Revision nr. 1

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# C4110 - MAX - STUCCO NITRO (colori vari)

# Safety data sheet

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

#### 1.1. Product identifier

Code: Product name C4109, C4110, C4127, C4128, C4135 MAX - STUCCO NITRO (colori vari)

# 1.2. Relevant identified uses of the substance or mixture and uses advised against Intended use Putty for the marine industry.

Uses advised against: no one in particular

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

Name Full address District and Country ILPA ADESIVI SRL Via Ferorelli, 4 70132 BARI (BARI)

**ITALIA** 

Tel. + 39 0805383837 Fax + 39 0805377807

e-mail address of the competent person

responsible for the Safety Data Sheet

aborricelli@ilpa.it

#### 1.4. Emergency telephone number

For urgent inquiries refer to

# + 39 3355405598 (Technical support - 8,00 - 17,00 - LUN-VEN; MON-FRI)(Italian time zone)

Safety Executive (HSE) Chemicals Regulation Directorate 5S.1 Redgrave Court, Merton

Road, Bootle, Merseyside. L20 7HS.

Phone: +44 151 9513317

### **SECTION 2. Hazards identification.**

### 2.1. Classification of the substance or mixture.

The product is classified as hazardous pursuant to the provisions set forth in EC Regulation 1272/2008 (CLP) (and subsequent amendments and supplements). The product thus requires a safety datasheet that complies with the provisions of EC Regulation 1907/2006 and subsequent amendments. Any additional information concerning the risks for health and/or the environment are given in sections 11 and 12 of this sheet.

Hazard classification and indication:

Flammable liquid, category 2 H225 Highly flammable liquid and vapour.

Specific target organ toxicity - single exposure, category 3 H336 May cause drowsiness or dizziness.

Hazardous to the aquatic environment, chronic toxicity, H412 Harmful to aquatic life with long lasting effects.

# 2.2. Label elements.

category 3

Hazard labelling pursuant to EC Regulation 1272/2008 (CLP) and subsequent amendments and supplements.

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### Hazard pictograms:





Signal words:

Danger

#### Hazard statements:

H225 Highly flammable liquid and vapour. H336 May cause drowsiness or dizziness.

Harmful to aquatic life with long lasting effects. H412

**EUH066** Repeated exposure may cause skin dryness or cracking.

#### Precautionary statements:

P101 If medical advice is needed, have product container or label at hand.

P102 Keep out of reach of children.

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P233 Keep container tightly closed.

Wear protective gloves / eye protection / face protection. P280 Call a POISON CENTER / doctor if you feel unwell. P312 P501 Dispose of contents / container to authorized service center

Contains: N-BUTYL ACETATE

PROPAN-2-OL

#### 2.3. Other hazards.

On the basis of available data, the product does not contain any PBT or vPvB in percentage greater than 0,1%.

# **SECTION 3. Composition/information on ingredients.**

### 3.1. Substances.

Information not relevant.

# 3.2. Mixtures.

## Contains:

Identification.	Conc. %.	Classification 1272/2008
		(CLP).

**N-BUTYL ACETATE** 

Flam. Liq. 3 H226, STOT SE CAS. 123-86-4 18 - 19,5

3 H336, EUH066

EC. 204-658-1 INDEX. 607-025-00-1 Reg. no. 01-2119485493-29

**XYLENE (MIXTURE OF ISOMERS)** 

CAS. 1330-20-7 Flam. Liq. 3 H226, Acute Tox. 4 - 4,5

4 H312, Acute Tox. 4 H332,

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Asp. Tox. 1 H304, STOT RE 2 H373, Eye Irrit. 2 H319, Skin Irrit. 2 H315, STOT SE 3

H335, Note C

EC. 215-535-7

INDEX. 601-022-00-9 Reg. no. 01-2119488216-32

**NITROCELLULOSE** 

CAS. 9004-70-0 3 - 3,5 Flam. Sol. 1 H228, Note T

EC. -

INDEX. 603-037-00-6

PROPAN-2-OL

CAS. 67-63-0 1 - 1,5 Flam. Liq. 2 H225, Eye Irrit. 2 H319, STOT SE 3 H336

EC. 200-661-7

INDEX. 603-117-00-0 Reg. no. 01-2119457558-25

**ETHYLBENZENE** 

CAS. 100-41-4 1 - 1,5 Flam. Liq. 2 H225, Acute Tox.

4 H332, Asp. Tox. 1 H304,

STOT RE 2 H373

EC. 202-849-4

INDEX. 601-023-00-4 Reg. no. 01-2119489370-35

TRIZINC BIS (ORTHOPHOSPHATE)

CAS. 7779-90-0 0,9 - 1 Aquatic Acute 1 H400 M=1, Aquatic Chronic 1 H410

EC. 231-944-3 INDEX. 030-011-00-6

Note: Upper limit is not included into the range.

The full wording of hazard (H) phrases is given in section 16 of the sheet.

### **SECTION 4. First aid measures.**

## 4.1. Description of first aid measures.

PROTECTIVE MEASURES FOR THE FIRST RESCUE WORKERS: for PPE (personal protection equipment) required for first aid refer to section 8.2 of this safety data sheet.

EYES: Remove contact lenses, if present. Wash immediately with plenty of water for at least 15 minutes, opening the eyelids fully. If problem persists, seek medical advice.

SKIN: Remove contaminated clothing. Rinse skin with a shower immediately. Get medical advice/attention immediately. Wash contaminated clothing before using it again.

INHALATION: Remove to open air. If the subject stops breathing, administer artificial respiration. Get medical advice/attention immediately.

INGESTION: Get medical advice/attention immediately. Do not induce vomiting. Do not administer anything not explicitly authorised by a doctor.

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

For symptoms and effects caused by the contained substances, see chap. 11.

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

Information not available.

# **SECTION 5. Firefighting measures.**

#### 5.1. Extinguishing media.

# SUITABLE EXTINGUISHING EQUIPMENT

Extinguishing substances are: carbon dioxide, foam, chemical powder. For product loss or leakage that has not caught fire, water spray can be used to disperse flammable vapours and protect those trying to stem the leak.

UNSUITABLE EXTINGUISHING EQUIPMENT

Do not use jets of water. Water is not effective for putting out fires but can be used to cool containers exposed to flames to prevent explosions.

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

#### HAZARDS CAUSED BY EXPOSURE IN THE EVENT OF FIRE

Excess pressure may form in containers exposed to fire at a risk of explosion. Do not breathe combustion products.

#### 5.3. Advice for firefighters.

#### GENERAL INFORMATION

Use jets of water to cool the containers to prevent product decomposition and the development of substances potentially hazardous for health. Always wear full fire prevention gear. Collect extinguishing water to prevent it from draining into the sewer system. Dispose of contaminated water used for extinction and the remains of the fire according to applicable regulations.

SPECIAL PROTECTIVE EQUIPMENT FOR FIRE-FIGHTERS

Normal fire fighting clothing i.e. fire kit (BS EN 469), gloves (BS EN 659) and boots (HO specification A29 and A30) in combination with self-contained open circuit positive pressure compressed air breathing apparatus (BS EN 137).

# SECTION 6. Accidental release measures.

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

Block the leakage if there is no hazard.

Wear suitable protective equipment (including personal protective equipment referred to under Section 8 of the safety data sheet) to prevent any contamination of skin, eyes and personal clothing. These indications apply for both processing staff and those involved in emergency procedures.

#### 6.2. Environmental precautions.

The product must not penetrate into the sewer system or come into contact with surface water or ground water.

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

Collect the leaked product into a suitable container. Evaluate the compatibility of the container to be used, by checking section 10. Absorb the remainder with inert absorbent material.

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Make sure the leakage site is well aired. Check incompatibility for container material in section 7. Contaminated material should be disposed of in compliance with the provisions set forth in point 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.

Keep away from heat, sparks and naked flames; do not smoke or use matches or lighters. Vapours may catch fire and an explosion may occur; yapour accumulation is therefore to be avoided by leaving windows and doors open and ensuring good cross ventilation. Without adequate ventilation, vapours may accumulate at ground level and, if ignited, catch fire even at a distance, with the danger of backfire. Avoid bunching of electrostatic charges. When performing transfer operations involving large containers, connect to an earthing system and wear antistatic footwear. Vigorous stirring and flow through the tubes and equipment may cause the formation and accumulation of electrostatic charges. In order to avoid the risk of fires and explosions, never use compressed air when handling. Open containers with caution as they may be pressurised. Do not eat, drink or smoke during use. Avoid leakage of the product into the environment.

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

Store only in the original container. Store the containers sealed, in a well ventilated place, away from direct sunlight. Store in a well ventilated place, keep far away from sources of heat, naked flames and sparks and other sources of ignition. Keep containers away from any incompatible materials, see section 10 for details.

#### 7.3. Specific end use(s).

No use other than specified in Section 1.2 of this safety data sheet.

# **SECTION 8. Exposure controls/personal protection.**

#### 8.1. Control parameters.

Regulatory References:

AUS BEL BGR	Österreich Belgique България	Grenzwerteverordnung 2011 - GKV 2011 AR du 11/3/2002. La liste est mise à jour pour 2010 МИНИСТЕРСТВО НА ТРУДА И СОЦИАЛНАТА ПОЛИТИКА МИНИСТЕРСТВО НА ЗДРАВЕОПАЗВАНЕТО НАРЕДБА No 13 от 30 декември 2003 г
CHE	Suisse / Schweiz	Valeurs limites d'exposition aux postes de travail 2012. / Grenzwerte am Arbeitsplatz
CYP	Κύπρος	Κ.Δ.Π. 268/2001; Κ.Δ.Π. 55/2004; Κ.Δ.Π. 295/2007; Κ.Δ.Π. 70/2012
CZE	Česká Republika	Nařízení vlády č. 361/2007 Sb. kterým se stanoví podmínky ochrany zdraví při práci
DEU	Deutschland	MAK-und BAT-Werte-Liste 2012
DNK	Danmark	Graensevaerdier per stoffer og materialer
ESP	España	INSHT - Límites de exposición profesional para agentes químicos en España 2015
EST	Eesti	Töökeskkonna keemiliste ohutegurite piirnormid 1. Vastu võetud

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18.09.2001 nr 293 RT I 2001, 77, 460 - Redaktsiooni jõustumise kp:

01.01.2008

FIN Suomi HTP-arvot 2012. Haitallisiksi tunnetut pitoisuudet - Sosiaali- ja

terveysministeriön julkaisuja 2012:5

FRA France JORF n°0109 du 10 mai 2012 page 8773 texte n° 102

GBR United Kingdom EH40/2005 Workplace exposure limits

GRC Ελλάδα ΕΦΗΜΕΡΙΣ ΤΗΣ ΚΥΒΕΡΝΗΣΕΩΣ -ΤΕΥΧΟΣ ΠΡΩΤΟ Αρ. Φύλλου 19 - 9

Φεβρουαρίου 2012

HRV Hrvatska NN13/09 - Ministarstvo gospodarstva, rada i poduzetništva

HUN Magyarország 50/2011. (XII. 22.) NGM rendelet a munkahelyek kémiai biztonságáról

IRL Éire Code of Practice Chemical Agent Regulations 2011

ITA Italia Decreto Legislativo 9 Aprile 2008, n.81

LTU Lietuva DĖL LIETUVOS HIGIENOS NORMOS HN 23:2007 CHEMINIŲ

MEDŽIAGŲ 2007 m. spalio 15 d. Nr. V-827/A1-287

LVA Latvija Ķīmisko vielu aroda ekspozīcijas robežvērtības (AER) darba vides gaisā

2012

NLD Nederland Databank of the social and Economic Concil of Netherlands (SER) Values,

AF 2011:18

NOR Norge Veiledning om Administrative normer for forurensning i arbeidsatmosfære

POL Polska ROZPORZADZENIE MINISTRA PRACY I POLITYKI SPOŁECZNEJ z dnia

16 grudnia 2011r

SVK Slovensko NAŘIADENIE VLÁDY Slovenskej republiky z 20. júna 2007

SVN Slovenija Uradni list Republike Slovenije 15. 6. 2007

SWE Sverige Occupational Exposure Limit Values, AF 2011:18

TUR Türkiye 2000/39/EC sayılı Direktifin ekidir

EU OEL EU Directive 2009/161/EU; Directive 2006/15/EC; Directive 2004/37/EC;

Directive 2000/39/EC.

TLV-ACGIH ACGIH 2014

N-BUTYL ACETATE					
Threshold Limit Value.	0	TMA (Ob		OTEL //Frein	
Туре	Country	TWA/8h		STEL/15min	
		mg/m3	ppm	mg/m3	ppm
MAK	AUS	480	100	480	100
VLEP	BEL	723	150	964	200
TLV	BGR	710		950	
VEL	CHE	480	100	960	200
MAK	CHE	480	100	960	200
TLV	CZE	950		1200	
MAK	DEU	480	100	960	200
VLA	ESP	724	150	965	200
VLEP	FRA	710	150	940	200
WEL	GBR	724	150	966	200
TLV	GRC	710	150	950	200
GVI	HRV	724	150	966	200
AK	HUN	950		950	
OEL	IRL	710	150	950	200
OEL	NLD	150			
TLV	NOR		75		
NDS	POL	200		950	
NPHV	SVK	480	100	960	

MAK TLV-ACGIH Predicted no-effect concentration - Normal value in fresh water Normal value in marine water Normal value for fresh water sedim	SWE	<b>STUCCO</b> 500 713	NITRO (co	olori vari)		Printe	d 26/04/2016 ed on 26/04/2016 n. 7/19				
MAK TLV-ACGIH Predicted no-effect concentration - Normal value in fresh water Normal value in marine water	SWE	500	MITKU (CC	nori vari)							
TLV-ACGIH Predicted no-effect concentration - Normal value in fresh water Normal value in marine water				C4110 - MAX - STUCCO NITRO (colori vari)							
Predicted no-effect concentration - Normal value in fresh water Normal value in marine water	- PNEC.	713	100	700	150						
Normal value in fresh water Normal value in marine water	PNEC.		150	950	200						
Normal value in marine water											
Normal value for marine water sed Normal value for water, intermitte Normal value of STP microorganis Normal value for the terrestrial con Health - Derived no-effect le	liment it release ims npartment	MEL		0,18 0,018 0,981 0,0981 0,36 35,6 0,0903		mg/l mg/kg mg/kg mg/kg mg/l mg/kg	g/d				
	Effects on consumers.				Effects on workers						
Route of exposure	Acute local	Acute systemic	Chronic local	Chronic	Acute local	Acute	Chronic local	Chronic			
Inhalation.	859,7 mg/m3	859,7 mg/m3	102,34 mg/m3	systemic 102,34 mg/m3	960 mg/m3	systemic 960 mg/m3	480 mg/m3	systemic 480 mg/m3			
XYLENE (MIXTURE OF ISON	MERS)										
Threshold Limit Value. Type	Country	TWA/8h		STEL/15min							
		mg/m3	ppm	mg/m3	ppm						
MAK	AUS	221	50	442	100	SKIN.					
VLEP	BEL	221	50	442	100	SKIN.					
TLV	BGR	221		442		SKIN.					
TLV	CYP	221	50	442	100	SKIN.					
TLV	CZE	200		400		SKIN.					
AGW	DEU	440	100	880	200	SKIN.					
MAK	DEU	440	100	880	200	SKIN.					
VLA	ESP	221	50	442	100	SKIN.					
TLV	EST	221	50	442	100	SKIN.					
HTP	FIN	220	50	440	100	SKIN.					
VLEP	FRA	221	50	442	100	SKIN.					
WEL	GBR	220	50	441	100	O 1.					
TLV	GRC	435	100	650	150						
GVI	HRV	221	50	442	100	SKIN.					
AK	HUN	221	50	442	100	SKIN.					
OEL	IRL	221	50	442	100	SKIN.					
TLV	ITA	221	50	442	100	SKIN.					
			30		100	SKIN.					
OEL TIV	NLD NOR	210	25	442							
TLV	NOR	108	25			SKIN.					
NDS	POL	100	50	442		OIZINI					
NPHV MV	SVK	221	50	442		SKIN.					
MV MAK	SVN	221	50	442	100	SKIN.					
MAK	SWE	221	50	442	100	SKIN.					
ESD	TUR	221	50	442	100	SKIN.					
OEL TLV-ACGIH	EU	221 434	50 100	442 651	100 150	SKIN.					
Predicted no-effect concentration -	. DNFC	404	100	651	150						
Normal value in fresh water Normal value in marine water Normal value for fresh water sediment Normal value for marine water sediment Normal value for water, intermittent release				0,327 0,327 12,46 12,46 0,327		mg/l mg/l mg/kg mg/kg mg/l					

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Normal value of STP microorganisms 6,58 mg/l Normal value for the terrestrial compartment 2 31 mg/kg/d Health - Derived no-effect level - DNEL / DMEL Effects on Effects on consumers. workers Acute local Chronic Route of exposure Acute local Acute systemic Chronic local Acute Chronic local Chronic systemic systemic systemic Oral. VND 1,6 mg/kg bw/d

Inhalation. 174 mg/m3 174 mg/m3 VND 14,8 mg/m3 289 mg/m3 289 mg/m3 VND 77 mg/m3 Skin. VND 108 mg/kg VND 180 mg/kg bw/d bw/d PROPAN-2-OL Threshold Limit Value. Country TWA/8h STEL/15min Type mg/m3 ppm mg/m3 ppm MAK AUS 500 200 2000 800 VLEP BEL 500 200 1000 400

TLV **BGR** 980 1225 TLV CZE 500 1000 SKIN. DFU 500 AGW 200 1000 400 DELL MAK 500 200 1000 400 TLV DNK 490 200 VLA ESP 500 200 1000 400 TLV **EST** 350 150 600 250 VLEP FRA 980 400 WEL GBR 400 1250 999 500 TLV GRC 980 400 1225 500 GVI HRV 999 400 1250 500 ΑK HUN 500 2000 OEL IRL 200 400 SKIN. RD LTU 350 150 600 250 RV I VA 350 600 650 OEL NLD

TLV NOR 245 100 NDS POL 900 1200 NPHV SVK 500 200 1000 MV SVN 500 200 MAK SWE 350 150 600 250 TLV-ACGIH 492 200 983 400 Predicted no-effect concentration - PNEC. Normal value in fresh water 140,9 mg/l Normal value in marine water 140,9 mg/l 552

Normal value for fresh water sediment mg/kg/d 552 Normal value for marine water sediment mg/kg/d Normal value for water, intermittent release 140.9 mg/l Normal value of STP microorganisms 2251 mq/l Normal value for the terrestrial compartment 28 mg/kg/d Health - Derived no-effect level - DNEL / DMEL Effects on Effects on

consumers. workers Route of exposure Chronic local Chronic Acute local Acute Chronic local Acute systemic Chronic systemic systemic systemic Oral. VND 26 mg/kg bw/d VND VND Inhalation. 89 mg/m3 500 mg/m3

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Skin.

319 mg/kg bw/d

VND

888 mg/kg bw/d

Threshold Limit Value.		<b></b>		OTEL //-				
-ype	Country	TWA/8h		STEL/15min				
		mg/m3	ppm	mg/m3	ppm			
MAK	AUS	440	100	880	200	SKIN.		
/LEP	BEL	442	100	551	125	SKIN.		
LV	BGR	435		545		SKIN.		
LV	CYP	442	100	884	200	SKIN.		
LV	CZE	200		500		SKIN.		
AGW	DEU	440	100	880	200	SKIN.		
MAK	DEU	88	20	176	40	SKIN.		
LV	DNK	217	50					
/LA	ESP	441	100	884	200	SKIN.		
LV	EST	442	100	884	200	SKIN.		
HTP	FIN	220	50	880	200	SKIN.		
/LEP	FRA	88,4	20	442	100	SKIN.		
VEL	GBR	441	100	552	125	SKIN.		
LV	GRC	435	100	545	125			
SVI .	HRV	442	100	884	200	SKIN.		
AK	HUN	442		884				
DEL	IRL	442	100	884	200	SKIN.		
LV	ITA	442	100	884	200	SKIN.		
RD	LTU	442	100	884	200	SKIN.		
RV	LVA	442	100	884	200	SKIN.		
DEL	NLD	215		430		SKIN.		
LV	NOR	20	5			SKIN.		
NDS	POL	200		400				
IPHV	SVK	442	100	884		SKIN.		
ИAK	SWE	200	50	450	100			
SD	TUR	442	100	884	200	SKIN.		
DEL	EU	442	100	884	200	SKIN.		
LV-ACGIH		87	20					
Predicted no-effect concentrat	ion - PNEC.							
Normal value in fresh water Normal value in marine water Normal value for fresh water sediment Normal value for marine water sediment Normal value for water, intermittent release Normal value of STP microorganisms Normal value for the terrestrial compartment Health - Derived no-effect level - DNEL / DMEL Effects on			1 1 137 137 1 96 268	Effects on	mg/l mg/l mg/l mg/l mg/l mg/l	l kg/d kg/d l		
	consumers.				workers			
Route of exposure Oral.	Acute local	Acute systemic	Chronic local NPI	Chronic systemic 1,6 mg/kg	Acute local	Acute systemic	Chronic local	Chronic systemic
nhalation.	NPI	VND	NPI	bw/d 15 mg/m3	293 mg/m3	VND	NPI	77 mg/m3
Skin.	NPI	NPI	NPI	NPI	NPI	NPI	NPI	180 mg/kg

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SOLVENT NAPHTHA (PETROLEUM), LIGHT AROM										
Health - Derived no-effect level - DNEL / DMEL										
	Effects on				Effects on					
	consumers.				workers					
Route of exposure	Acute local	Acute systemic	Chronic local	Chronic systemic	Acute local	Acute systemic	Chronic local	Chronic systemic		
Oral.	VND	VND	VND	11 mg/kg bw/d						
Inhalation.	VND	VND	VND	32 mg/m3	VND	VND	VND	150 mg/m3		
Skin.	VND	VND	VND	11 mg/kg bw/d	VND	VND	VND	25 mg/kg bw/d		

Legend:

(C) = CEILING; INHAL = Inhalable Fraction; RESP = Respirable Fraction; THORA = Thoracic Fraction.

VND = hazard identified but no DNEL/PNEC available ; NEA = no exposure expected ; NPI = no hazard identified.

XYLENI: Biological Exposure Indices (IBE): Hippuric Acid in urine: 1.5 g/g creatinina. Sampling time: End of shift. (ACGIH 2014).

ETHYLBENZENE: Biological Exposure Indices (IBE): mandelic acid + phenylglyoxylic acid in urine: 0,7 g/g creatinine. Sampling time: End of shift (ACGIH 2014)

ethylbenzene end-expiratory air: not critical (ACGIH 2014).

### 8.2. Exposure controls.

As the use of adequate technical equipment must always take priority over personal protective equipment, make sure that the workplace is well aired through effective local aspiration. Personal protective equipment must be CE marked, showing that it complies with applicable standards.

#### HAND PROTECTION

Protect hands with category III work gloves (see standard EN 374).

The following should be considered when choosing work glove material: compatibility, degradation, failure time and permeability.

The work gloves' resistance to chemical agents should be checked before use, as it can be unpredictable. The gloves' wear time depends on the duration and type of use.

### SKIN PROTECTION

Wear category I professional long-sleeved overalls and safety footwear (see Directive 89/686/EEC and standard EN ISO 20344). Wash body with soap and water after removing protective clothing.

Consider the appropriateness of providing antistatic clothing in the case of working environments in which there is a risk of explosion.

#### EYE PROTECTION

Wear airtight protective goggles (see standard EN 166).

#### RESPIRATORY PROTECTION

If the threshold value (e.g. TLV-TWA) is exceeded for the substance or one of the substances present in the product, wear a mask with a type AX filter, whose limit of use will be defined by the manufacturer (see standard EN 14387). In the presence of gases or vapours of various kinds and/or gases or vapours containing particulate (aerosol sprays, fumes, mists, etc.) combined filters are required.

Respiratory protection devices must be used if the technical measures adopted are not suitable for restricting the worker's exposure to the threshold values considered. The protection provided by masks is in any case limited.

If the substance considered is odourless or its olfactory threshold is higher than the corresponding TLV-TWA and in the case of an emergency, wear open-circuit compressed air breathing apparatus (in compliance with standard EN 137) or external air-intake breathing apparatus (in compliance with standard EN 138). For a correct choice of respiratory protection device, see standard EN 529.

## ENVIRONMENTAL EXPOSURE CONTROLS.

The emissions generated by manufacturing processes, including those generated by ventilation equipment, should be checked to ensure compliance with environmental standards.

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Product residues must not be indiscriminately disposed of with waste water or by dumping in waterways.

#### **SECTION 9. Physical and chemical properties.**

# 9.1. Information on basic physical and chemical properties.

Appearance paste
Colour various
Odour aromatic

Odour threshold. 0,7 ppm (N-BUTYL ACETATE)

pH. Not applicable.

Melting point / freezing point. <-90°C (N-BUTYL ACETATE)

Initial boiling point. > 35 °C.

Boiling range. Not available.

Flash point. < 23 °C.

Evaporation rate 1 (butyl acetate=1) (N-BUTYL ACETATE)

Flammability (solid, gas) Not applicable.

Lower inflammability limit. 1,7 (in air Vol%) (N-BUTYL ACETATE)
Upper inflammability limit. 7,6 (in air Vol%) (N-BUTYL ACETATE)
Lower explosive limit 1,2 (in air Vol%) (ICSC 0399) (N-BUTYL)

Lower explosive limit. 1,2 (in air Vol%) (ICSC 0399) (N-BUTYL ACETATE)
Upper explosive limit. 7,6 (in air Vol%) (ICSC 0399) (N-BUTYL ACETATE)
Vapour pressure. 11,2 hPa (T=20°C) (N-BUTYL ACETATE)
Vapour density 4 (air=1) (ICSC 0399) (N-BUTYL ACETATE)

Relative density. 1,700 Kg/l Solubility insoluble in water

Partition coefficient: n-octanol/water 2,3 Log Pow (T=25°C) (N-BUTYL ACETATE) Auto-ignition temperature. 415 (1010 hPa) (N-BUTYL ACETATE)

Decomposition temperature. Not available.

Viscosity  $800 \pm 50 \text{ Pas (T = 25 °C)}$ 

Explosive properties Not available. Oxidising properties Not available.

#### 9.2. Other information.

VOC (Directive 2010/75/EC): 40,38 % - 525,00 g/litre. VOC (volatile carbon): 17,63 % - 299,72 g/litre.

# SECTION 10. Stability and reactivity.

# 10.1. Reactivity.

There are no particular risks of reaction with other substances in normal conditions of use.

NITROCELLULOSE: high risk of fire in dry state, if exposed to heat, flames or strong oxidising agents. Decomposes under the effect of heat. N-BUTYL ACETATE: decomposes readily with water, especially when warm.

### 10.2. Chemical stability.

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

#### 10.3. Possibility of hazardous reactions.

The vapours may also form explosive mixtures with the air.

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XYLENE (MIXTURE OF ISOMERS): stable, but may develop violent reactions in the presence of strong oxidising agents such as sulphuric and nitric acids and perchlorates. May form explosive mixtures with the air.

ETHYLBENZENE: reacts violently with strong oxidising agents and attacks various types of plastics. Can form explosive mixtures with the air.

NITROCELLULOSE: risk of explosion under the effect of heat, blows and rubbing.

N-BUTYL ACETATE: risk of explosion on contact with: strong oxidising agents. Can react dangerously with alkaline hydroxides, potassium tert-butoxide. Forms explosive mixtures with the air.

#### 10.4. Conditions to avoid.

Avoid overheating. Avoid bunching of electrostatic charges. Avoid all sources of ignition.

N-BUTYL ACETATE: avoid exposure to moisture, sources of heat and naked flames.

#### 10.5. Incompatible materials.

NITROCELLULOSA: evitare il contatto con acidi, ammine, basi, sali metallici, sostanze riducenti e ossidanti. N-BUTYL ACETATE: water, nitrates, strong oxidising agents, acids and alkalis and potassium tert-butoxide.

#### 10.6. Hazardous decomposition products.

In the event of thermal decomposition or fire, gases and vapours that are potentially dangerous to health may be released.

ETHYLBENZENE: methane, styrene, hydrogen, ethane.

NITROCELLULOSE: nitric oxides.

# **SECTION 11. Toxicological information.**

In the absence of experimental data for the product itself, health hazards are evaluated according to the properties of the substances it contains, using the criteria specified in the applicable regulation for classification. It is therefore necessary to take into account the concentration of the individual hazardous substances indicated in section 3, to evaluate the toxicological effects of exposure to the product.

This product contains highly volatile substances, which may cause serious depression of the central nervous system (CNS) and have negative effects, such as drowsiness, dizziness, slow reflexes, narcosis.

This product may have a degreasing action on the skin, producing dryness and chapped skin after repeated exposure.

# 11.1. Information on toxicological effects.

#### Data refers to the mix:

ACUTE TOXICITY: No data available

SKIN CORROSION/IRRITATION: No data available SERIOUS EYE DAMAGE/IRRITATION: No data available RESPIRATORY OR SKIN SENSITISATION: No data available

GERM CELL MUTAGENICITY: No data available CARCINOGENICITY: No data available

REPRODUCTIVE TOXICITY: No data available

STOT-SINGLE EXPOSURE: May cause drowsiness or dizziness. (section 3.2 of the safety data sheet)

STOT-REPEATED EXPOSURE: Repeated exposure may cause skin dryness or cracking. (section 3.2 of the safety data sheet)

ASPIRATION HAZARD: not relevant to viscosity values (section 9 of the safety data sheet)

#### Data relating to substances hazardous mixture:

XYLENE (MIXTURE OF ISOMERS): has a toxic effect on the CNS (encephalopathies). Irritating to the skin, conjunctivae, cornea and respiratory apparatus.

ACUTE TOXICITY:

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LD50 (Oral).3523 mg/kg Rat (equivalent or similar to EU Method B.1)

LD50 (Dermal).4200 mg/kg Rabbit (Industrial Medicine 39, 215-200, 1970)

LC50 (Inhalation).26 mg/l/4h Rat(equivalent or similar to EU Method B.2)

SKIN CORROSION/IRRITATION: Causes skin irritation. (test in vivo, Rabbit, Industrial Medicine 39, 215-200.)

SERIOUS EYE DAMAGE/IRRITATION: Causes eyes irritation (Draize Test, Rabbit, exposure time 24h)

RESPIRATORY OR SKIN SENSITISATION: not sensitizing. (mouse, OECD Guideline 429)

GERM CELL MUTAGENICITY: negative, (Mouse, test in vivo, Equivalent or similar to OECD Guideline 478)

CARCINOGENICITY: negative, (mouse, Equivalent or similar to EU Method B.32)

REPRODUCTIVE TOXICITY: NOEC = 100 ppm (parental systemic toxicity), NOAEC >500 ppm (reproductive and developmental toxicity) (Rat, Equivalent or similar to EPA OPPTS 870.3800)

STOT-SINGLE EXPOSURE: May cause respiratory irritation. (Environmental Toxicology and Pharmacology, Vol 14, pp 129-137)

STOT-REPEATED EXPOSURE: Causes damage to organs: central nervous system, liver and kidneys, through prolonged or repeated exposure, (Rat, Metodo OFCD Guideline 408).

ASPIRATION HAZARD: May be fatal if swallowed and enters airways. (Annex VI, REGULATION (EC) No 1272/2008).

**ETHYLBENZENE:** like the benzene homologues, may exert an effect on the CNS with depression, narcosis, often preceded by dizziness and accompanied by headache. It is irritating to the skin, conjunctivae and respiratory apparatus.

ACUTE TOXICITY:

LD50 (Oral).3500 mg/kg Rat (standard acute method)

LD50 (Dermal).15354 mg/kg Rabbit (standard acute method)

LC50 (Inhalation).17,8 mg/l/4h Rat (standard acute method)

**N-BUTYL ACETATE**:in humans the substance's vapours cause irritation to the eues and nose. In the event of repeated exposure, there is skin irritation, dermatosis (with driness and flaking of the skin) and keratitis.

ACUTE TOXICITY:

LD50 (Oral).10760 mg/kg Rat (Equivalent or similar to OECD Guideline 423)

LD50 (Dermal).14112 mg/kg Rabbit (Equivalent or similar to OECD Guideline 402)

LC50 (Inhalation).5,3 mg/l/4h Rat (Equivalent or similar to OECD Guideline 423)

SKIN CORROSION/IRRITATION: non-irritating (Rabbit, Equivalent or similar to OECD Guideline 404)

SERIOUS EYE DAMAGE/IRRITATION: non-irritating (Rabbit, OECD Guideline 405)

RESPIRATORY OR SKIN SENSITISATION: No data available

GERM CELL MUTAGENICITY: negative, test in vivo (Read-across from supporting substance, OECD Guideline 474, GLP)

CARCINOGENICITY: No data available

REPRODUCTIVE TOXICITY: no teratogenic effect. NOEC (fertilità) = 2000 ppm, NOAEC (developmental toxicity) = 750 ppm, NOAEC (systemic toxicity) = 750 ppm. (Rat, OECD Guideline 416, GLP)

STOT-SINGLE EXPOSURE: May cause drowsiness or dizziness. (Annex VI, REGULATION (EC) No 1272/2008)

STOT-REPEATED EXPOSURE: NOAEC = 500 ppm (Rat, EPA OTS 798.2450)

ASPIRATION HAZARD: No data available.

#### PROPAN-2-OL

LD50 (Oral).4710 mg/kg Rat

LD50 (Dermal).12800 mg/kg Rat

LC50 (Inhalation).72,6 mg/l/4h Rat

### TRIZINC BIS (ORTHOPHOSPHATE)

LD50 (Oral).> 5000 mg/kg Rat - Wistar

LC50 (Inhalation).> 5,7 mg/l Rat

# **SECTION 12. Ecological information.**

This product is dangerous for the environment and the aquatic organisms. In the long term, it have negative effects on aquatic environment. **12.1. Toxicity.** 

XYLENE (MIXTURE OF ISOMERS)

LC50 - for Fish. 2,6 mg/l/96h Oncorhynchus mykiss (OECD TG 203)

Chronic NOEC for Fish. 1,3 mg/l 56d Oncorhynchus mykiss (Appl. Sci. Branch, Eng. Res. Cent. Denver, CO: 15p.)
Chronic NOEC for Crustacea. 1,17 mg/l 7d Ceriodaphnia dubia (Ecotoxicology and Environmental Safety 39, 136-146)

ETHYLBENZENE

LC50 - for Fish. 4,2 mg/l/96h Oncorhynchus mykiss, according to (OECD Guideline 203)

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EC50 - for Crustacea. 2,4 mg/l/48h Daphnia magna, According to EPA method F

EC50 - for Algae / Aquatic Plants. 5,4 mg/l/72h Selenastrum capricornutum, according to (U.S. EPA.1985 Federal register,

Volume 50, Number 188)

PROPAN-2-OL

LC50 - for Fish. 9640 mg/l/96h Pimephales promelas, according to (Toxicity Tests with Aquatic Organisms

(1975))

N-BUTYL ACETATE

LC50 - for Fish. 18 mg/l/96h Pimephales promelas (Equivalent or similar to OECD Guideline 203)

EC50 - for Crustacea. 44 mg/l/48h Daphnia sp. (Publication, 1959, no guideline followed)

EC50 - for Algae / Aquatic Plants. 648 mg/l/72h Desmodesmus subspicatus (Umweltbundesamt - German Federal Environment

Agency)

Chronic NOEC for Crustacea. 23 mg/l Daphnia magna, 21 d (Read-across from supporting substance, OECD Guideline

211)

TRIZINC BIS (ORTHOPHOSPHATE)

LC50 - for Fish. 0,78 mg/l/96h Pimephales promelas EC50 - for Crustacea. 0,86 mg/l/48h Daphnia magna

#### 12.2. Persistence and degradability.

N-BUTYL ACETATE

Readily biodegradable: 83% in 28 days (Metod OECD TG 301 D).

XYLENE (MIXTURE OF ISOMERS)

Solubility in water. mg/l 100 - 1000 Handbook of aqueous solubility data.

Rapidly biodegradable.

OECD Guideline 301 F, GLP

**ETHYLBENZENE** 

Solubility in water. mg/l 1000 - 10000

Rapidly biodegradable.

ISO 14593-CO2-Headspace Test, GLP

PROPAN-2-OL Rapidly biodegradable.

EU Method C.5

N-BUTYL ACETATE

Solubility in water. mg/l 1000 - 10000

Rapidly biodegradable.

OECD Guideline 301 D

TRIZINC BIS (ORTHOPHOSPHATE)

Solubility in water. 2,7 mg/l

Biodegradability: Information not available.

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12.3. Bioaccumulative potential.

XYLENE (MIXTURE OF ISOMERS)

Partition coefficient: n-octanol/water. 3,12 American Chemical Society, Washington DC

BCF. 25,9 Appl. Sci. Branch, Eng. Res. Cent. Denver, CO: 15p.

**ETHYLBENZENE** 

Partition coefficient: n-octanol/water. 3,6

PROPAN-2-OL

Partition coefficient: n-octanol/water. 0,05

N-BUTYL ACETATE

Partition coefficient: n-octanol/water. 2,3 a 25 °C (Metodo OECD TG 117)

BCF. 15,3

12.4. Mobility in soil.

XYLENE (MIXTURE OF ISOMERS)

Partition coefficient: soil/water. 2,73 equivalent or similar to OECD Guideline 121

N-BUTYL ACETATE

Partition coefficient: soil/water. < 3

#### 12.5. Results of PBT and vPvB assessment.

On the basis of available data, the product does not contain any PBT or vPvB in percentage greater than 0,1%.

#### 12.6. Other adverse effects.

Information not available.

# **SECTION 13. Disposal considerations.**

# 13.1. Waste treatment methods.

Reuse, when possible. Product residues should be considered special hazardous waste. The hazard level of waste containing this product should be evaluated according to applicable regulations.

Disposal must be performed through an authorised waste management firm, in compliance with national and local regulations.

Waste transportation may be subject to ADR restrictions.

CONTAMINATED PACKAGING

Contaminated packaging must be recovered or disposed of in compliance with national waste management regulations.

# **SECTION 14. Transport information.**

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14.1. UN number.

ADR / RID, IMDG, IATA: 1263

#### 14.2. UN proper shipping name.

ADR / RID: PAINT OF PAINT RELATED MATERIAL IMDG: PAINT OF PAINT RELATED MATERIAL IATA: PAINT OF PAINT RELATED MATERIAL

#### 14.3. Transport hazard class(es).

ADR / RID: Class: 3 Label: 3

IMDG: Class: 3 Label: 3

IATA: Class: 3 Label: 3



#### 14.4. Packing group.

ADR / RID, IMDG, IATA: II

#### 14.5. Environmental hazards.

ADR / RID: NO
IMDG: NO
IATA: NO

#### 14.6. Special precautions for user.

ADR / RID: HIN - Kemler: 33 Limited Quantities: 5 L Tunnel restriction code: (D/E)

Special Provision: -

IMDG: EMS: F-E, S-E, Limited Quantities: 5 L

IATA: Cargo: Maximum quantity: 60 L Packaging instructions: 364
Pass.: Maximum quantity: 5 L Packaging instructions: 353

Special Instructions: A3, A72, A192

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

Information not relevant.

# **SECTION 15. Regulatory information.**

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

Seveso category. P5b FLAMMABLE LIQUIDS

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Restrictions relating to the product or contained substances pursuant to Annex XVII to EC Regulation 1907/2006.

#### Product.

Point

- 3. Liquid substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set
- out in Annex I to Regulation (EC) No 1272/2008:
- (a) hazard classes 2.1 to 2.4, 2.6 and 2.7, 2.8 types A and B, 2.9, 2.10, 2.12, 2.13 categories 1 and 2, 2.14
- categories 1 and 2, 2.15 types A to F;
- (b) hazard classes 3.1 to 3.6, 3.7 adverse effects on sexual function and fertility or on development, 3.8
- effects other than narcotic effects, 3.9 and 3.10;
- (c) hazard class 4.1;
- (d) hazard class 5.1.

Point

40. Substances classified as flammable gases category 1 or 2, flammable liquids categories 1, 2 or 3, flammable solids category 1 or 2, substances and mixtures which, in contact with water, emit flammable gases, category 1, 2 or 3, pyrophoric liquids category 1 or pyrophoric solids category 1, regardless of whether they appear in Part 3 of Annex VI to that Regulation or not.

Substances in Candidate List (Art. 59 REACH).

None.

Substances subject to authorisarion (Annex XIV REACH).

None.

Substances subject to exportation reporting pursuant to (EC) Reg. 649/2012:

None.

Substances subject to the Rotterdam Convention:

None.

Substances subject to the Stockholm Convention:

None.

Healthcare controls.

Workers exposed to this chemical agent must not undergo health checks, provided that available risk-assessment data prove that the risks related to the workers' health and safety are modest and that the 98/24/EC directive is respected.

Product not intended for uses provided for by Dir. 2004/42/CE.

#### 15.2. Chemical safety assessment.

No chemical safety assessment has been processed for the mixture and the substances it contains.

# **SECTION 16. Other information.**

Text of hazard (H) indications mentioned in section 2-3 of the sheet:

Flam. Liq. 2 Flammable liquid, category 2

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Flam. Liq. 3 Flammable liquid, category 3
Flam. Sol. 1 Flammable solid, category 1
Acute Tox. 4 Acute toxicity, category 4
Asp. Tox. 1 Aspiration hazard, category 1

STOT RE 2 Specific target organ toxicity - repeated exposure, category 2

Eye Irrit. 2 Eye irritation, category 2
Skin Irrit. 2 Skin irritation, category 2

STOT SE 3

Specific target organ toxicity - single exposure, category 3

Aquatic Acute 1

Hazardous to the aquatic environment, acute toxicity, category 1

Aquatic Chronic 1

Hazardous to the aquatic environment, chronic toxicity, category 1

Aquatic Chronic 3

Hazardous to the aquatic environment, chronic toxicity, category 3

H225 Highly flammable liquid and vapour.H226 Flammable liquid and vapour.

H228 Flammable solid.

H312 Harmful in contact with skin.

H332 Harmful if inhaled.

H304 May be fatal if swallowed and enters airways.

H373 May cause damage to organs through prolonged or repeated exposure.

H319 Causes serious eye irritation.

H315 Causes skin irritation.

H335 May cause respiratory irritation.
H336 May cause drowsiness or dizziness.

H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects.H412 Harmful to aquatic life with long lasting effects.

**EUH066** Repeated exposure may cause skin dryness or cracking.

#### LEGEND:

- ADR: European Agreement concerning the carriage of Dangerous goods by Road
- CAS NUMBER: Chemical Abstract Service Number
- CE50: Effective concentration (required to induce a 50% effect)
- CE NUMBER: Identifier in ESIS (European archive of existing substances)
- CLP: EC Regulation 1272/2008
- DNEL: Derived No Effect Level
- EmS: Emergency Schedule
- GHS: Globally Harmonized System of classification and labeling of chemicals
- IATA DGR: International Air Transport Association Dangerous Goods Regulation
- IC50: Immobilization Concentration 50%
- IMDG: International Maritime Code for dangerous goods
- IMO: International Maritime Organization
- INDEX NUMBER: Identifier in Annex VI of CLP
- LC50: Lethal Concentration 50%
- LD50: Lethal dose 50%
- OEL: Occupational Exposure Level
- PBT: Persistent bioaccumulative and toxic as REACH Regulation
- PEC: Predicted environmental Concentration
- PEL: Predicted exposure level
- PNEC: Predicted no effect concentration
- REACH: EC Regulation 1907/2006
- RID: Regulation concerning the international transport of dangerous goods by train
- TLV: Threshold Limit Value
- TLV CEILING: Concentration that should not be exceeded during any time of occupational exposure.
- TWA STEL: Short-term exposure limit
- TWA: Time-weighted average exposure limit
- VOC: Volatile organic Compounds

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- vPvB: Very Persistent and very Bioaccumulative as for REACH Regulation
- WGK: Water hazard classes (German).

#### GENERAL BIBLIOGRAPHY

- 1. Regulation (EU) 1907/2006 (REACH) of the European Parliament
- 2. Regulation (EU) 1272/2008 (CLP) of the European Parliament
- 3. Regulation (EU) 790/2009 (I Atp. CLP) of the European Parliament 4. Regulation (EU) 2015/830 of the European Parliament
- 5. Regulation (EU) 286/2011 (II Atp. CLP) of the European Parliament
- 6. Regulation (EU) 618/2012 (III Atp. CLP) of the European Parliament
- 7. Regulation (EU) 487/2013 (IV Atp. CLP) of the European Parliament
- 8. Regulation (EU) 944/2013 (V Atp. CLP) of the European Parliament
- 9. Regulation (EU) 605/2014 (VI Atp. CLP) of the European Parliament
- 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
- ECHA website

#### Istituto Superiore di Sanità (ISS) - Archivio Preparati Pericolosi

Codice azienda: IT00465900728 Ragione sociale: Ilpa Adesivi Srl

Nome prodotto ISS: STUCCO NITRO (colori vari)

Codice prodotto ISS: C4110

The information contained in the present sheet are based on our own knowledge on the date of the last version. Users must verify the suitability and thoroughness of provided information according to each specific use of the product.

This document must not be regarded as a quarantee on any specific product property.

The use of this product is not subject to our direct control: therefore, users must, under their own responsibility, comply with the current health and safety laws and regulations. The producer is relieved from any liability arising from improper uses.

Provide appointed staff with adequate training on how to use chemical products.

#### Training for workers:

Worker training should include content, updates and duration depending on the risk profiles assigned to the business sectors they belong.

#### Classification according to Regulation (EC) Nr. 1272/2008

Flam. Liq. 2, H225 STOT SE 3, H336 Aquatic Chronic 3, H412 Classification procedure

Metodo di calcolo Metodo di calcolo Metodo di calcolo