

V3400

SAFETY DATA SHEET (REGULATION (EC) No 1907/2006 - REACH)
Name: Vitrail Solvant : autres couleurs / other colours - 050016

Version 11.1 (24/02/2010) - Page 1/9
Company: PEBEO INDUSTRIES

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SAFETY DATA SHEET

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

Identification of the substance or preparation:

Name: Vitrail Solvant : autres couleurs / other colours.
Product code: 050016.

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.
cedeyne@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:

Paints & Varnishes for artists

2 - HAZARDS IDENTIFICATION

This product is classified: 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:

INDEX	CAS	EC	Name	Symb.	R:	%
	34590-94-8	252-104-2	DIPROPYLENGLYCOLMETHYLETHER	Xi	38 53	2.5 <= x % < 10
603-064-00-3	107-98-2	203-539-1	MONOPROPYLENE GLYCOL METHYL ETHER		10 67	10 <= x % < 25

Other substances with occupational exposure limits:

No known substance in this category present.

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:	%
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.
NEVER induce swallowing in an unconscious person.

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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.

In the event of fire, use specifically suitable extinguishing agents. Never use water.

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.

A fire will often 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

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

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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	50	188	100	375	*	84
34590-94-8	50	308	-	-	*	84
Germany	Class:	MAK-ppm:	MAK-mg/m3:	Notes:	Notes:	
107-98-2	I	100	370	C		
34590-94-8	I	50	310	-		
ACGIH(TLV)	TWA-ppm:	TWA-mg/m3:	STEL-ppm:	STEL-mg/m3:	Notes:	Notes:
107-98-2	100	369	150	553	-	S
34590-94-8	100	606	150	909	*	S

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

EC	VME-mg/m3:	VME-ppm:	VLE-mg/m3:	VLE-ppm:	Notes:
107-98-2	375	100	568	150	Peau
34590-94-8	308	50	-	-	Peau

Exposure limit values (2003-2006):

South Africa-DOL RL	TWA:	STEL:	Ceiling:	Definition:	Criterion:	
107-98-2	100 ppm	300 ppm	-	-	-	
New Zealand	TWA:	STEL:	Ceiling:	Definition:	Criterion:	
107-98-2	100 ppm	150 ppm	-	-	-	
Hong Kong	TWA:	STEL:	Ceiling:	Definition:	Criterion:	
107-98-2	100 ppm	150 ppm	-	-	-	
Switzerland	VME-mg/m3:	VME-ppm:	VLE-mg/m3:	VLE-ppm:	Temps:	RSB:
107-98-2	360	100	720	200	4x15	B
34590-94-8	300	50	300	50	15 min	-

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Canada-Quebec	TWA:	STEL:	Ceiling:	Definition:	Criteria:	
107-98-2	100 ppm	150 ppm	-	-	-	
34590-94-8	100 ppm	150 ppm	-	-	-	
Mexico	TWA:	STEL:	Ceiling:	Definition:	Criterion:	
34590-94-8	100 ppm	150 ppm	-	-	-	
Malaysia	TWA:	STEL:	Ceiling:	Definition:	Criterion:	
107-98-2	100 ppm	150 ppm	-	-	-	
34590-94-8	100 ppm	-	-	-	-	
Canada-British Columbia	TWA:	STEL:	Ceiling:	Definition:	Criterion:	
107-98-2	100 ppm	150 ppm	-	-	-	
34590-94-8	100 ppm	150 ppm	-	-	-	
Canada-Alberta	TWA:	STEL:	Ceiling:	Definition:	Criterion:	
107-98-2	100 ppm	150 ppm	-	-	-	
34590-94-8	100 ppm	150 ppm	-	-	-	
Australia	TWA:	STEL:	Ceiling:	Definition:	Criterion:	
107-98-2	100 ppm	150 ppm	-	-	-	
34590-94-8	100 ppm	150 ppm	-	-	-	
Germany/AGW	AGW:	AGW:	Faktor:	Bemerkungen:		
107-98-2	100 ml/m3	370 mg/m3	2(l)	DFG, Y		
34590-94-8	50 ml/m3	310 mg/m3	1(l)	DFG, EU		
Denmark(3.4/3.4.1)	TWA:	STEL:	Anm:	TWA:	STEL:	Anm:
107-98-2	50 ppm	185 mg/m3		50 ppm		
34590-94-8	50 ppm	300 mg/m3	H			
Slovakia	TWA:	STEL:	Ceiling:	Definition:	Criterion:	
107-98-2	100 ppm	375 mg/m3		568 mg/m3		
34590-94-8	50 ppm	308 mg/m3				
UK/WELs	TWA:	STEL:	Ceiling:	Definition:	Criterion:	
107-98-2	100 ppm	150 ppm	-	-	-	
34590-94-8	50 ppm	-	-	-	-	
Ireland	TWA:	STEL:	Ceiling:	Definition:	Criterion:	
96-29-7	3 ppm	10 ppm	-	-	-	
107-98-2	100 ppm	300 ppm	-	-	-	
34590-94-8	50 ppm	100 ppm	-	-	-	
Czech Rep.	TWA:	STEL:	Ceiling:	Definition:	Criterion:	
107-98-2	270 mg/m3	550 mg/m3	-	-	-	
34590-94-8	270 mg/m3	550 mg/m3	-	-	-	
ACGIH/TLV	TWA:	STEL:	Ceiling:	Definition:	Criterion:	
107-98-2	100 ppm	150 ppm	-	-	-	
34590-94-8	100 ppm	150 ppm	-	-	-	
Germany/MAK	TWA:	STEL:	Ceiling:	Definition:	Criterion:	
107-98-2	100 ppm	200 ppm	-	-	-	
34590-94-8	50 ppm	50 ppm	-	-	-	
Germany/TRK	TWA:	STEL:	Ceiling:	Definition:	Criterion:	
107-98-2	100 ppm	370 mg/m3	=1=	Y DFG, EU	-	
34590-94-8	50 ppm	310 mg/m3	=1=	DFG, EU	-	
UK/OES	TWA:	STEL:	Ceiling:	Definition:	Criterion:	
107-98-2	100 ppm	150 ppm	-	-	-	
34590-94-8	50 ppm	-	-	-	-	
Nederland	TWA:	STEL:	Ceiling:	Definition:	Criterion:	
107-98-2	100 ppm	-	-	-	-	
34590-94-8	50 ppm	-	-	-	-	
China	TWA:	STEL:	Ceiling:	Definition:	Criterion:	
34590-94-8	600 mg/m3	900 mg/m3	-	-	-	
Suomi/Finlande	TWA:	STEL:	Ceiling:	Definition:	Criterion:	

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107-98-2	100 ppm	150 ppm	-	-	-
34590-94-8	50 ppm	-	-	-	-
Belgique	TWA:	STEL:	Ceiling:	Definition:	Criterion:
107-98-2	100 ppm	150 ppm	-	-	-
34590-94-8	50 ppm	-	-	-	-
Norsk	TWA:	STEL:	Ceiling:	Definition:	Criterion:
107-98-2	50 ppm	-	-	-	-
34590-94-8	50 ppm	-	-	-	-
Polska	TWA:	STEL:	Ceiling:	Definition:	Criterion:
64742-48-9	300 mg/m3	900 mg/m3	-	-	-
107-98-2	180 mg/m3	360 mg/m3	-	-	-
34590-94-8	240 mg/m3	480 mg/m3	-	-	-
España	TWA:	STEL:	Ceiling:	Definition:	Criterion:
107-98-2	100 ppm	150 ppm	-	-	-
34590-94-8	50 ppm	-	-	-	-
Sverige	TWA:	STEL:	Ceiling:	Definition:	Criterion:
107-98-2	50 ppm	75 ppm	-	-	-
34590-94-8	50 ppm	75 ppm	-	-	-
USA/AHIA WEEL	TWA:	STEL:	Ceiling:	Definition:	Criterion:
96-29-7	10 ppm	-	-	-	-
USA/NIOSH REL	TWA:	STEL:	Ceiling:	Definition:	Criterion:
107-98-2	100 ppm	150 ppm	-	-	-
34590-94-8	100 ppm	150 ppm	-	-	-
USA/NIOSH IDLH	TWA:	STEL:	Ceiling:	Definition:	Criterion:
34590-94-8	-	-	500 ppm	-	-
USA/OSHA PEL	TWA:	STEL:	Ceiling:	Definition:	Criterion:
34590-94-8	100 ppm	150 ppm	-	-	-

Respiratory protection:

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

Anti-gas filters :

- A1,A2,A3 (brown)

Hand protection:

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

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

Type of gloves recommended :

- Nitrile
- PVA (polyvinylalcohol)

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:

fluid 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:

180 °C.

Flash point interval:

23°C <= Flash point <= 55°C

Flash point:

28.40 °C.

Vapour pressure:

Below 110 kPa (1.10 bar).

Density:

< 1

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Water solubility:	Insoluble.
Other information:	
melting point/melting range:	not relevant.
Self-ignition temperature:	not specified.
Decomposition point/decomposition range :	not relevant.
VOC (g/l):	477.05

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.

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.

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) :

20 01 27 * paint, inks, adhesives and resins containing 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 2009 - IMDG 2008 - ICAO/IATA 2009).

Classification:



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.	EQ	Cat.	Tunnel
	3	F1	III	3	30	LQ7	163 640E 650	E1	3	D/E

IMDG	Class	2°Label	Pack gr.	LQ	EMS	Provis.	EQ
	3	-	III	5 L	F-E-S-E	163 223 955	E1

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IATA	Class	2°Label	Pack gr.	Passager	Passager	Cargo	Cargo	note	EQ
	3	-	III	309	60 L	310	220 L	A3 A72	E1
	3	-	III	Y309	10 L	-	-	A3 A72	E1

15 - REGULATORY INFORMATION

Classification by:

So called 'all preparations' Directive 1999/45/EC and its adaptations.
EC regulation 1272/2008 (CLP) and its adaptations (EC regulation 790/2009).

Preparation classification:
Flammable

Contains:

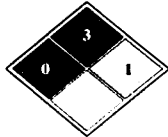
Contains 202-496-6 2-BUTANONE OXIME. May produce an allergic reaction.

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 Do not breathe vapour
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:

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 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 53 May cause long-term adverse effects in the aquatic environment.
R 65 Harmful: may cause lung damage if swallowed.

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Vapours may cause drowsiness and dizziness.

Difference Report

Revision: N°11 (24/02/2010) / Version: N°1 (24/02/2010)

~~Revision: N°10 (06/02/2009) / Version: N°2 (09/06/2009)~~**3 - COMPOSITION/INFORMATION ON INGREDIENTS**

Other substances with occupational exposure limits:

603-064-00-3	107-98-2	203-539-1	MONOPROPYLENE GLYCOL METHYL ETHER		10	10 <= x % < 25
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Substances present at a concentration below the minimum danger threshold:

	34590-94-8	252-104-2	DIPROPYLENGLYCOLMETHYLETHE R	Xi	38 53	2.5 <= x % < 10
603-064-00-3	107-98-2	203-539-1	MONOPROPYLENE GLYCOL METHYL ETHER		10 67	10 <= x % < 25

8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure limit values per INRS ED 984:

34590-94-8	50	308	-	-	*	84
34590-94-8	1	50	310	-		
34590-94-8	100	606	150	909	*	S

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

34590-94-8	308	50	-	-	Peau	
34590-94-8	300	50	300	50	15 min	-
34590-94-8	100 ppm	150 ppm	-	-	-	-
Mexico	TWA:	STEL:	Ceiling:	definition:	Criterion:	
34590-94-8	100 ppm	150 ppm	-	-	-	-
34590-94-8	100 ppm	-	-	-	-	-
34590-94-8	100 ppm	150 ppm	-	-	-	-
34590-94-8	100 ppm	150 ppm	-	-	-	-
34590-94-8	100 ppm	150 ppm	-	-	-	-
34590-94-8	50 ml/m3	310 mg/m3	1(f)	DFG, EU		
34590-94-8	50 ppm	300 mg/m3	H			
34590-94-8	50 ppm	308 mg/m3				
34590-94-8	50 ppm	-	-	-	-	-
34590-94-8	50 ppm	100 ppm	-	-	-	-
34590-94-8	270 mg/m3	550 mg/m3	-	-	-	-
34590-94-8	100 ppm	150 ppm	-	-	-	-
34590-94-8	50 ppm	50 ppm	-	-	-	-
34590-94-8	50 ppm	310 mg/m3	=1=	DFG, EU		
34590-94-8	50 ppm	-	-	-	-	-
34590-94-8	50 ppm	-	-	-	-	-
China	TWA:	STEL:	Ceiling:	Definition:	Criterion:	
34590-94-8	600 mg/m3	900 mg/m3	-	-	-	-
34590-94-8	50 ppm	-	-	-	-	-
34590-94-8	50 ppm	-	-	-	-	-
34590-94-8	50 ppm	-	-	-	-	-
34590-94-8	240 mg/m3	480 mg/m3	-	-	-	-
34590-94-8	50 ppm	-	-	-	-	-

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34590-94-8	50 ppm	75 ppm	-	-	-
34590-94-8	100 ppm	150 ppm	-	-	-
USA/NIOSH IDLH TWA:		STEL:	Ceiling:	Definition:	Criterion:
34590-94-8	-	-	500 ppm	-	-
USA/OSHA PEL TWA:		STEL:	Ceiling:	Definition:	Criterion:
34590-94-8	100 ppm	150 ppm	-	-	-

9 - PHYSICAL AND CHEMICAL PROPERTIES

Other information:

VOC (g/l):	0.57
melting point/melting range:	not relevant.
Decomposition point/decomposition range :	not relevant.
VOC (g/l):	477.05

13 - DISPOSAL CONSIDERATIONS

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~~
20 01 27 * paint, inks, adhesives and resins containing dangerous substances

14 - TRANSPORT INFORMATION

IMDG	Class	2°Label	Pack gr.	LQ	EMS	Provis.	EQ			
3	-	III	309	60 L	310	220 L	A3 A72	-	-	-
3	-	III	Y309	10 L	-	-	A3 A72	-	-	-
	3	-	III	309	60 L	310	220 L	A3 A72	E1	
	3	-	III	Y309	10 L	-	-	A3 A72	E1	

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 2008/58/EC with the 30° adaptation of directive 67/548/EEC (Hazardous substances) has been taken into account.~~

Classification by:

So called 'all preparations' Directive 1999/45/EC and its adaptations.
EC regulation 1272/2008 (CLP) and its adaptations (EC regulation 790/2009).

16 - OTHER INFORMATION

Full text of risk phrases appearing in section 3:

R 38 Irritating to skin.
R 53 May cause long-term adverse effects in the aquatic environment.
R 67 Vapours may cause drowsiness and dizziness.