

02973-2005

SAFETY DATA SHEET (EC REGULATION No 1907/2006)
 Version: N°1 (13/12/2007)
 Name: Vitrail solvant : medium mat / matt medium - 051002

Date: 13/12/2007 Page 1/9
 Revision: N°4 (13/12/2007)
 Company: PEBEO INDUSTRIES

SAFETY DATA SHEET

1 - IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Identification of the substance or preparation:

Name: Vitrail solvant : medium mat / matt medium.
 Product code: 051002.

Company/undertaking identification:

Registered company name: PEBEO INDUSTRIES.
 Address: 305 AVENUE DU PIC DE BERTAGNE - BP106 - 13881.GEMENOS CEDEX.FRANCE.
 Telephone: 33 (0) 4.42.32.08.08. Fax:33 (0) 4.42.32.01.70. Telex:.
 cdeayne@pebeo.com
 www.pebeo.com

Emergency telephone: 33 (0) 1.45.42.59.59.

Association/Organisation: INRS / ORFILA <http://www.centres-antipoison.net>.

Use of the substance/preparation:

Paint & Varnish

2 - HAZARDS IDENTIFICATION

This product is classed: Flammable.
 May produce an allergic reaction.

Preparation classification:

Flammable.
 R 10 Flammable.

3 - COMPOSITION/INFORMATION ON INGREDIENTS

Full text of risk phrases appearing in section 3: see section 16.

Hazardous substances present on their own:

(present in the preparation at a sufficient concentration to give it the toxicological characteristics it would have in a 100% pure state)

This preparation contains no hazardous substance in this category.

Other substances representing a hazard:

No known substance in this category present.

Substances present at a concentration below the minimum danger threshold:

No known substance in this category present.

Other substances with occupational exposure limits:

INDEX	CAS	EC	Name	Symb.	R:	%
603-064-00-3	107-98-2	203-539-1	MONOPROPYLENE GLYCOL METHYL ETHER		10	2.5 <= x % < 10

Other components:

INDEX	CAS	EC	Name	Symb.	R:	%
649-327-00-6	64742-48-9	265-150-3	NAPHTHA (PETROLEUM), HYDROTREATED HEAVY	Xn	65	25 <= x % < 50

May produce an allergic reaction:

INDEX	CAS	EC	Name	Symb.	R:	%
	68409-81-4	270-066-5	ACIDES GRAS RAMIFIES EN C6-19,SELS DE COBALT	Xn N	38 43 51/53 22	0 <= x % < 2.5
616-014-00-0	96-29-7	202-496-6	2-BUTANONE OXIME	Xn	40.C3 41 43 21	0 <= x % < 2.5

4 - FIRST AID MEASURES

As a general rule, in case of doubt or if symptoms persist, always call a doctor.

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NEVER induce swallowing in an unconscious person.

In the event of exposure by inhalation:

If a large quantity is inhaled, move the patient into the fresh air and keep him/her warm and still.

In the event of splashes or contact with eyes:

Wash thoroughly with soft, clean water for 15 minutes holding the eyelids open.

Refer the patient to an ophthalmologist, in particular if there is any redness, pain or visual impairment.

In the event of splashes or contact with skin:

Remove contaminated clothing and wash the skin thoroughly with soap and water or a recognised cleaner.

DO NOT use solvents or thinners.

In the event of swallowing:

In the event of swallowing, if the quantity is small (no more than one mouthful), rinse the mouth with water and consult a doctor.

If swallowed accidentally, call a doctor to assess the need for monitoring and subsequent treatment in hospital. Show him the label.

5 - FIRE-FIGHTING MEASURES

Chemical powders, carbon dioxide and other extinguishing gas are suitable for small fires.

Suitable extinguishing media:

Carbon dioxide, chemical powders, foams, and other extinguishing gases.

Extinguishing media which must not be used for safety reasons:

Water is not generally recommended since it can be ineffective; however, it can be used successfully to cool containers exposed to the fire and to disperse fumes.

Sometimes, and due to the presence of organic material, a fire may produce a thick black smoke. Exposure to decomposition products may be hazardous to health.

Do not breathe in smoke.

Prevent the effluent of fire-fighting measures from entering drains or waterways.

Special protective equipment for fire-fighters:

Fire-fighting personnel are to be equipped with autonomous insulating breathing apparatus.

6 - ACCIDENTAL RELEASE MEASURES

Personal precautions:

On account of the organic solvents contained in the preparation, eliminate sources of ignition and ventilate the premises.

Avoid inhaling the vapors.

Consult the safety measures listed under headings 7 and 8.

Environmental precautions:

Contain and control the leaks or spills with non-combustible absorbent materials such as sand, earth, vermiculite, diatomaceous earth in drums for waste disposal.

Prevent any material from entering drains or waterways.

Use drums to dispose of waste recovered in accordance with applicable regulations (see heading 13).

If the product contaminates waterways, rivers or drains, alert the relevant authorities in accordance with statutory procedures

Methods for cleaning up:

Clean preferably with a detergent, do not use solvents.

7 - HANDLING AND STORAGE

The regulations relating to storage premises apply to workshops where the product is handled.

Handling:

Handle in well-ventilated areas.

The vapors are denser than air. They can spread along the ground and form explosive mixtures with air

Prevent the formation of flammable or explosive concentrations in air and avoid vapor concentrations higher than the occupational exposure limits.

Fire prevention:

Prevent the accumulation of electrostatic charges with connections to earth

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The preparation may become electrostatically charged; always place on the ground during transfer. Wear antistatic shoes and clothes and make floors of conductive materials.

Use the product in premises where there are no naked flames or other sources of ignition and have protected electrical equipment

Keep packages tightly closed and away from sources of heat, sparks and naked flames.

Do not use tools which may produce sparks. Do not smoke.

Prevent access by unauthorised personnel.

Recommended equipment and procedures:

For personal safety, see §8.

Observe precautions stated on label and also industrial safety regulations

Packages which have been opened must be reclosed carefully and stored in an upright position

Avoid inhaling vapors.

Prohibited equipment and procedures:

Smoking, eating and drinking are prohibited in premises where the preparation is used

Never open the packages under pressure

Storage:

Keep the container tightly closed in a dry place.

Keep away from all sources of ignition - do not smoke.

Keep well away from all sources of ignition, heat and direct sunlight

The floor must be impermeable and form a collecting basin so that, in the event of an accidental spillage, the liquid cannot spread beyond this area.

8 - EXPOSURE CONTROLS/PERSONAL PROTECTION



Use personal protection equipment as per Directive 89/686/EEC.

Technical measures:

Ensure adequate ventilation, if possible with extractor fans at work posts and appropriate general extraction.

If this ventilation is insufficient to maintain the concentration of solvent vapors below the exposure limits, wear breathing apparatus

Exposure limit values per INRS ED 984:

France	VME-ppm:	VME-mg/m3:	VLE-ppm:	VLE-mg/m3:	Notes:	TMP N°:
107-98-2	100	375	150	568	*	84 -
Germany	Class:	MAK-ppm:	MAK-mg/m3:	Notes:	Notes:	
107-98-2	I	100	370	C		
ACGIH(TLV)	TWA-ppm:	TWA-mg/m3:	STEL-ppm:	STEL-mg/m3:	Notes:	Notes:
107-98-2	100	369	150	553	-	S

Exposure limit values per 2006/15/CE, 2000/39/EC and 98/24/EC:

EC	VME-ppm:	VME-mg/m3:	VLE-ppm:	VLE-mg/m3:	Notes:
107-98-2	100	375	150	568	Peau

Exposure limit values (2003-2006):

Switzerland	VME-ppm:	VME-mg/m3:	VLE-ppm:	VLE-mg/m3:	Temps:	RSB:
107-98-2	360 mg/m3	100 ppm	720 mg/m3	200 ppm	4x15	B*
South Africa-DOL RL	TWA:	TWA:	STEL:	Ceiling:	Définition:	Critères:
107-98-2	100 ppm	300 ppm	-	-	-	-
Canada-Quebec	TWA:	STEL:	Ceiling:	Définition:	Critères:	
107-98-2	100 ppm	150 ppm	-	-	-	-
New Zealand	TWA:	STEL:	Ceiling:	Définition:	Critères:	
107-98-2	100 ppm	150 ppm	-	-	-	-
Malaysia	TWA:	STEL:	Ceiling:	Définition:	Critères:	
107-98-2	100 ppm	150 ppm	-	-	-	-

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	TWA:	STEL:	Ceiling:	Définition:	Critères:
Canada-British Columbia					
107-98-2	100 ppm	150 ppm	-	-	-
Canada-Alberta					
107-98-2	100 ppm	150 ppm	-	-	-
Australia					
107-98-2	100 ppm	150 ppm	-	-	-
Germany/AGW					
107-98-2	AGW:	AGW:	Faktor:	Bemerkungen:	
Denmark(3.4/3.4.1)					
107-98-2	TWA:	STEL:	Anm:	TWA:	STEL:
Slovakia					
107-98-2	50 ppm	185 mg/m3	-	50 ppm	Anm:
UK/WELs					
107-98-2	TWA:	STEL:	Ceiling:	Definition:	Criterion:
Ireland					
96-29-7	TWA:	STEL:	Ceiling:	Definition:	Criterion:
107-98-2	3 ppm	10 ppm	-	-	-
Hong Kong					
107-98-2	100 ppm	300 ppm	-	-	-
Czech Rep.					
107-98-2	TWA:	STEL:	Ceiling:	Definition:	Criterion:
ACGIH/TLV					
107-98-2	270 mg/m3	550 mg/m3	-	-	-
Germany/MAK					
107-98-2	TWA:	STEL:	Ceiling:	Definition:	Criterion:
Germany/TRK					
107-98-2	100 ppm	200 ppm	-	-	-
UK/OES					
107-98-2	TWA:	STEL:	Ceiling:	Definition:	Criterion:
Nederland					
107-98-2	100 ppm	150 ppm	-	-	-
Suomi/Finlande					
107-98-2	TWA:	STEL:	Ceiling:	Definition:	Criterion:
Belgique					
107-98-2	100 ppm	150 ppm	-	-	-
Norsk					
107-98-2	TWA:	STEL:	Ceiling:	Definition:	Criterion:
Polska					
64742-48-9	50 ppm	-	-	-	-
107-98-2	TWA:	STEL:	Ceiling:	Definition:	Criterion:
España					
107-98-2	300 mg/m3	900 mg/m3	-	-	-
Sverige					
107-98-2	TWA:	STEL:	Ceiling:	Definition:	Criterion:
USA/AIHA WEEL					
96-29-7	180 mg/m3	360 mg/m3	-	-	-
USA/NIOSH REL					
107-98-2	TWA:	STEL:	Ceiling:	Definition:	Criterion:
	10 ppm	-	-	-	-
	TWA:	STEL:	Ceiling:	Definition:	Criterion:
	100 ppm	150 ppm	-	-	-

Respiratory protection:

Where workers encounter concentrations higher than the exposure limits, they must wear suitable, approved masks.

Hand protection:

Protective creams may be used for exposed skin, but they should not be applied after contact with the product.

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In the event of prolonged or repeated contact with the hands, use appropriate gloves.

Eye and face protection:

Use eye protectors designed to protect against liquid splashes

Skin protection:

For further information, see § 11 of S.D.S. - Toxicological information.

9 - PHYSICAL AND CHEMICAL PROPERTIES

General information:

Physical state: viscous liquid

Important health, safety and environmental information:

pH of the substance or preparation: not relevant.

The pH is impossible to measure or its value is not relevant.

Boiling point/boiling range: 150 °C.

Flash point interval: 23°C. < Flash point: <= 55°C.

Flash point: 28.60 °C.

vapour pressure: Below 110 kPa (1.10 bar).

Density: < 1

Density: 0,9

water solubility: Dilutable.

Other information:

melting point/melting range: not relevant.

Self-ignition temperature: not specified.

Decomposition point/decomposition range : not relevant.

% VOC: 53,7 %

VOC (g/l): 494.34

10 - STABILITY AND REACTIVITY

When exposed to high temperatures, the preparation may release dangerous decomposition products such as carbon monoxide and dioxide, smoke and nitrogen oxide

11 - TOXICOLOGICAL INFORMATION

No data is available regarding the preparation itself.

Exposure to vapors from solvents contained in the preparation beyond the exposure limits stated may produce effects harmful to health, such as:

Irritation of mucous membrane and respiratory system, kidneys, liver and central nervous system.

Symptoms produced will include headaches, numbness, dizziness, fatigue, muscular asthenia and, in extreme cases, loss of consciousness.

Prolonged or repeated contact with the preparation may strip the skin of its natural oil and thus cause non-allergic dermatitis on contact and absorption through the epidermis.

Splashes in the eyes may cause irritation and reversible damage

12 - ECOLOGICAL INFORMATION

No ecological data on the product itself is available.

The product must not be allowed to run into drains or waterways.

Other adverse effects:

Germany: WGK 1 (VwVwS vom 17/05/99, KBws)

13 - DISPOSAL CONSIDERATIONS

Do not pour into drains or waterways.

Waste:

Recycle or dispose of waste in compliance with current legislation, preferably via a certified collector or company.

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Do not contaminate the ground or water with waste, do not dispose of waste into the environment.

Soiled packaging:

Empty container completely. Keep label(s) on container.

Give to a certified disposal contractor.

Codes of wastes (Decision 2001/573/EC, Directive 2006/12/EEC, Directive 94/31/EEC on hazardous waste) :

08 01 11 * waste paint and varnish containing organic solvents or other dangerous substances

14 - TRANSPORT INFORMATION

Transport product in compliance with provisions of the ADR for road, RID for rail, IMDG for sea and ICAO/IATA for air transport (ADR 2007 - IMDG 2006 - ICAO/IATA 2007).

UN1263=PAINT (including paint, lacquer, enamel, stain, shellac, varnish, polish, liquid filler and liquid lacquer base) or PAINT RELATED MATERIAL (including paint thinning and reducing compound)

ADR/RID	Class	Code	Pack gr.	Label	Ident.	LQ	Provis.
	3	F1	III	3	30	LQ7	163 640E 650



Not subject to this regulation if Q < 450L.

IMDG	Class	2°Label	Pack gr.	LQ	EMS	Provis.
	3	-	III	5 L	F-E,S-E	163 223 944 955

Not subject to this regulation if Q < 30l

IATA	Class	2°Label	Pack gr.	Passager	Passager	Cargo	Cargo	note
	3	-	III	309	60 L	310	220 L	A3 A72
	3	-	III	Y309	10 L	-	-	-

15 - REGULATORY INFORMATION

This preparation was classified in compliance with the directive known as <All preparations> 1999/45/EC and its adaptations In addition directive 2004/73/EC with the 29° adaptation of directive 67/548/EEC (Hazardous substances) have been taken into account.

Preparation classification:

Flammable.

Contains:

Contains ACIDES GRAS RAMIFIES EN C6-19,SELS DE COBALT. May produce an allergic reaction.
 Contains 616-014-00-0 2-BUTANONE OXIME. May produce an allergic reaction.

Particular hazards associated with the preparation and safety recommendations:

R 10	Flammable.
S 2	Keep out of the reach of children.
S 46	If swallowed, seek medical advice immediately and show this container or label.
S 23	Ne pas respirer les vapeurs.
S 24	Avoid contact with skin.
S 51	Use only in well-ventilated areas.
S 62	If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.

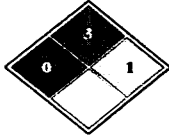
Particular provisions:

Germany: WGK 1 (VwVwS vom 17/05/99, KBws)

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NFPA 704 Label: Health=0 Flammability=3 Instability=1 Special Hazards=none



16 - OTHER INFORMATION

Since the user's working conditions are not known by us, the information supplied on this safety data sheet is based on our current level of knowledge and on national and community regulations.

The product must not be used for any purposes other than those specified under heading 1 without first obtaining written handling instructions.

It is at all times the responsibility of the user to take all necessary measures to comply with legal requirements and local regulations.

The information given on this safety data sheet must be regarded as a description of the safety requirements relating to our product and not a guarantee of its properties

Full text of risk phrases appearing in section 3:

R 10	Flammable.
R 21	Harmful in contact with skin.
R 22	Harmful if swallowed.
R 38	Irritating to skin.
R 40.C3	Limited evidence of a carcinogenic effect.
R 41	Risk of serious damage to eyes.
R 43	May cause sensitisation by skin contact.
R 51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R 65	Harmful: may cause lung damage if swallowed.

2004/42/EC (COV):

The permitted European levels of VOC in the ready-to-use product (category IIAi) are 600 g/l maximum in 2007 and 500 g/l maximum in 2010.

Difference Report

Revision: N°4 (13/12/2007) / Version: N°1 (13/12/2007)

Revision: N°2 (02/11/2005) / Version: N°2 (02/05/2007)

3 - COMPOSITION/INFORMATION ON INGREDIENTS

Substances present at a concentration below the minimum danger threshold:

Substances present at a concentration below the minimum danger threshold:	Other substances with occupational exposure limits:					
603-106-00-0	1589-17-5	216-455-5	2-METHOXYPROPANOL	T	61-62-10-37/38-11	0 <= x % < 2.5
603-064-00-3	107-98-2	203-539-1	MONOPROPYLENE GLYCOL-METHYL ETHER		10	2.5 <= x % < 50
603-064-00-3	107-98-2	203-539-1	MONOPROPYLENE GLYCOL-METHYL ETHER		10	2.5 <= x % < 10

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5 - FIRE-FIGHTING MEASURES

Special protective equipment for fire-fighters:

~~Due to the toxicity of the gas emitted on thermal decomposition of the products, fire fighting personnel are to be equipped with autonomous insulating breathing apparatus.~~

8 - EXPOSURE CONTROLS/PERSONAL PROTECTION



Exposure limit values per INRS ED 984:

1589-47-5	H+1	20	75	B		
Exposure limit values (2003-2006):						
1589-47-5	19 mg/m ³	5 ppm	152 mg/m ³	40 ppm	4x15-	R
1589-47-5	5 ml/m ³	19 mg/m ³	8(H)	DFG, H, Z		
1589-47-5	20 ppm	75 mg/m ³		20 ppm		
1589-47-5	20 ppm	75 mg/m ³	H+1			
1589-47-5	5 ppm	40 ppm	-	-	-	
1589-47-5	5 ppm	19 mg/m ³	4	DFG-H		
1589-47-5	19 ppm	-	-	-	-	
1589-47-5	20 ppm	-	-	-	-	
1589-47-5	20 ppm	-	-	-	-	

Hand protection:

~~Due to the solvents present, it is recommended that neoprene rubber or nitrile rubber gloves be worn~~

In the event of prolonged or repeated contact with the hands, use appropriate gloves.

9 - PHYSICAL AND CHEMICAL PROPERTIES

Other information:

melting point/melting range:	not specified.
Decomposition point/decomposition range:	not specified.
VOC (g/l):	483
melting point/melting range:	not relevant.
Decomposition point/decomposition range :	not relevant.
VOC (g/l):	494.34

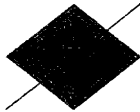
12 - ECOLOGICAL INFORMATION

Other adverse effects:

Germany: WGK 1 (VwVwS vom 17/05/99, KBws)

14 - TRANSPORT INFORMATION

ADR/RID	Class	Code	Pack gr.	Label	Ident.	LQ	Provis.
3	F+	HH	3	30	LQ7		163-640-650E



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3 F1 III 3 30 LQ7 163 640E 650



15 - REGULATORY INFORMATION

Particular hazards associated with the preparation and safety recommendations:

S 23 ~~Do not breathe gas/fumes/vapour/spray (appropriate wording to be specified by the manufacturer).~~
 S 41 ~~In case of fire and/or explosion do not breathe fumes.~~
 S 23 Ne pas respirer les vapeurs.

Particular provisions:

Germany: WGK 1 (VwVwS vom 17/05/99, KBws)

NFPA 704 Label: Health=0 Flammability=3 Instability=1 Special Hazards=none



16 - OTHER INFORMATION

Full text of risk phrases appearing in section 3:

R 37/38 ~~Irritating to respiratory system and skin.~~
 R 61/G2 ~~May cause harm to the unborn child.~~