clothes with long sleeves and safety footwear for professional use category I (ref. Directive 89/686/EEC and EN ISO 20344). Wash with soap and water after removing protective clothing.

### EYES PROTECTION

It is advisable to wear airtight protective glasses (ref. EN 166).

### PROTECTION OF RESPIRATORY TRACTS

In case of exceeding the threshold value (eg. TLV-TWA) of the substance or one or more of the substances present in the product, consider wearing a mask with type A filter, whose class (1, 2 or 3) will be chosen according to the maximum concentration of use. (Ref. EN 14387). In the case were present gases or vapors of a different nature and/or gases or vapors with particles (aerosols, fumes, mists, etc.) you should make use of combined type filters. The use of means of respiratory protection is required if the technical measures taken are not sufficient to limit worker exposure to the considered threshold values. The protection provided by masks is in any case limited. In the case where the substance in question is odorless or its olfactory threshold is higher than the relative TLV-TWA and in case of emergency, wear an open circuit compressed air breathing apparatus (ref. Standard EN 137) or an outside air breathing apparatus (ref. standard EN 138). For the correct choice of respiratory protection device, refer to Standard EN 529.

### ENVIRONMENTAL EXPOSURE CONTROLS

Emissions from production processes, including those from ventilation should be checked for the purposes of compliance with environmental protection.

## SECTION 9. Physical and chemical properties

### 9.1. Information on fundamental physical and chemical properties

Physical State	Liquid
Colour	Colourless
Odour	Faint
Olfactory threshold	Not available
pH.	Not available
Melting Point or Forstbite Point	Not available
Boiling Point	189 °C
Boiling Range	Not available
Flashpoint	> 60 °C
Evaporation rate	Not available
Flammability of solids and gases	Not inflammable
Lower flammability limit	Not available
Upper flammability limit	Not available
Lower explosive limit	Not available
Upper explosive limit	Not available
Vapour Pressur	0,052 KPa
Density of vapours	Not available
Relative density	0,957 Kg/l
Solubility in water	Partially soluble in water
Distribution coefficient/n-octano/water	Not available
Auto-ignition temperature	Not available
Decomposition temperature:	Not available
Viscosity	Not available
Explosive properties	Not available
Oxidizing properties	Not available

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## 9.2. Other information

VOC (Directive 1999/13/CE) : 100,00 % - 7,00 g/litro.  
VOC (volatile carbon): 84,00 % - 803,51 g/litro.

## SECTION 10. Stability and reactivity

### 10.1. Reactivity

There is no particular danger of reaction with other substances under normal conditions of use.

DIPROPYLENE GLYCOL MONOMETHYL ETHER: it may react with oxidants. When heated to decomposition, it emits acrid and irritating fumes and vapours.

### 10.2. Chemical stability

The product is stable under normal conditions of use and storage.

### 10.3. Possibility of dangerous reactions

Under normal conditions of use and storage no dangerous reactions are foreseeable.

### 10.4. Conditions to Avoid

None in particular. However, follow the usual precautions against chemicals.

### 10.5. Incompatible materials

Information not available.

### 10.6. Dangerous decomposition products

Information not available.

## SECTION 11. Toxicological information

### 11.1. Information on toxicological effects

In the absence of experimental toxicological data on the product itself, any health hazards of the product have been assessed on the basis of the properties of the substances contained, in accordance with the criteria laid down in the reference legislation for classification. Therefore, consider the concentration of the individual and dangerous substances mentioned in Sec. 3, to assess the toxicological effects resulting from exposure to the product.

Information not available.

## SECTION 12. Ecological information

Use it according to good working practices, avoiding dispersing the product into the environment. Inform the competent authorities if the product has reached waterways or sewerage or has contaminated the soil or scrubbing.

### 12.1. Toxicity

Information not available.

### 12.2. Persistence and degradability

DIPROPYLENE GLYCOL  
MONOMETHYL ETHER

Solubility in water mg/l 1000 - 10000

Quickly biodegradable

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## 12.3. Bioaccumulative potential

DIPROPYLENE GLYCOL  
MONOMETHYL ETHER

n-octanol/water partition coefficient: 0,0043

## 12.4. Mobility in soil

Information not available.

## 12.5. PBT and vPvB evaluation results

According to the available data, the product does not contain PBT or vPvB substances higher than 0.1%.

## 12.6. Other adverse effects

Information not available.

## SECTION 13. Disposal considerations

### 13.1. Methods of waste treatment

Reuse if possible. Residues of the product as such shall be considered as non-hazardous special waste. Disposal must be entrusted to a company authorised to manage waste, in compliance with national and, where appropriate, local legislation.

### CONTAMINATED PACKAGING

Contaminated packaging must be sent for recovery or disposal in accordance with national waste management rules.

## SECTION 14. Transport information

### 14.1. UN number

Not applicable.

### 14.2. UN proper shipping name

Not applicable.

### 14.3. Transport hazard class(es)

Not applicable.

### 14.4. Packing groups

Not applicable.

### 14.5. Hazards to the environment

Not applicable.

### 14.6. Special precautions for users

Not applicable.

### 14.7. Carriage of bulk in accordance with Annex II to MARPOL 73/78 and IBC code

Information not relevant.

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## SECTION 15. Regulatory information

### 15.1. Specific health, safety and environmental standards and legislation for the substance or mixture

Seveso category: None

Restrictions relating to the product or contained substances pursuant to Annex XVII to Directive (EC) No. 1907/2006:  
None.

Substances in the Candidate List (Art. 59 REACH):  
None.

Substances subject to authorization (Annex XIV REACH):  
None.

Substances subject to export notification Directive (EC) 649/2012:  
None.

Substances subject to the Rotterdam Convention:  
None.

Substances subject to the Stockholm Convention:  
None.

Healthcare checks:  
Information not available.

### 15.2. Chemical safety assessment:

A chemical safety assessment for the mixture and the substances it contains has not been elaborated yet

## SECTION 16. Other information

Text of hazard statements (H) referred to in Sections 2 to 3 of the sheet:

**EUH210**                      **Safety data sheet available on request**



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## LEGEND:

ADR: European Agreement concerning the transport of dangerous goods by road.  
CAS NUMBER: Chemical Abstract Service Number.  
EC50: Concentration that gives effect to 50% of the population subject to testing.  
EC NUMBER: ID number in ESIS (European archive of existing substances).  
CLP: Directive EC 1272/2008.  
DNEL: Derived No Effect Level.  
EmS: Emergency Schedule.  
GHS: Globally Harmonised System for classification and labeling of chemicals.  
IATA DGR: Regulation for the transport of dangerous goods by the International Air Transport Association.  
IC50: Concentration of immobilization of 50% of the population subject to testing.  
IMDG: International Maritime Code for Dangerous Goods.  
IMO: International Maritime Organization.  
INDEX NUMBER: ID number in Annex VI of the CLP.  
LC50: Lethal concentration 50%.  
LD50: Lethal dose 50%.  
OEL: Occupational Exposure Level.  
PBT: Persistent, bioaccumulative and toxic according to REACH.  
PEC: Predicted Environmental Concentration.  
PEL: predictable level of exposure.  
PNEC: Predicted No Effect Concentration.  
REACH: EC Regulation 1907/2006.  
RID: Regulations concerning the international carriage of dangerous goods by rail.  
TLV: Threshold Limit Value.  
TLV CEILING: Concentration which should not be exceeded during any time of occupational exposure.  
TWA STEL: Short Term Exposure Limit.  
TWA: Exposure Limit Weighted average.  
VOC: Volatile organic compound.  
vPvB: Very persistent and very bioaccumulative according to REACH.  
WGK: Water hazard class (Germany).

## GENERAL BIBLIOGRAPHY:

1. Directive (EC) 1907/2006 of the European Parliament (REACH).
  2. Directive (EC) 1272/2008 of the European Parliament (CLP)
  3. Directive (EC) 790/2009 of the European Parliament (I Atp. CLP).
  4. Directive (EC) 453/2010 of the European Parliament.
  5. Directive (EC) 286/2011 of the European Parliament (II Atp. CLP).
  6. Directive (EC) 618/2012 of the European Parliament (III Atp. CLP)
  7. Regulation (EU) 487/2013 of the European Parliament (IV Atp. CLP)
  8. Regulation (EU) 944/2013 of the European Parliament (V Atp. CLP)
  9. Regulation (EU) 605/2014 of the European Parliament (VI Atp. CLP)
- The Merck Index. - 10th Edition
  - Handling Chemical Safety
  - INRS - Toxicological Sheet
  - Patty - Industrial Hygiene and Toxicology
  - N.I. Sax - Dangerous properties of Industrial Materials 7 Ed.1989 Edition
  - Web Site Agency ECHA.

## NOTE TO USER:

The information in this security sheet are based on knowledge available to us at the date of the last revision. Users must verify the suitability and thoroughness of provided information according to each specific use of the product. It should not be construed as a guarantee on any specific product property. Since the use of this product is not subject to our direct control, users must, under their own responsibility, follow the laws and provisions in force concerning health and safety. We do not take responsibility for improper use. Provide adequate training to personnel involved in the use of chemicals.

Changes compared to the previous revision.

Variations have been made to the following sections: 01 / 02 / 03 / 04 / 06 / 08 / 09 / 11 / 12 / 14 / 15 / 16.