

Green Varnish Rescue

SAFETY DATA SHEET

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

1.1. Product identifier

Trade Name **Green Varnish Rescue**
Green Varnish Rescue

1.2. Relevant identified uses of substance or mixture and uses advised against
Use of **Solvent**
substance/mixture

1.3 Details of the supplier of the Safety data Sheet

Company: YOCOCU APS - YOUTH in CONSERVATION of CULTURAL HERITAGE
APS / Lab4Green s.r.l.
Address: Via Torquato Tasso n.108
Rome, Italy
E-mail: aps@yococu.com
info@lab4green.it

1.4. Emergency telephone number

For urgent information
**CENTRO ANTIVELENI: Milano (+39) 02.66101029 -
Roma (+39) 06.3054343**

SECTION 2. Hazards identification

2.1. Classification of the substance or mixture

The product is classified hazardous: Classification (REGULATION EC No 1272/2008 (CLP))
The products need of M.S.D.S. in conformity to Regulation (EU) 2015/830
Added information regarding safety risk or environment are reported in sections 11 and 12

Classification and safety risk:
ocular irritation, category 2

H319

Causes serious eye irritation

2.2. Label elements

Labelling according to REGULATION (CE) 1272/2008 (CLP)

Hazard pictogram (CLP)

Green Varnish Rescue



Signal words: Danger

Hazard statements

H319 Causes serious eye irritation

Precautionary statements :

P280 Wear protective gloves/protective clothing/eye protection/face protection
P337+P313 If irritation is persistent, get medical attention .

2.3. Other hazards

This substance is not classified as PBT or vPvB according to current EU criteria.

SECTION 3. Composition/information on ingredients

3.1. Substances

Not pertinent

3.2. Mixtures

Contains:

Identification	x = Conc. %	Classification 1272/2008 (CLP)
1,3 DIOSSOLANE		
CAS 646-06-0	30 ≤ x < 50	Flam. Liq. 2 H225, Eye Irrit. 2 H319
CE 211-463-5		
INDEX 605-017-00-2		

Full text of H-statements: see section 16

SECTION 4. First aid measures

4.1. Description of first aid measures

EYE contact; Rinse immediately with plenty of water: Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.

SKIN contact: Remove contaminated clothing immediately and wash skin with soap and water. Get medical attention if any discomfort continues.

INALATION : Move affected person to fresh air at once: Get medical attention if any discomfort continues .

INGESTION : Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Rinse mouth thoroughly with water. Give plenty of water to drink. Get medical attention if any discomfort continues.

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

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

No additional information available.

.	Revisione n. 1 Data revisione 02/09/2020
Green Varnish Rescue	Stampata il 02/09/2020 Pagina n. 3/10

SECTION 5. Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media: carbon dioxide, foam, dry powder. Water fog can be useful for flammable vapors.

Unsuitable extinguishing media: do not use a heavy water stream. It does not extinguish fire but can be useful to cool down closed vessels exposed to fire

5.2. Special hazard arising from substance or mixture.

Hazards arising from explosion in case of fire.

Overpressure in the vessels exposed to fire with explosion hazard. Avoid inhalation of combustion products.

5.3. Advice for firefighters.

General information:

Use water spray or fog for cooling exposed containers and avoid product decomposition. Wear proper protective equipment,

Collect all kind of water that cannot be discharge into the sewers.

Equipment

Proper protective equipment as positive-pressure self-contained breathing apparatus (EN 137), flame- retardant gloves (EN 659) boots for Firefighters (HO A29 or A30).

SECTION 6. Accidental release measures

6.1. Personal precaution, protective equipment and emergency procedures

Stop the spillage.

Wear adequate protection equipment (included individual protection equipment described in Sez.8 of this M.S.D.S. to prevent contamination of skin, eyes, and personal wear. These indications are valid both for users and for emergence interventions.

6.2. Environmental precautions

Clean up any spills as soon as possible, Prevent entry to sewers and public waters.

6.3. Methods and materials for containment and cleaning up.

Collect and place in suitable waste disposal containers and seal securely. Absorb spillage with inert, damp, non-combustible material

Provide adequate ventilation of the area.

6.4. References to other sections

Information regarding individual protection and waste disposal are reported in Sez. 8 and 13

SECTION 7. Handling and storage

7.1. Precaution for safe handling

Keep away from heat sources, sparks, and free flames. Don't smoke eliminate all sources of ignition. Vapors may be flammable with explosion, ensure adequate ventilation. Prevent static electricity. Don't use in handling overpressured air. Open the containers with caution. Don't eat, drink, smoke, during the use.

7.2. Condition for safe storage, including any incompatibilities.

Keep container tightly closed. Keep only in the original container in a well-ventilated area. Away from direct sun ray ,free flams, sparks ,and other switching source. Keep container away from other incompatible materials. See sez. 10.

7.3. Specific end use(s)

Not available

SECTION 8.Exposure Controls/personal protection

8.1. Control parameters

Normative requirements

DEU	Deutschland TLV-ACGIH	TRGS 900 (Fassung 31.1.2018 ber.) - Liste der Arbeitsplatzgrenzwerte und Kurzzeitwerte ACGIH 2017
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1,3 DIOSSOLANO

Green Varnish Rescue

Threshold Limit value

Tipo	Stato	TWA/8h		STEL/15min	
		mg/m3	ppm	mg/m3	ppm
AGW	DEU	310	100	620	200
MAK	DEU	310	100	620	200
TLV-ACGIH		61		20	
PNEC (water)					
PNEC water (freshwater)				19,7	mg/l
PNEC Water (Marine water)				1,97	mg/l
PNEC sediment (freshwater)				77,7	mg/kg
PNEC sediment (marine water)				7,77	mg/kg
PNEC STP				1	mg/l
PNEC soil				2,62	mg/kg

WEALTH - DNEL / DMEL

Via di Esposizione	consumers			workers				
	Local	Systemic	Cronic	Systemic cronic	Local acute	Systemic acute	Local cronic	Systemic cronic
Oral				0,63 mg/kg bw/d				
Inhalation				45,2 mg/m3				37,7 mg/m3
Dermic				0,04 mg/kg bw/d				0,04 mg/kg bw/d

8.2. Exposure controls

Ensure good ventilation of the work station

EYE/FACE Protection Non-static creating clothing and conductive shoes should be worn; any I P D must be CE approved.
 Provide an emergency shower with an eyepiece face basin.

HAND Protection

Work gloves category III (rif. norm EN 374).

SKIN Protection

Wear suitable protective clothing category I (rif. Direttiva 89/686/CEE e norma EN ISO 20344).

EYE Protection

Chemical splash goggles. (rif. norm EN 166).

RESPIRATORY PROTECTION

If ventilation is inadequate, suitable respiratory protection must be worn. Mask with filter type A (rif. norm EN 14387).

SECTION 9. Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Physical State	Liquid
Colour	Colourless
Odour	Characteristic
pH	Not applicable
Freezing point	No data available
Initial Boiling Point	140 °C
Flash Point	79 °C
Vapour Pressure	4,2 kPa

.	Revisione n. 1 Data revisione 02/09/2020
Green Varnish Rescue	Stampata il 02/09/2020 Pagina n. 5/10

Vapour density
Relative Density
Solubility (in water)

Not available
1,03
Partially soluble

9.2. Other information

Not disposable

SECTION 10. Stability and Reactivity

10.1. Reactivity

There are no known reactivity hazard associated with this product in normal conditions of use.

10.2. Chemical stability

Stable at normal ambient temperatures and when used as recommended .Stable in normal stocking conditions.

10.3. Possibility of hazardous reactions

Vapours can form explosive mixtures with air

10.4. Conditions to avoid

Avoid excessive heat for prolonged period of time, Avoid static electricity and heat sources.

10.5. Incompatible materials

Not disposable information

10.6. Hazardous decomposition materials.

Thermal decomposition or combustion may liberate gas and vapours potentially dangerous for health

SECTION 11. Toxicological information

Not be valuable the toxicity. The valuation of danger of product on health were made considering the properties of components the blend

11.1. Information on toxicological effects

Green Varnish Rescue

Metabolism , cinetic mechanism of action and other information

Not disposable

Information on mechanism of probable exposition

Not disposable

Immediate, retarded, cronic effects for short or long exposure time

Not disposable

Interactive effect

Not disposable

ACUTE TOXICITY

ATE mix orale = 3488 mg/kg Rat
ATE mix dermale = 2000 mg/kg Rat

1,3 DIOSSOLANO

LD50 (Oral) > 2000 mg/kg Rat
LC50 (Inhalation) 68,4 mg/l Rat - Sprague-Dawley

SKIN CORROSION/ IRRITATION

Not classifiable

EYE IRRITATION

Causes serious eye irritation

RESPIRATORI OR CUTANIC SENSITIZATION

Not classifiable

MUTAGENICITY

Not classifiable

CANCEROGENICITY

Not classifiable

REPROTOXICITY

Not classifiable

SECTION 12. Ecological information

.	Revisione n. 1 Data revisione 02/09/2020
Green Varnish Rescue	Stampata il 02/09/2020 Pagina n. 7/10

Utilize owing the good practice, avoiding dispersing the product in the environment.

12.1. Toxicity

1,3 DIOSSOLANO	
LC50 - Fish	> 95,4 mg/l/96h <i>Lepomis macrochirus</i>
EC50 - Shellfish	> 772 mg/l/48h <i>Daphnia magna</i>
EC50 - Alghe / Piante Acquatiche	> 877 mg/l/72h <i>Pseudokirchnerella subcapitata</i>

12.2. Persistence and degradability

1,3 DIOSSOLANO
NOT rapidly degradable

12.3. Potential bioaccumulating

1,3 DIOSSOLANO
Partition Coefficient : n-ottanolo/acqua -0,31

12.4. Mobility in soil

Not disposable

12.5. Results of PBT e vPvB assessment

This substance is classified as PBT or vPvB as % <= to 0,1%.

12.6. Other adverse effect

Not disposable

SECTION 13. Disposal considerations

13.1. Waste treatment methods

Waste should be treated as controlled waste. Dispose of waste to licensed waste disposal site in accordance with the requirements of the Local Waste Disposal Authority.

SECTION 14. Transport information

The product is not to be considered dangerous in accordance with (A.D.R.), dangerous goods on road , on railway (RID), on sea (IMDG Code) and on railway (IATA).

14.1. UN Number

Not applicable

Green Varnish Rescue

14.2. UN proper shipping name

Not applicable

14.3. Transport hazard class(es)

Not applicable

14.4. Packing group

Not applicable

14.5. Environmental hazard

No

14.6. Special precautions for user

Not applicable

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

Not applicable

SECTION 15. Regulatory information

15.1. Safety , health and environmental regulations/legislation specific for the substance or mixture

Categoria Seveso - Direttiva 2012/18/CE: None

Restriction for the product or chemical substances included as 'Allegato XVII Regolamento (CE) 1907/2006

Product
Point 3

Substances in Candidate List (Art. 59 REACH)

As for data product don't contains SVHC substances in percentage major than a 0,1%.

Substances subject to authorization (Allegato XIV REACH)

None

Substances subiet to authorization for export Reg. (CE) 649/2012:

None

15.2. Chemical safety assessment No additional information available. No necessary chemical safety valuation.

Green Varnish Rescue

SECTION 16. Other informations

Full text of H- and EUH- statements. See Sec. 2-3 of M.S.D.S.

Flam. Liq. 2	Flammable liquid, category 2
Eye Irrit. 2	Eye irritation, category 2
H225	Liquid and vapour flammable
H319	Causes serious eye irritation

LEGENDA:

- ADR: Accordo europeo per il trasporto delle merci pericolose su strada
- CAS NUMBER: Numero del Chemical Abstract Service
- EC50: Concentrazione che dà effetto al 50% della popolazione soggetta a test
- CE NUMBER: Numero identificativo in ESIS (archivio europeo delle sostanze esistenti)
- CLP: Regolamento CE 1272/2008
- DNEL: Derived no effect level
- EmS: Emergency Schedule
- GHS: Sistema armonizzato globale per la classificazione e la etichettatura dei prodotti chimici
- IATA DGR: Regolamento per il trasporto di merci pericolose della Associazione internazionale del trasporto aereo
- IC50: Concentrazione di immobilizzazione del 50% della popolazione soggetta a test
- IMDG: Codice marittimo internazionale per il trasporto delle merci pericolose
- IMO: International Maritime Organization
- INDEX NUMBER: Numero identificativo nell'Annesso VI del CLP
- LC50: Letal concentration 50%
- LD50: Letal dose 50%
- OEL: Livello di esposizione occupazionale
- PBT: Persistente, bioaccumulante e tossico secondo il REACH
- PEC: Concentrazione ambientale prevedibile
- PEL: Livello prevedibile di esposizione
- PNEC: Concentrazione prevedibile priva di effetti
- REACH: Regolamento CE 1907/2006
- RID: Regolamento per il trasporto internazionale di merci pericolose su treno
- TLV: Valore limite di soglia
- TLV CEILING: Concentrazione che non deve essere superata durante qualsiasi momento dell'esposizione lavorativa.
- TWA STEL: Limite di esposizione a breve termine
- TWA: Limite di esposizione medio pesato
- VOC: Composto organico volatile
- vPvB: Molto persistente e molto bioaccumulante secondo il REACH
- WGK: Classe di pericolosità acquatica (Germania).

GENERAL BIBLIOGRAFY

1. Regolamento (CE) 1907/2006 del Parlamento Europeo (REACH)
 2. Regolamento (CE) 1272/2008 del Parlamento Europeo (CLP)
 3. Regolamento (UE) 790/2009 del Parlamento Europeo (I Atp. CLP)
 4. Regolamento (UE) 2015/830 del Parlamento Europeo
 5. Regolamento (UE) 286/2011 del Parlamento Europeo (II Atp. CLP)
 6. Regolamento (UE) 618/2012 del Parlamento Europeo (III Atp. CLP)
 7. Regolamento (UE) 487/2013 del Parlamento Europeo (IV Atp. CLP)
 8. Regolamento (UE) 944/2013 del Parlamento Europeo (V Atp. CLP)
 9. Regolamento (UE) 605/2014 del Parlamento Europeo (VI Atp. CLP)
 10. Regolamento (UE) 2015/1221 del Parlamento Europeo (VII Atp. CLP)
 11. Regolamento (UE) 2016/918 del Parlamento Europeo (VIII Atp. CLP)
 12. Regolamento (UE) 2016/1179 (IX Atp. CLP)
 13. Regolamento (UE) 2017/776 (X Atp. CLP)
- The Merck Index. - 10th Edition
 - Handling Chemical Safety
 - INRS - Fiche Toxicologique (toxicological sheet)
 - Patty - Industrial Hygiene and Toxicology
 - N.I. Sax - Dangerous properties of Industrial Materials-7, 1989 Edition

.	Revisione n. 1 Data revisione 02/09/2020
Green Varnish Rescue	Stampata il 02/09/2020 Pagina n. 10/10

- Sito Web IFA GESTIS
- Sito Web Agenzia ECHA
- Banca dati di modelli di SDS di sostanze chimiche - Ministero della Salute e Istituto Superiore di Sanità

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