
SAFETY DATA SHEET

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

Identification of the substance or preparation:

Name: Medium à craqueler étape 1 / crackle medium step 1.
Product code: 051004.

Company/undertaking identification:

Registered company name: PEBEO S A.
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.
cdeyneyne@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 not classified as flammable. Refer to the recommendations regarding the other products present on the site
This preparation is not classified as hazardous to health by directive 1999/45/EC.

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:

CE 252-104-2 DIPROPYLENGLYCOLMETHYLEETHER | Concentration $\geq 0.00\%$ and $< 2.50\%$. Symbol: Xi R: 38-53

Other substances with occupational exposure limits:

No known substance in this category present.

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.

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.

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5 - FIRE-FIGHTING MEASURES

Not relevant.

6 - ACCIDENTAL RELEASE MEASURES

Personal precautions:

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.

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.

Fire prevention:

Prevent access by unauthorised personnel.

8 - EXPOSURE CONTROLS/PERSONAL PROTECTION



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

Technical measures:

Personnel shall wear regularly laundered overalls.

Exposure limit values per INRS ED 984:

Country	VME-ppm:	VME-mg/m3:	VLE-ppm:	VLE-mg/m3:	Notes:	TMP N°:
France	50	308	-	-	*	84
Germany	Class:	MAK-ppm:	MAK-mg/m3:	Notes:	Notes:	
34590-94-8	I	50	310	-		
ACGIH(TLV)	TWA-ppm:	TWA-mg/m3:	STEL-ppm:	STEL-mg/m3:	Notes:	Notes:
34590-94-8	100	606	150	909	*	S

Exposure limit values per 2009/161/EU, 2006/15/CE, 2000/39/EC and 98/24/EC:

EC	VME-mg/m3:	VME-ppm:	VLE-mg/m3:	VLE-ppm:	Notes:
34590-94-8	308	50	-	-	Peau

Exposure limit values (2003-2006):

Country	VME-mg/m3:	VME-ppm:	VLE-mg/m3:	VLE-ppm:	Temps:	RSB:
Switzerland	300	50	300	50	15 min	-
Canada-Quebec	TWA:	STEL:	Ceiling:	Definition:	Criteria:	
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:	
34590-94-8	100 ppm	-	-	-	-	
Canada-British Columbia	TWA:	STEL:	Ceiling:	Definition:	Criterion:	
34590-94-8	100 ppm	150 ppm	-	-	-	
Canada-Alberta	TWA:	STEL:	Ceiling:	Definition:	Criterion:	
34590-94-8	100 ppm	150 ppm	-	-	-	
Australia	TWA:	STEL:	Ceiling:	Definition:	Criterion:	
34590-94-8	100 ppm	150 ppm	-	-	-	

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Country/Region	AGW:	AGW:	Faktor:	Bemerkungen:			
Germany/AGW	AGW:	AGW:	Faktor:	Bemerkungen:			
34590-94-8	50 ml/m3	310 mg/m3	1(I)	DFG, EU			
Denmark(3.4/3.4.1)	TWA:	STEL:	Anm:	TWA:	STEL:	Anm:	
34590-94-8	50 ppm	300 mg/m3	H				
Slovakia	TWA:	STEL:	Ceiling:	Definition:	Criterion:		
34590-94-8	50 ppm	308 mg/m3					
UK/WELs	TWA:	STEL:	Ceiling:	Definition:	Criterion:		
34590-94-8	50 ppm	-	-	-	-		
Ireland	TWA:	STEL:	Ceiling:	Definition:	Criterion:		
34590-94-8	50 ppm	100 ppm	-	-	-		
Czech Rep.	TWA:	STEL:	Ceiling:	Definition:	Criterion:		
34590-94-8	270 mg/m3	550 mg/m3	-	-	-		
ACGIH/TLV	TWA:	STEL:	Ceiling:	Definition:	Criterion:		
34590-94-8	100 ppm	150 ppm	-	-	-		
Germany/MAK	TWA:	STEL:	Ceiling:	Definition:	Criterion:		
34590-94-8	50 ppm	50 ppm	-	-	-		
Germany/TRK	TWA:	STEL:	Ceiling:	Definition:	Criterion:		
34590-94-8	50 ppm	310 mg/m3	=1=	DFG, EU	-		
UK/OES	TWA:	STEL:	Ceiling:	Definition:	Criterion:		
34590-94-8	50 ppm	-	-	-	-		
Nederland	TWA:	STEL:	Ceiling:	Definition:	Criterion:		
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:		
34590-94-8	50 ppm	-	-	-	-		
Belgique	TWA:	STEL:	Ceiling:	Definition:	Criterion:		
34590-94-8	50 ppm	-	-	-	-		
Norsk	TWA:	STEL:	Ceiling:	Definition:	Criterion:		
34590-94-8	50 ppm	-	-	-	-		
Polska	TWA:	STEL:	Ceiling:	Definition:	Criterion:		
34590-94-8	240 mg/m3	480 mg/m3	-	-	-		
España	TWA:	STEL:	Ceiling:	Definition:	Criterion:		
34590-94-8	50 ppm	-	-	-	-		
Sverige	TWA:	STEL:	Ceiling:	Definition:	Criterion:		
34590-94-8	50 ppm	75 ppm	-	-	-		
USA/NIOSH REL	TWA:	STEL:	Ceiling:	Definition:	Criterion:		
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:

Anti-aerosol filters

- P2 (white)

Anti-gas filters :

- A2 (brown)

Hand protection:

Type of gloves recommended :

- Butyl rubber

- Neoprene

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9 - PHYSICAL AND CHEMICAL PROPERTIES

General information:

Physical state: fluid liquid

Important health, safety and environmental information:

pH of the substance or preparation: neutral.
When a pH measure is possible, it has a value of: 6.50 .
Boiling point/boiling range: not relevant.
Flash point interval: not relevant.
Vapour pressure: not relevant.
Density: > 1
Water solubility: Dilutable.

Other information:

melting point/melting range: not relevant.
Self-ignition temperature: not relevant.
Decomposition point/decomposition range : not relevant.
VOC (g/l): 20.32

10 - STABILITY AND REACTIVITY

The preparation is stable at the handling and storage conditions recommended per § 7 of the safety data sheet.

11 - TOXICOLOGICAL INFORMATION

No data is available regarding the preparation itself.
Splashes in the eyes may cause irritation and reversible damage

12 - ECOLOGICAL INFORMATION

No ecological data on the product itself is available.

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

Exempt from transport classification and labelling.
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).

15 - REGULATORY INFORMATION

This preparation is not classified as hazardous to health by directive 1999/45/EC.
This product is not classified as flammable.

Classification by:

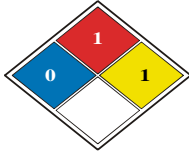
So called 'all preparations' Directive 1999/45/EC and its adaptations.
EC regulation 1272/2008 (CLP) and its adaptations (EC regulation 790/2009).

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Particular provisions:

NFPA 704 Label: Health=0 Flammability=1 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 38 Irritating to skin.
R 53 May cause long-term adverse effects in the aquatic environment.

Difference Report

Revision: N°7 (15/09/2010) / Version: N°1 (15/09/2010)

Revision: N°6 (14/05/2009) / Version: N°2 (09/06/2009)

3 - COMPOSITION/INFORMATION ON INGREDIENTS**Substances present at a concentration below the minimum danger threshold:**

~~CE 209-406-4 NATRIUMDIOCTYL SULFOSUCCINATE | Concentration >=0.00% and <2.50%. Symbol: Xn R: 36/38-22~~
CE 252-104-2 DIPROPYLENGLYCOLMETHYLEETHER | Concentration >=0.00% and <2.50%. Symbol: Xi R: 38-53

8 - EXPOSURE CONTROLS/PERSONAL PROTECTION**Exposure limit values per INRS ED 984:**

34590-94-8	50	308	-	-	*	84
34590-94-8	I	50	310	-		
34590-94-8	100	606	150	909	*	S
ACGIH(TLV)	TWA-ppm:	TWA-mg/m3:	STEL-ppm:	STEL-mg/m3:	Notes:	Notes:
34590-94-8	308	50	-	-	Peau	
Switzerland	VME-mg/m3:	VME-ppm:	VLE-mg/m3:	VLE-ppm:	Temps:	RSB:
34590-94-8	300	50	300	50	15 min	-
Canada-Quebec	TWA:	STEL:	Ceiling:	Definition:	Criteria:	
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:	
34590-94-8	100 ppm	-	-	-	-	
Canada-British Columbia	TWA:	STEL:	Ceiling:	Definition:	Criterion:	
34590-94-8	100 ppm	150 ppm	-	-	-	
Canada-Alberta	TWA:	STEL:	Ceiling:	Definition:	Criterion:	

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34590-94-8	100 ppm	150 ppm	-	-	-	
Australia	TWA:	STEL:	Ceiling:	Definition:	Criterion:	
34590-94-8	100 ppm	150 ppm	-	-	-	
Germany/AGW	AGW:	AGW:	Faktor:	Bemerkungen:		
34590-94-8	50 ml/m3	310 mg/m3	1(I)	DFG, EU		
Denmark(3.4/3.4.1)	TWA:	STEL:	Anm:	TWA:	STEL:	Anm:
34590-94-8	50 ppm	300 mg/m3	H			
Slovakia	TWA:	STEL:	Ceiling:	Definition:	Criterion:	
34590-94-8	50 ppm	308 mg/m3				
UK/WELs	TWA:	STEL:	Ceiling:	Definition:	Criterion:	
34590-94-8	50 ppm	-	-	-	-	
Ireland	TWA:	STEL:	Ceiling:	Definition:	Criterion:	
34590-94-8	50 ppm	100 ppm	-	-	-	
Czech Rep.	TWA:	STEL:	Ceiling:	Definition:	Criterion:	
34590-94-8	270 mg/m3	550 mg/m3	-	-	-	
ACGIH/TLV	TWA:	STEL:	Ceiling:	Definition:	Criterion:	
34590-94-8	100 ppm	150 ppm	-	-	-	
Germany/MAK	TWA:	STEL:	Ceiling:	Definition:	Criterion:	
34590-94-8	50 ppm	50 ppm	-	-	-	
Germany/TRK	TWA:	STEL:	Ceiling:	Definition:	Criterion:	
34590-94-8	50 ppm	310 mg/m3	=1=	DFG, EU	-	
UK/OES	TWA:	STEL:	Ceiling:	Definition:	Criterion:	
34590-94-8	50 ppm	-	-	-	-	
Nederland	TWA:	STEL:	Ceiling:	Definition:	Criterion:	
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:	
34590-94-8	50 ppm	-	-	-	-	
Belgique	TWA:	STEL:	Ceiling:	Definition:	Criterion:	
34590-94-8	50 ppm	-	-	-	-	
Norsk	TWA:	STEL:	Ceiling:	Definition:	Criterion:	
34590-94-8	50 ppm	-	-	-	-	
Polska	TWA:	STEL:	Ceiling:	Definition:	Criterion:	
34590-94-8	240 mg/m3	480 mg/m3	-	-	-	
España	TWA:	STEL:	Ceiling:	Definition:	Criterion:	
34590-94-8	50 ppm	-	-	-	-	
Sverige	TWA:	STEL:	Ceiling:	Definition:	Criterion:	
34590-94-8	50 ppm	75 ppm	-	-	-	
USA/NIOSH REL	TWA:	STEL:	Ceiling:	Definition:	Criterion:	
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	-	-	-	
EC	VME-mg/m3:	VME-ppm:	VLE-mg/m3:	VLE-ppm:	Notes:	
Germany	Class:	MAK-ppm:	MAK-mg/m3:	Notes:	Notes:	
France	VME-ppm:	VME-mg/m3:	VLE-ppm:	VLE-mg/m3:	Notes:	TMP N°:

9 - PHYSICAL AND CHEMICAL PROPERTIES**Other information:**

VOC (g4):

~~21.55~~

melting point/melting range:

not relevant.

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Self-ignition temperature:	not relevant.
Decomposition point/decomposition range :	not relevant.
VOC (g/l):	20.32
Important health, safety and environmental information:	
Boiling point/boiling range:	not relevant.

13 - DISPOSAL CONSIDERATIONS

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

~~08 01 19 * aqueous suspensions containing paint or varnish containing organic solvents or other dangerous substances~~
20 01 27 * paint, inks, adhesives and resins containing dangerous substances

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.~~

~~In addition directive 2009/2/EC with the 31° adaptation of directive 67/548/EEC (Hazardous substances) has been taken into
account.~~

~~In addition Regulation (EC) No 1272/2008 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 22	Harmful if swallowed.
R 36/38	Irritating to eyes and skin.
R 38	Irritating to skin.
R 53	May cause long-term adverse effects in the aquatic environment.

SAFETY DATA SHEET

(REACH regulation (EC) n° 1907/2006 - n° 453/2010)

SECTION 1 : IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING**1.1. Product identifier**

Product name : Vitrail solvant : médium à craqueler étape 2 / crackle medium step 2

Product code : 051005.

1.2. Relevant identified uses of the substance or mixture and uses advised against

Paints & Varnishes for artists

1.3. Details of the supplier of the safety data sheet

Registered company name : PEBEO S A.

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

1.4. Emergency telephone number : 33 (0) 1.45.42.59.59.Association/Organisation : INRS / ORFILA <http://www.centres-antipoison.net> .**SECTION 2 : HAZARDS IDENTIFICATION****2.1. Classification of the substance or mixture****In compliance with EC regulation No. 1272/2008 and its amendments.**

Flammable liquid, Category 3 (Flam. Liq. 3, H226).

May produce an allergic reaction (EUH208).

This mixture does not present a health hazard with the exception of possible occupational exposure thresholds (see paragraphs 3 and 8).

This mixture does not present an environmental hazard. No known or foreseeable environmental damage under standard conditions of use.

In compliance with directives 67/548/EEC, 1999/45/EC and their amendments.

Flammable (R 10).

May produce an allergic reaction.

This mixture does not present a health hazard with the exception of possible occupational exposure thresholds (see paragraphs 3 and 8).

This mixture does not present an environmental hazard. No known or foreseeable environmental damage under standard conditions of use.

2.2. Label elements**In compliance with EC regulation No. 1272/2008 and its amendments.**

Hazard pictograms :



GHS02

Signal Word :

WARNING

Additional labeling :

EUH208

Contains 2-BUTANONE OXIME. May produce an allergic reaction.

Hazard statements :

H226

Flammable liquid and vapour.

Precautionary statements - General :

P101

If medical advice is needed, have product container or label at hand.

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Vitrail solvant : médium à craqueler étape 2 / crackle medium step 2 - 051005

P102	Keep out of reach of children.
Precautionary statements - Prevention :	
P210	Keep away from heat/sparks/open flames/hot surfaces. — No smoking.
P240	Ground/bond container and receiving equipment.
Precautionary statements - Response :	
P370 + P378	In case of fire: Use ... for extinction.
Precautionary statements - Storage :	
P403 + P235	Store in a well-ventilated place. Keep cool.
Precautionary statements - Disposal :	
P501	Dispose of contents/container to ...

2.3. Other hazards

The mixture does not contain any substances classified as 'Substances of Very High Concern' (SVHC) by the European Chemicals Agency (ECHA) under article 57 of REACH: <http://echa.europa.eu/fr/candidate-list-table>

The mixture satisfies neither the PBT nor the vPvB criteria for mixtures in accordance with annexe XIII of the REACH regulations EC 1907/2006.

SECTION 3 : COMPOSITION/INFORMATION ON INGREDIENTS**3.1. Substances**

No substances fulfil the criteria set forth in annexe II section A of the REACH regulation (EC) n° 1907/2006.

3.2. Mixtures**Composition :**

Identification	(EC) 1272/2008	67/548/EEC	Note	%
INDEX: 649-327-00-6 CAS: 64742-48-9 EC: 265-150-3 REACH: 01-2119474196-32 NAPHTHA (PETROLEUM), HYDROTREATED HEAVY	GHS08 Dgr Asp. Tox. 1, H304	Xn Xn;R65	P [1]	25 <= x % < 50
CAS: 64742-48-9 EC: 919-857-5 REACH: 01-2119463258-33 HYDROCARBONS, C9-C11, N-ALCANES, ISOALKANES, CYCLICS, <2% AROMATICS	GHS07, GHS08, GHS02 Dgr Flam. Liq. 3, H226 Asp. Tox. 1, H304 STOT SE 3, H336 EUH:066	Xn Xn;R65 R10 R67-R66	[1]	10 <= x % < 25
INDEX: 649-330-00-2 CAS: 64742-82-1 EC: 265-185-4 NAPHTHA (PETROLEUM), HYDRODESULFURIZED HEAVY	GHS08 Dgr Asp. Tox. 1, H304	Xn Xn;R65	P [1]	2.5 <= x % < 10
INDEX: 616-014-00-0 CAS: 96-29-7 EC: 202-496-6 2-BUTANONE OXIME	GHS08, GHS05, GHS07 Dgr Carc. 2, H351 Acute Tox. 4, H312 Eye Dam. 1, H318 Skin Sens. 1, H317	Xn Carc. Cat. 3;R40 Xn;R21 Xi;R41-R43	[1] [2]	0 <= x % < 2.5

Information on ingredients :

[1] Substance for which maximum workplace exposure limits are available.

[2] Carcinogenic, mutagenic or reprotoxic (CMR) substance.

Note P: The carcinogen or mutagen classification does not apply because the substance contains less than 0.1 % w/w of benzene (EINECS 200-753-7).

SECTION 4 : FIRST AID MEASURES

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

NEVER induce swallowing by an unconscious person.

4.1. Description of first aid measures**In the event of exposure by inhalation :**

In the event of an allergic reaction, seek medical attention.

In the event of splashes or contact with eyes :

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

In the event of splashes or contact with skin :

In the event of an allergic reaction, seek medical attention.

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.

Keep the person exposed at rest. Do not force vomiting.

Seek medical attention, showing the label.

If swallowed accidentally, call a doctor to ascertain whether observation and hospital care will be necessary. Show the label.

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

No data available.

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

No data available.

SECTION 5 : FIREFIGHTING MEASURES

Flammable.

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

5.1. Extinguishing media

Keep packages near the fire cool, to prevent pressurised containers from bursting.

Suitable methods of extinction

In the event of a fire, use :

- sprayed water or water mist
- water with AFFF (Aqueous Film Forming Foam) additive
- halon
- foam
- multipurpose ABC powder
- BC powder
- carbon dioxide (CO₂)

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

Unsuitable methods of extinction

In the event of a fire, do not use :

- water jet

5.2. Special hazards arising from the substance or mixture

A fire will often produce a thick black smoke. Exposure to decomposition products may be hazardous to health.

Do not breathe in smoke.

In the event of a fire, the following may be formed :

- carbon monoxide (CO)
- carbon dioxide (CO₂)

5.3. Advice for firefighters

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

SECTION 6 : ACCIDENTAL RELEASE MEASURES**6.1. Personal precautions, protective equipment and emergency procedures**

Consult the safety measures listed under headings 7 and 8.

For non fire-fighters

Because of the organic solvents contained in the mixture, eliminate sources of ignition and ventilate the area.

For fire-fighters

Fire-fighters will be equipped with suitable personal protective equipment (See section 8).

6.2. 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.

6.3. Methods and material for containment and cleaning up

Clean preferably with a detergent, do not use solvents.

6.4. Reference to other sections

No data available.

SECTION 7 : HANDLING AND STORAGE

Requirements relating to storage premises apply to all facilities where the mixture is handled.

7.1. Precautions for safe handling

Always wash hands after handling.

Ensure that there is adequate ventilation, especially in confined areas.

Fire prevention :

Handle in well-ventilated areas.

Vapours are heavier than air. They can spread along the ground and form mixtures that are explosive with air.

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

Prevent the accumulation of electrostatic charges with connections to earth.

The mixture can become electrostatically charged : always earth during decanting operations. Wear antistatic shoes and clothing and floors should be electrically conductive.

Use the mixture in premises free of naked flames or other sources of ignition and ensure that electrical equipment is suitably protected.

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 protection, see section 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.

Prohibited equipment and procedures :

No smoking, eating or drinking in areas where the mixture is used.

7.2. Conditions for safe storage, including any incompatibilities

No data available.

Storage

Keep out of reach of children.

Keep the container tightly closed in a dry, well-ventilated place.

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

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

Avoid accumulation of electrostatic charges.

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.

Packaging

Always keep in packaging made of an identical material to the original.

7.3. Specific end use(s)

No data available.

SECTION 8 : EXPOSURE CONTROLS/PERSONAL PROTECTION**8.1. Control parameters****Occupational exposure limits :**

- Spain (Instituto Nacional de Seguridad e Higiene en el Trabajo (INSHT), Mayo 2010) :

CAS	TWA :	STEL :	Ceiling :	Definition :	Criteria :
64742-82-1	50 ppm	100 ppm	-	-	-

- Ireland (Code of practice for the safety, Health and Welfare at Work, 2010) :

CAS	TWA :	STEL :	Ceiling :	Definition :	Criteria :
96-29-7	3 ppm	10 ppm	-	-	-

- Poland (2009) :

CAS	TWA :	STEL :	Ceiling :	Definition :	Criteria :
64742-48-9	300 mg/m3	900 mg/m3	-	-	-
64742-48-9	300 mg/m3	900 mg/m3	-	-	-
64742-82-1	300 mg/m3	900 mg/m3	-	-	-

- USA / AIHA WEEL (American Industrial Hygiene Association, Workplace Environmental Exposure Limit, 2010) :

CAS	TWA :	STEL :	Ceiling :	Definition :	Criteria :
96-29-7	10 ppm	-	-	-	-

8.2. Exposure controls**Personal protection measures, such as personal protective equipment**

Pictogram(s) indicating the obligation of wearing personal protective equipment (PPE) :



Use personal protective equipment that is clean and has been properly maintained.

Store personal protective equipment in a clean place, away from the work area.

Never eat, drink or smoke during use. Remove and wash contaminated clothing before re-using. Ensure that there is adequate ventilation, especially in confined areas.

- Eye / face protection

Avoid contact with eyes.

Use eye protectors designed to protect against liquid splashes

Before handling, wear safety goggles in accordance with standard EN166.

- Hand protection

Wear suitable protective gloves in the event of prolonged or repeated skin contact.

Type of gloves recommended :

- Nitrile rubber (butadiene-acrylonitrile copolymer rubber (NBR))

- PVA (Polyvinyl alcohol)

- Body protection

Work clothing worn by personnel shall be laundered regularly.

After contact with the product, all parts of the body that have been soiled must be washed.

SECTION 9 : PHYSICAL AND CHEMICAL PROPERTIES**9.1. Information on basic physical and chemical properties****General information :**

Physical state : fluid liquid.

Important health, safety and environmental information

pH :	Not relevant.
Boiling point/boiling range :	150 °C.
Flash Point :	39.00 °C.
Vapour pressure (50°C) :	Below 110 kPa (1.10 bar).
Density :	< 1
Water solubility :	Insoluble.
Melting point/melting range :	not relevant.
Self-ignition temperature :	not specified.
Decomposition point/decomposition range :	not relevant.

9.2. Other information

VOC (g/l) :	145.04
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SECTION 10 : STABILITY AND REACTIVITY**10.1. Reactivity**

No data available.

10.2. Chemical stability

This mixture is stable under the recommended handling and storage conditions in section 7.

10.3. Possibility of hazardous reactions

When exposed to high temperatures, the mixture can release hazardous decomposition products, such as carbon monoxide and dioxide, fumes and nitrogen oxide.

10.4. Conditions to avoid

Any apparatus likely to produce a flame or to have a metallic surface at high temperature (burners, electric arcs, furnaces etc.) must not be allowed on the premises.

Avoid :

- accumulation of electrostatic charges.
- heating
- heat
- flames and hot surfaces

10.5. Incompatible materials**10.6. Hazardous decomposition products**

The thermal decomposition may release/form :

- carbon monoxide (CO)
- carbon dioxide (CO₂)

SECTION 11 : TOXICOLOGICAL INFORMATION**11.1. Information on toxicological effects**

Splashes in the eyes may cause irritation and reversible damage

11.1.1. Substances**Acute toxicity :**

HYDROCARBONS, C9-C11, N-ALCANES, ISOALKANES, CYCLICS, <2% AROMATICS (CAS: 64742-48-9)

Oral route : DL50 > 5000 mg/kg
 OECD Guideline 401 (Acute Oral Toxicity)
 Species : Rat (recommended by the CLP)

Dermal route : DL50 > 5000 mg/kg
 OECD Guideline 402 (Acute Dermal Toxicity)
 Species : Rabbit (recommended by the CLP)

Inhalation route : LC50 > 4951 mg/m³
 OECD Guideline 403 (Acute Inhalation Toxicity)

Species : Rat (recommended by the CLP)

Carcinogenicity :

HYDROCARBONS, C9-C11, N-ALCANES, ISOALKANES, CYCLICS, <2% AROMATICS (CAS: 64742-48-9)

Carcinogenicity Test :

Negative.

No carcinogenic effect.

OECD Guideline 453 (Combined Chronic Toxicity / Carcinogenicity Studies)

Reproductive toxicant :

HYDROCARBONS, C9-C11, N-ALCANES, ISOALKANES, CYCLICS, <2% AROMATICS (CAS: 64742-48-9)

No toxic effect for reproduction

OECD Guideline 414 (Prenatal Developmental Toxicity Study)

OECD Guideline 421 (Reproduction / Developmental Toxicity Screening Test)

Specific target organ systemic toxicity - repeated exposure :

HYDROCARBONS, C9-C11, N-ALCANES, ISOALKANES, CYCLICS, <2% AROMATICS (CAS: 64742-48-9)

Oral route :

Duration of exposure : 90 days

C > 100 mg/kg body weight/day

Duration of exposure : 90 days

OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity in Rodents)

Species : Rat (recommended by CLP)

Inhalation route (Vapours) :

Duration of exposure : 90 days

C > 1 mg/l/6hrs/day

Duration of exposure : 90 days

OECD Guideline 413 (Subchronic Inhalation Toxicity: 90-Day)

11.1.2. Mixture**Respiratory or skin sensitisation :**

Contains at least one sensitising substance. May cause an allergic reaction.

SECTION 12 : ECOLOGICAL INFORMATION**12.1. Toxicity****12.1.1. Substances**

HYDROCARBONS, C9-C11, N-ALCANES, ISOALKANES, CYCLICS, <2% AROMATICS (CAS: 64742-48-9)

Fish toxicity :

LC50 > 1000 mg/l

Species : Oncorhynchus mykiss

Duration of exposure : 96 h

Crustacean toxicity :

EC50 = 1000 mg/l

Species : Daphnia magna

Duration of exposure : 48 h

Algae toxicity :

ECr50 > 1000 mg/l

Species : Pseudokirchnerella subcapitata

Duration of exposure : 72 h

12.1.2. Mixtures

No aquatic toxicity data available for the mixture.

12.2. Persistence and degradability**12.2.1. Substances**

HYDROCARBONS, C9-C11, N-ALCANES, ISOALKANES, CYCLICS, <2% AROMATICS (CAS: 64742-48-9)

Biodegradability :

no degradability data is available, the substance is considered as not degrading quickly.

12.3. Bioaccumulative potential

No data available.

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

No data available.

12.6. Other adverse effects

No data available.

SECTION 13 : DISPOSAL CONSIDERATIONS

Proper waste management of the mixture and/or its container must be determined in accordance with Directive 2008/98/EC.

13.1. Waste treatment methods

Do not pour into drains or waterways.

Waste :

Waste management is carried out without endangering human health, without harming the environment and, in particular without risk to water, air, soil, plants or animals.

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

15 01 02 plastic packaging

SECTION 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 2013 - IMDG 2012 - ICAO/IATA 2013).

14.1. UN number

1263

14.2. UN proper shipping name

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)

14.3. Transport hazard class(es)

- Classification :



3

14.4. Packing group

III

14.5. Environmental hazards

-

14.6. Special precautions for user

ADR/RID	Class	Code	Pack gr.	Label	Ident.	LQ	Provis.	EQ	Cat.	Tunnel
	3	F1	III	3	30	5 L	163 650 640E	E1	3	D/E

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PEBEO S A

Vitrail solvant : médium à craqueler étape 2 / crackle medium step 2 - 051005

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

IATA	Class	2°Label	Pack gr.	Passager	Passager	Cargo	Cargo	note	EQ
	3	-	III	355	60 L	366	220 L	A3 A72	E1
	3	-	III	Y344	10 L	-	-	A3 A72	E1

For limited quantities, see part 2.7 of the OACI/IATA and chapter 3.4 of the ADR and IMDG.

For excepted quantities, see part 2.6 of the OACI/IATA and chapter 3.5 of the ADR and IMDG.

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

No data available.

SECTION 15 : REGULATORY INFORMATION**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****- Classification and labelling information included in section 2:**

The following regulations have been used:

- Directive 67/548/EEC and its adaptations
- Directive 1999/45/EC and its adaptations
- Regulation EC 1272/2008 modified by regulation EC 618/2012

- Container information:

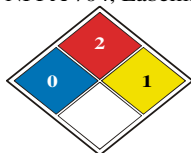
The mixture is contained in packaging that does not exceed 125 ml.

- Particular provisions :

No data available.

- Standardised American system for the identification of hazards presented by the product in view of emergency procedures (NFPA 704) :

NFPA 704, Labelling: Health=0 Inflammability=2 Instability/Reactivity=1 Specific Risk=none

**- Swiss ordinance on the incentive tax on volatile organic compounds :**

108-94-1 cyclohexanone

15.2. Chemical safety assessment

No data available.

SECTION 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 mixture must not be used for other uses than those specified in section 1 without having first obtained 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 in this safety data sheet must be regarded as a description of the safety requirements relating to the mixture and not as a guarantee of the properties thereof.

In compliance with directives 67/548/EEC, 1999/45/EC and their amendments.

Hazard symbols :

Flammable

Contains :

Contains 616-014-00-0 2-BUTANONE OXIME. May produce an allergic reaction.

Risk phrase :

R 10 Flammable.

Safety phrase :

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.

Title for H, EUH and R indications mentioned in section 3 :

H226 Flammable liquid and vapour.

H304 May be fatal if swallowed and enters airways.

H312 Harmful in contact with skin.

H317 May cause an allergic skin reaction.

H318 Causes serious eye damage.

H336 May cause drowsiness or dizziness.

H351 Suspected of causing cancer .

EUH066 Repeated exposure may cause skin dryness or cracking.

R 10 Flammable.

R 21 Harmful in contact with 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 65 Harmful: may cause lung damage if swallowed.

R 66 Repeated exposure may cause skin dryness or cracking.

R 67 Vapours may cause drowsiness and dizziness.

Abbreviations :

CMR: Carcinogenic, mutagenic or reprotoxic.

ADR : European agreement concerning the international carriage of dangerous goods by Road.

IMDG : International Maritime Dangerous Goods.

IATA : International Air Transport Association.

ICAO : International Civil Aviation Organisation

RID : Regulations concerning the International carriage of Dangerous goods by rail.

WGK : Wassergefährdungsklasse (Water Hazard Class).

GHS02 : Flame