

Safety Data Sheet

According to Annex II to REACH - Regulation 2015/830

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

1.1. Product identifier

Code: 411 00 14765-2765
Product name: UNDERBODY PROTECTIVE

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

Intended use: Soundproofing protective for bodywork

1.3. Details of the supplier of the safety data sheet

Name: Meccanocar Italia S.r.l.
Full address: Via San Francesco, 22
District and Country: 56033 Capannoli (PI)
Italy

Tel. +39 0587 609433

Fax +39 0587 607145

e-mail address of the competent person

responsible for the Safety Data Sheet: moreno.meini@meccanocar.it

1.4. Emergency telephone number

For urgent inquiries refer to: National Poisons Information Service: +44 121 507 4123

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 (EU) Regulation 2015/830. 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.
Eye irritation, category 2	H319	Causes serious eye irritation.
Skin irritation, category 2	H315	Causes skin irritation.
Specific target organ toxicity - single exposure, category 3	H336	May cause drowsiness or dizziness.
Hazardous to the aquatic environment, chronic toxicity, category 3	H412	Harmful to aquatic life with long lasting effects.

2.2. Label elements

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

UNDERBODY PROTECTIVE

Hazard pictograms:



Signal words:

Danger

Hazard statements:

H225	Highly flammable liquid and vapour.
H319	Causes serious eye irritation.
H315	Causes skin irritation.
H336	May cause drowsiness or dizziness.
H412	Harmful to aquatic life with long lasting effects.

Precautionary statements:

P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P280	Wear protective gloves/ protective clothing / eye protection / face protection.
P370+P378	In case of fire: use CO2 fire extinguisher to extinguish.
P261	Avoid breathing dust / fume / gas / mist / vapours / spray.
P233	Keep container tightly closed.
P312	Call a POISON CENTRE / doctor if you feel unwell.

Contains:	HYDROCARBONS, C7-C9, N-ALCANS, ISOALKANS, CYCLES ETHYL ACETATE N-BUTYL ACETATE METHYL ETHYL KETONE
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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

3.2. Mixtures

Contains:

Identification	x = Conc. %	Classification 1272/2008 (CLP)
ETHYLBENZENE AND XYLENE		
REACTION MASS		
CAS -	$18 \leq x < 19,5$	Flam. Liq. 3 H226, Acute Tox. 4 H312, Acute Tox. 4 H332, Skin Irrit. 2 H315, Aquatic Acute 1 H400 M=1
EC 905-588-0		
INDEX -		
Reg. no. 01-2119486136-34-XXXX		
ETHYL ACETATE		
CAS 141-78-6	$8 \leq x < 9$	Flam. Liq. 2 H225, Eye Irrit. 2 H319, STOT SE 3 H336, EUH066
EC 205-500-4		

UNDERBODY PROTECTIVE

INDEX 607-022-00-5

Reg. no. 01-2119475103-46-XXXX

HYDROCARBONS, C7-C9, N-ALCANS, ISOALKANS, CYCLESCAS - $8 \leq x < 9$

Flam. Liq. 2 H225, Asp. Tox. 1 H304, STOT SE 3 H336, Aquatic Chronic 2 H411

EC 920-750-0

INDEX -

Reg. no. 01-2119473851-33-XXXX

METHYL ETHYL KETONECAS 78-93-3 $4 \leq x < 4,5$

Flam. Liq. 2 H225, Eye Irrit. 2 H319, STOT SE 3 H336, EUH066

EC 201-159-0

INDEX 606-002-00-3

Reg. no. 01-2119457290-43-XXXX

N-BUTYL ACETATECAS 123-86-4 $4 \leq x < 4,5$

Flam. Liq. 3 H226, STOT SE 3 H336, EUH066

EC 204-658-1

INDEX 607-025-00-1

Reg. no. 01-2119485493-29-XXXX

ETHYLBENZENECAS 100-41-4 $0,4 \leq x < 0,45$

Flam. Liq. 2 H225, Acute Tox. 4 H332, Asp. Tox. 1 H304, STOT RE 2 H373, Aquatic Chronic 3 H412

EC 202-849-4

INDEX 601-023-00-4

Reg. no. 01-2119489370-35-XXXX

HEXANOIC ACID, 2-ETHYL-, ZINC SALT, BASICCAS 85203-81-2 $0,4 \leq x < 0,45$

Repr. 2 H361, Eye Irrit. 2 H319, Aquatic Chronic 3 H412

EC 286-272-3

INDEX -

Reg. no. 01-2119979093-30-XXXX

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

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

Specific information on symptoms and effects caused by the product are unknown.

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.

Send away individuals who are not suitably equipped. Use explosion-proof equipment. Eliminate all sources of ignition (cigarettes, flames, sparks, etc.) from the leakage site.

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.

Make sure the leakage site is well aired. 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

UNDERBODY PROTECTIVE

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; vapour 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 cool and 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)

Information not available

SECTION 8. Exposure controls/personal protection**8.1. Control parameters**

Regulatory References:

ESP	España	LÍMITES DE EXPOSICIÓN PROFESIONAL PARA AGENTES QUÍMICOS EN ESPAÑA 2019 (INSST)
FRA	France	Valeurs limites d'exposition professionnelle aux agents chimiques en France. ED 984 - INRS
GBR	United Kingdom	EH40/2005 Workplace exposure limits (Third edition, published 2018)
ITA	Italia	DIRETTIVA (UE) 2017/164 DELLA COMMISSIONE del 31 gennaio 2017
NOR	Norge	Fastsatt av Arbeids- og sosialdepartementet 21. august 2018 med hjemmel i lov 17. juni 2005 nr. 62 om arbeidsmiljø, arbeidstid, stillingsvern mv. (arbeidsmiljøloven) § 1-3, § 1-4 og § 4-5
PRT	Portugal	Ministério da Economia e do Emprego Consolida as prescrições mínimas em matéria de protecção dos trabalhadores contra os riscos para a segurança e a saúde devido à exposição a agentes químicos no trabalho - Diário da República, 1.ª série - N.º 111 - 11 de junho de 2018
EU	OEL EU	Directive (EU) 2017/2398; Directive (EU) 2017/164; Directive 2009/161/EU; Directive 2006/15/EC; Directive 2004/37/EC; Directive 2000/39/EC; Directive 91/322/EEC.
	TLV-ACGIH	ACGIH 2019

ETHYLBENZENE AND XYLENE REACTION MASS

Predicted no-effect concentration - PNEC

Normal value in fresh water	0,327	mg/l
Normal value in marine water	0,327	mg/l
Normal value for fresh water sediment	12,46	mg/kg
Normal value for marine water sediment	12,46	mg/kg
Normal value of STP microorganisms	6,58	mg/l
Normal value for the terrestrial compartment	2,31	mg/kg

Health - Derived no-effect level - DNEL / DMEL

Route of exposure	Effects on consumers			Effects on workers				
	Acute local	Acute systemic	Chronic local	Chronic systemic	Acute local	Acute systemic	Chronic local	Chronic systemic
Oral				12,5 mg/kg bw/d				
Inhalation	260 mg/m3	260 mg/m3	65,6 mg/m3	65,6 mg/m3	442 mg/m3	442 mg/m3	221 mg/m3	221 mg/m3
Skin				125 mg/kg bw/d				212 mg/kg bw/d

HYDROCARBONS, C7-C9, N-ALCANS, ISOALKANS, CYCLES								
Health - Derived no-effect level - DNEL / DMEL								
	Effects on consumers				Effects on workers			
Route of exposure	Acute local	Acute systemic	Chronic local	Chronic systemic	Acute local	Acute systemic	Chronic local	Chronic systemic
Oral				699 mg/kg bw/d				
Inhalation				608 mg/m3				2035 mg/m3
Skin				699 mg/kg bw/d				773 mg/kg bw/d

ETHYL ACETATE					
Threshold Limit Value					
Type	Country	TWA/8h		STEL/15min	Remarks / Observations
		mg/m3	ppm	mg/m3	ppm
VLA	ESP	734	200	1468	400
VLEP	FRA	1400	400		
WEL	GBR	734	200	1468	400
VLEP	ITA	734	200	1468	400
TLV	NOR	734	200		
VLE	PRT	734	200	1468	400
OEL	EU	734	200	1468	400
TLV-ACGIH		1441	400		
Predicted no-effect concentration - PNEC					
Normal value in fresh water				0,24	mg/l
Normal value in marine water				0,024	mg/l
Normal value for fresh water sediment				1,15	mg/kg
Normal value for marine water sediment				0,115	mg/kg
Normal value of STP microorganisms				650	mg/l
Normal value for the food chain (secondary poisoning)				0,2	mg/kg
Normal value for the terrestrial compartment				0,148	mg/kg

Health - Derived no-effect level - DNEL / DMEL								
	Effects on consumers				Effects on workers			
Route of exposure	Acute local	Acute systemic	Chronic local	Chronic systemic	Acute local	Acute systemic	Chronic local	Chronic systemic
Oral				4,5 mg/kg bw/d				
Inhalation	734 mg/m3	734 mg/m3	367 mg/m3	367 mg/m3	1468 mg/m3	1468 mg/m3	734 mg/m3	734 mg/m3
Skin				37 mg/kg bw/d				63 mg/kg bw/d

N-BUTYL ACETATE					
Threshold Limit Value					
Type	Country	TWA/8h		STEL/15min	Remarks / Observations
		mg/m3	ppm	mg/m3	ppm
VLA	ESP	724	150	965	200
VLEP	FRA	710	150	940	200
WEL	GBR	724	150	966	200
TLV	NOR		75		

TLV-ACGIH	50	150
Predicted no-effect concentration - PNEC		
Normal value in fresh water	0,18	mg/l
Normal value in marine water	0,018	mg/l
Normal value for fresh water sediment	0,981	mg/kg
Normal value for marine water sediment	0,098	mg/kg
Normal value of STP microorganisms	35,6	mg/l
Normal value for the terrestrial compartment	0,09	mg/kg

Health - Derived no-effect level - DNEL / DMEL

	Effects on consumers				Effects on workers			
Route of exposure	Acute local	Acute systemic	Chronic local	Chronic systemic	Acute local	Acute systemic	Chronic local	Chronic systemic
Oral		2 mg/kg bw/d		2 mg/kg bw/d				
Inhalation	300 mg/m3	300 mg/m3	35,7 mg/m3	35,7 mg/m3	600 mg/m3	600 mg/m3	300 mg/m3	300 mg/m3
Skin		6 mg/kg bw/d		6 mg/kg bw/d		11 mg/kg bw/d		11 mg/kg bw/d

METHYL ETHYL KETONE

Threshold Limit Value

Type	Country	TWA/8h		STEL/15min		Remarks / Observations
		mg/m3	ppm	mg/m3	ppm	
VLA	ESP	600	200	900	300	
VLEP	FRA	600	200	900	300	SKIN
WEL	GBR	600	200	899	300	SKIN
VLEP	ITA	600	200	900	300	
TLV	NOR	220	75			
VLE	PRT	600	200	900	300	
OEL	EU	600	200	900	300	
TLV-ACGIH		590	200	885	300	

Predicted no-effect concentration - PNEC

Normal value in fresh water	55,8	mg/l
Normal value in marine water	55,8	mg/l
Normal value for fresh water sediment	284,74	mg/kg
Normal value for marine water sediment	284,74	mg/kg
Normal value of STP microorganisms	709	mg/l
Normal value for the food chain (secondary poisoning)	1000	mg/kg
Normal value for the terrestrial compartment	22,5	mg/kg

Health - Derived no-effect level - DNEL / DMEL

Route of exposure	Effects on consumers				Effects on workers			
	Acute local	Acute systemic	Chronic local	Chronic systemic	Acute local	Acute systemic	Chronic local	Chronic systemic
Oral				31 mg/kg bw/d				
Inhalation				106 mg/m3				600 mg/m3
Skin				412 mg/kg bw/d				1161 mg/kg bw/d

HEXANOIC ACID, 2-ETHYL-, ZINC SALT, BASIC

Health - Derived no-effect level - DNEL / DMEL

UNDERBODY PROTECTIVE

Route of exposure	Effects on consumers				Effects on workers			
	Acute local	Acute systemic	Chronic local	Chronic systemic	Acute local	Acute systemic	Chronic local	Chronic systemic
Oral				3,21 mg/kg bw/d				
Inhalation				10,42 mg/m3				20,83 mg/m3
Skin				3,21 mg/kg bw/d				6,41 mg/kg bw/d

ETHYLBENZENE

Threshold Limit Value

Type	Country	TWA/8h		STEL/15min		Remarks / Observations
		mg/m3	ppm	mg/m3	ppm	
VLA	ESP	441	100	884	200	SKIN
VLEP	FRA	88,4	20	442	100	SKIN
WEL	GBR	441	100	552	125	SKIN
VLEP	ITA	442	100	884	200	SKIN
TLV	NOR	20	5			SKIN
VLE	PRT	442	100	884	200	SKIN
OEL	EU	442	100	884	200	SKIN
TLV-ACGIH		87	20			

Predicted no-effect concentration - PNEC

Normal value in fresh water	0,1	mg/l
Normal value in marine water	0,01	mg/l
Normal value for fresh water sediment	13,7	mg/kg
Normal value for marine water sediment	1,37	mg/kg
Normal value of STP microorganisms	9,6	mg/l
Normal value for the food chain (secondary poisoning)	0,02	mg/kg
Normal value for the terrestrial compartment	2,68	mg/kg

Health - Derived no-effect level - DNEL / DMEL

Route of exposure	Effects on consumers				Effects on workers			
	Acute local	Acute systemic	Chronic local	Chronic systemic	Acute local	Acute systemic	Chronic local	Chronic systemic
Oral				1,6 mg/kg bw/d				
Inhalation				15 mg/m3			293 mg/m3	77 mg/m3
Skin								180 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.

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.

When choosing personal protective equipment, ask your chemical substance supplier for advice.

UNDERBODY PROTECTIVE

Personal protective equipment must be CE marked, showing that it complies with applicable standards.

Provide an emergency shower with face and eye wash station.

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 II professional long-sleeved overalls and safety footwear (see Regulation 2016/425 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.

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

HYDROCARBONS, C7-C9, N-ALCANS, ISOALKANS, CYCLES

Any specific glove information provided is based on published literature and glove manufacturer data. The suitability of the gloves and breakthrough time will differ according to the specific conditions of use. Contact the glove manufacturer for specific advice on glove selection and breakthrough times for conditions of use. Inspect and replace worn or damaged gloves. The types of gloves to consider for this material include:

Chemical resistant gloves are recommended. If contact with forearms is likely, wear glove-style gloves. Nitrile, CEN EN 420 and EN 374 standards provide general requirements and lists of glove types.

ETHYL ACETATE

Butyl rubber gloves (opening times > 480 minutes), Neoprene TM rubber, nitrile rubber (opening times up to 480 minutes).

N-BUTYL ACETATE

Wear protective gloves. The recommendations are listed below. Other protective material can be used, depending on the situation, if adequate data on degradation and permeation are available. If other chemicals are used together with this chemical, the selection of materials should be based on the protection of all chemicals present.

HEXANOIC ACID, 2-ETHYL-, ZINC SALT, BASIC

Wear protective gloves. PVC gloves are recommended. (CEN EN420 - PVC) Keep in mind that the liquid can penetrate the gloves. Frequent change is recommended.

ETHYLBENZENE

- Use chemical resistant gloves suitable for the conditions of use.
- The selected protective gloves must meet the European standard EN 374.
- Fluoroelastomer glove material; material thickness 0.4 mm; breakthrough time ≥ 480 min. Gloves must be replaced after 8 hours of wear (GESTIS recommendation).
- Gloves must be discarded and replaced if there are indications of degradation or chemicals breakthrough.

SECTION 9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	liquid
Colour	various
Odour	characteristic of solvent
Odour threshold	Not available
pH	Not available
Melting point / freezing point	Not available
Initial boiling point	$> 35^{\circ}\text{C}$
Boiling range	Not available
Flash point	-5°C
Evaporation rate	Not available
Flammability (solid, gas)	Not available
Lower inflammability limit	Not available
Upper inflammability limit	Not available
Lower explosive limit	Not available
Upper explosive limit	Not available
Vapour pressure	Not available
Vapour density	Not available
Relative density	1,32
Solubility	Not available
Partition coefficient: n-octanol/water	Not available
Auto-ignition temperature	Not available
Decomposition temperature	Not available
Viscosity	17500 cPs a 25°
Explosive properties	Not available
Oxidising properties	Not available

9.2. Other information

VOC (Directive 2010/75/EC) : 34,00 % - 450,00 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.

ETHYL ACETATE

It slowly decomposes to acetic acid and ethanol due to the action of light, air and water. Stable under normal conditions. Upon storage, it is slowly decomposed by water.

N-BUTYL ACETATE

Decomposes on contact with: water.

METHYL ETHYL KETONE

Reacts with: light metals, strong oxidants. Attacks various types of plastic materials. Decomposes under the effect of heat.

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.

ETHYL ACETATE

Risk of explosion on contact with: alkaline metals, hydrides, oleum. May react violently with: fluorine, strong oxidising agents, chlorosulphuric acid, potassium tert-butoxide. Forms explosive mixtures with: air.

N-BUTYL ACETATE

Risk of explosion on contact with: strong oxidising agents. May react dangerously with: alkaline hydroxides, potassium tert-butoxide. Forms explosive mixtures with: air.

Vapors can form an explosive mixture with air.

METHYL ETHYL KETONE

May form peroxides with: air, light, strong oxidising agents. Risk of explosion on contact with: hydrogen peroxide, nitric acid, sulphuric acid. May react dangerously with: oxidising agents, trichloromethane, alkalis. Forms explosive mixtures with: air.

ETHYLBENZENE

Reacts violently with: strong oxidants. Attacks various types of plastic materials. May form explosive mixtures with: air.

10.4. Conditions to avoid

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

UNDERBODY PROTECTIVE

HYDROCARBONS, C7-C9, N-ALCANS, ISOALKANS, CYCLES

avoid heat, sparks, open flames and other sources of ignition.

ETHYL ACETATE

Avoid exposure to: light, sources of heat, naked flames.

Ignition sources.

N-BUTYL ACETATE

Avoid exposure to: moisture, sources of heat, naked flames.

Avoid contact with heat, sparks, open flames and static discharge. Avoid any source of ignition.

METHYL ETHYL KETONE

Avoid exposure to: sources of heat.

HEXANOIC ACID, 2-ETHYL-, ZINC SALT, BASIC

Avoid excessive heat for extended periods of time.

ETHYLBENZENE

- Heat, sparks, open flames, other sources of ignition, oxidizing conditions, high temperature with dehydrating conditions.

10.5. Incompatible materials

HYDROCARBONS, C7-C9, N-ALCANS, ISOALKANS, CYCLES

strong oxidants

ETHYL ACETATE

Incompatible with: acids, bases, strong oxidants, aluminium, nitrates, chlorosulphuric acid. Incompatible materials: plastic materials.

Oxidizing agents, acids, alkalis.

N-BUTYL ACETATE

Incompatible with: water, nitrates, strong oxidants, acids, alkalis, zinc.

UNDERBODY PROTECTIVE

Strong acids and strong bases, strong oxidizing agents.

METHYL ETHYL KETONE

Incompatible with: strong oxidants, inorganic acids, ammonia, copper, chloroform.

HEXANOIC ACID, 2-ETHYL-, ZINC SALT, BASIC

Avoid contact with oxidizing agents. Hydrolysis of the water effects of the product.

ETHYLBENZENE

- Strong oxidizing agents.
- Strong acids.
- Strong alkalis.

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.

ETHYL ACETATE

Carbon oxides on combustion.

HEXANOIC ACID, 2-ETHYL-, ZINC SALT, BASIC

The products of complete combustion are carbon dioxide, water and metal oxides.

ETHYLBENZENE

May develop: methane, styrene, hydrogen, ethane.

- Incomplete combustion can cause the production of carbon monoxide, carbon dioxide and other toxic substances gas.
- Thermal decomposition can produce carbon monoxide and other toxic vapors.

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.

11.1. Information on toxicological effects

UNDERBODY PROTECTIVE

Metabolism, toxicokinetics, mechanism of action and other information

Information not available

Information on likely routes of exposure

N-BUTYL ACETATE

WORKERS: inhalation; contact with the skin.

ETHYLBENZENE

WORKERS: inhalation; contact with the skin.

POPULATION: ingestion of contaminated food or water; contact with the skin of products containing the substance.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

N-BUTYL ACETATE

In humans, the substance's vapours cause irritation of the eyes and nose. In the event of repeated exposure, skin irritation, dermatitis (dryness and cracking of the skin) and keratitis appear.

ETHYLBENZENE

As the counterparts of benzene, may have an acute effect on the central nervous system, with depression, narcosis, often preceded by dizziness and associated with headache (Ispesi). Is irritating for skin, conjunctiva and respiratory tract.

Interactive effects

N-BUTYL ACETATE

A case of acute intoxication been reported involving a 33 year old worker while cleaning a tank with a preparation containing xylenes, butyl acetate and ethylene glycol acetate. The person had irritation of the conjunctiva and upper respiratory tract, drowsiness and motor coordination disorders, which disappeared within 5 hours. The symptoms are attributed to poisoning by mixed xylenes and butyl acetate, with a possible synergistic effect responsible for the neurological effects. Cases of vacuolar keratitis are reported in workers exposed to a mixture of butyl acetate and isobutanol vapours, but with uncertainty concerning the responsibility of a particular solvent (INRC, 2011).

ACUTE TOXICITY

LC50 (Inhalation) of the mixture:

> 20 mg/l

LD50 (Oral) of the mixture:

Not classified (no significant component)

LD50 (Dermal) of the mixture:

>2000 mg/kg

METHYL ETHYL KETONE

LD50 (Oral) 2737 mg/kg Rat

LD50 (Dermal) 6480 mg/kg Rabbit

LC50 (Inhalation) 23,5 mg/l/8h Rat

UNDERBODY PROTECTIVE

ETHYLBENZENE

LD50 (Oral) 3500 mg/kg Rat

LD50 (Dermal) 15354 mg/kg Rabbit

LC50 (Inhalation) 17,2 mg/l/4h Rat

ETHYLBENZENE AND XYLENE REACTION MASS

Method: Equivalent or similar to EU Method B.2

Reliability: 1

Species: Rat (male)

Route of exposure: Inhalation (vapors)

Results: LC50 6 700 ppm

HYDROCARBONS, C7-C9, N-ALCANS, ISOALKANS, CYCLES

Method: Not indicated

Reliability: 2

Species: Rat (Charles River CD; male / female)

Route of exposure: Oral

Results: LD50> 8 mL / kg bw

Method: Equivalent or similar to OECD Guideline 403

Reliability: 2

Species: Rat (Wistar; male / female)

Route of exposure: Inhalation (vapors)

Results: LC50> 23.3 mg / L air

Method: Not indicated

Reliability: 2

Species: Rat (Charles River CD; male / female)

Route of exposure: Dermal

Results: LD50> = 4 mL / kg bw

ETHYL ACETATE

Method: Multi-Substance Rule for the Testing of Neurotoxicity 40 CFR Part 799 (58 FR 40262)

Reliability: 1

Species: Rat (Sprague-Dawley; male / female)

Route of exposure: Inhalation (vapors)

Results: Negative

Method: Not indicated

Reliability: 2

Species: Rabbit (New Zealand White; male)

Route of exposure: Dermal

Results: LD50> 20 000 mg / kg bw

N-BUTYL ACETATE

Method: Equivalent or similar to OECD 423

Reliability: 2

Species: Rat (Sprague-Dawley; male / female)

Route of exposure: Oral

Results: LD50 = 12.2 mL / kg bw

Method: Equivalent or similar to OECD 402

Reliability: 2

Species: Rabbit (New Zealand White; male / female)

Route of exposure: Dermal

Results: LD50> 16 mL / kg bw

UNDERBODY PROTECTIVE

HEXANOIC ACID, 2-ETHYL-, ZINC SALT, BASIC

Method: OECD Guideline 401

Reliability: 1

Species: Rat (Wistar; male / female)

Route of exposure: Oral

Results: LD50> 2 000 mg / kg bw

Method: OECD Guideline 402

Reliability: 1

Species: Rat (Wistar; male / female)

Route of exposure: Dermal

Results: LD50> 2 000 mg / kg bw

SKIN CORROSION / IRRITATION

Causes skin irritation

HYDROCARBONS, C7-C9, N-ALCANS, ISOALKANS, CYCLES

Method: OECD Guideline 404

Reliability: 1

Species: Rabbit (New Zealand White)

Route of exposure: Dermal

Results: Not irritating

N-BUTYL ACETATE

Method: Equivalent or similar to OECD 404

Reliability: 2

Species: Rabbit (New Zealand White)

Route of exposure: Dermal

Results: Not irritating

METHYL ETHYL KETONE

Method: OECD 404

Reliability: 2

Species: Rabbit (New Zealand White)

Route of exposure: Dermal

Results: Not irritating

HEXANOIC ACID, 2-ETHYL-, ZINC SALT, BASIC

Method: OECD Guideline 404

Reliability: 1

Species: Rabbit (New Zealand White)

Route of exposure: Dermal

Results: Irritating

ETHYLBENZENE

Method: Not indicated

Reliability: 2

Species: Rabbit

Route of exposure: Dermal

Results: Slightly irritating

Bibliographic reference: Smyth, Jr. H.F., Carpenter, C.P., Weil, C.S., Pozzani, U.C. and Striegel, J.A.,

Range finding toxicity data: List VI (1962)

SERIOUS EYE DAMAGE / IRRITATION

UNDERBODY PROTECTIVE

Causes serious eye irritation

HYDROCARBONS, C7-C9, N-ALCANS, ISOALKANS, CYCLES

Method: Not indicated

Reliability: 2

Species: Rabbit (New Zealand White)

Route of exposure: Ocular

Results: Not irritating

ETHYL ACETATE

Method: OECD 405

Reliability: 2

Species: Rabbit (New Zealand White)

Route of exposure: Ocular

Results: Not irritating

N-BUTYL ACETATE

Method: OECD 405

Reliability: 2

Species: Rabbit (New Zealand White)

Route of exposure: Ocular

Results: Not irritating

METHYL ETHYL KETONE

Method: Equivalent or similar to OECD 405

Reliability: 2

Species: Rabbit (Albino)

Route of exposure: Ocular

Results: Category 2, irritant

HEXANOIC ACID, 2-ETHYL-, ZINC SALT, BASIC

Method: OECD Guideline 405

Reliability: 1

Species: Rabbit (New Zealand White)

Route of exposure: Ocular

Results: Irritating

ETHYLBENZENE

Method: Not indicated

Reliability: 2

Species: Rabbit

Route of exposure: Ocular

Results: Slightly irritating

Bibliographic reference: Wolf, M.A .; Rowe, V.K .; McCollister, D.D .; Hollingworth, R.L .; Oyen, F.,
Toxicological studies of certain alkylated benzenes. (1956)

RESPIRATORY OR SKIN SENSITISATION

Does not meet the classification criteria for this hazard class

Skin sensitization

HYDROCARBONS, C7-C9, N-ALCANS, ISOALKANS, CYCLES

UNDERBODY PROTECTIVE

Method: Equivalent or similar to OECD Guideline 406

Reliability: 2

Species: guinea pig (male / female)

Route of exposure: Dermal

Results: Not sensitizing

ETHYL ACETATE

Method: OECD 406

Reliability: 1

Species: guinea pig (Dunkin-Hartley; female)

Route of exposure: Dermal

Results: Not sensitizing

METHYL ETHYL KETONE

Method: OECD 406

Reliability: 1

Species: guinea pig (Dunkin-Hartley; female)

Route of exposure: Dermal

Results: Not sensitizing

GERM CELL MUTAGENICITY

Does not meet the classification criteria for this hazard class

ETHYLBENZENE AND XYLENE REACTION MASS

Method: Equivalent or similar OECD Guideline 478-test in vivo

Reliability: 2

Species: Mouse (Swiss Webster; male / female)

Route of exposure: Subcutaneous

Results: Negative

HYDROCARBONS, C7-C9, N-ALCANS, ISOALKANS, CYCLES

Method: Equivalent or similar to OECD Guideline 471-in vitro test

Reliability: 1

Species: S. typhimurium, E.Coli

Results: Negative with and without metabolic activation

Method: Equivalent or similar to OECD Guideline 474-test in vivo

Reliability: 1

Species: Mouse (CD-1; male)

Route of exposure: Oral

Results: Negative

ETHYL ACETATE

Method: Equivalent or similar to OECD 471 in vitro test

Reliability: 2

Species: S. typhimurium

Results: Negative with and without metabolic activation

Method: Equivalent or similar to OECD 474 in vivo test

Reliability: 2

Species: Chinese hamster (male / female)

Route of exposure: Oral

Results: Negative

N-BUTYL ACETATE

UNDERBODY PROTECTIVE

Method: Equivalent or similar to OECD 471 in vitro test
Reliability: 2
Species: S. typhimurium, E. Coli
Results: Negative with and without metabolic activation

Method: OECD 474-test in vivo
Reliability: 2
Species: Mouse (NMRI; male / female)
Route of exposure: Oral
Results: Negative

METHYL ETHYL KETONE

Method: Equivalent or similar to OECD 471 in vitro test
Reliability: 2
Species: S. typhimurium
Results: Negative
Method: Equivalent or similar to OECD 474 in vivo test
Reliability: 2
Species: Mouse (CD-1; male / female)
Route of exposure: Intraperitoneal
Results: Negative

HEXANOIC ACID, 2-ETHYL-, ZINC SALT, BASIC

Method: OECD Guideline 471-in vitro test
Reliability: 1
Species: S. typhimurium
Results: Negative

ETHYLBENZENE

Method: EPA OPPTS 870.5300 - In vitro Mammalian Cell Gene Mutation Test in vitro test
Reliability: 1
Species: Lymphoma mouse
Results: Negative
Method: OECD Guideline 474 (Mammalian Erythrocyte Micronucleus Test) - in vivo test
Reliability: 1
Species: Mouse (NMRI; male)
Route of exposure: Oral
Results: Negative

CARCINOGENICITY

Does not meet the classification criteria for this hazard class

ETHYLBENZENE AND XYLENE REACTION MASS

Method: Equivalent or similar to EU Method B.32
Reliability: 2
Species: Rat (F344 / N; male / female)
Route of exposure: Oral
Results: Negative

ETHYLBENZENE

Classified in Group 2B (possible human carcinogen) by the International Agency for Research on Cancer (IARC) - (IARC, 2000).
Classified in Group D (not classifiable as a human carcinogen) by the US Environmental Protection Agency (EPA) - (US EPA file on-line 2014).

UNDERBODY PROTECTIVE

REPRODUCTIVE TOXICITY

Does not meet the classification criteria for this hazard class

ETHYL ACETATE

Method: Equivalent or similar to OECD 416

Reliability: 1

Species: Mouse (CD-1; male / female)

Route of exposure: Oral

Results: Negative

Method: Equivalent or similar to OECD 414

Reliability: 2

Species: Rat (Sprague-Dawley)

Route of exposure: Inhalation

Results: Negative

Adverse effects on sexual function and fertility

HYDROCARBONS, C7-C9, N-ALCANS, ISOALKANS, CYCLES

Method: Equivalent or similar to OECD Guideline 416

Reliability: 1

Species: Rat (Sprague-Dawley; male / female)

Route of exposure: Inhalation (vapors)

Results: NOAEL 31 680 mg / m³ air

N-BUTYL ACETATE

Method: OECD 416

Reliability: 1

Species: Rat (Sprague-Dawley; male / female)

Route of exposure: Inhalation (vapors)

Results: Negative, NOAEC (fertility) = 750 ppm

METHYL ETHYL KETONE

Method: Equivalent or similar to OECD 416

Reliability: 2

Species: Rat (Wistar; male / female)

Route of exposure: Oral

Results: NOAEL (fertility) 10 000 mg / L

ETHYLBENZENE

Method: Equivalent or similar to OECD Guideline 415

Reliability: 1

Species: Rat (Sprague-Dawley; male / female)

Route of exposure: Inhalation

Results: NOAEC 1 000 ppm

Adverse effects on development of the offspring

ETHYLBENZENE AND XYLENE REACTION MASS

Method: Equivalent or similar OECD Guideline 414

Reliability: 2

Species: Rat (Sprague-Dawley)

Route of exposure: Inhalation (vapors)

Results: NOAEC 500 ppm

UNDERBODY PROTECTIVE

HYDROCARBONS, C7-C9, N-ALCANS, ISOALKANS, CYCLES

Method: Food and Drug Administration 1966 "Guidelines for Reproduction Studies for Safety Evaluation of Drugs for Human Use", Segment II (Teratology Study).

Reliability: 2

Species: Rat (CD (SD))

Route of exposure: Inhalation (vapors)

Results: NOAEC 1 200 ppm

N-BUTYL ACETATE

Method: Equivalent or similar to OECD 414

Reliability: 1

Species: Rat (Sprague-Dawley)

Route of exposure: Inhalation (vapors)

Results: Positive, NOAEC (development) = 1500 ppm

METHYL ETHYL KETONE

Method: Equivalent or similar to OECD 414

Reliability: 1

Species: Rat (Sprague-Dawley)

Route of exposure: Inhalation

Results: NOAEC (development) ca. 1 002 ppm

ETHYLBENZENE

Method: OECD Guideline 414

Reliability: 1

Species: Rat (Sprague-Dawley)

Route of exposure: Inhalation

Results: NOAEC 500 ppm

STOT - SINGLE EXPOSURE

May cause drowsiness or dizziness

ETHYLBENZENE AND XYLENE REACTION MASS

Based on available data and through expert judgment, the substance is not classified in the target organ toxicity class for single exposure.

HYDROCARBONS, C7-C9, N-ALCANS, ISOALKANS, CYCLES

Based on available data and through expert judgment, the substance is classified in the target organ toxicity class for single exposure.

ETHYL ACETATE

Based on available data and through expert judgment, the substance is classified in the target organ toxicity class for single exposure.

N-BUTYL ACETATE

Based on available data and through expert judgment, the substance is classified in the target organ toxicity class for single exposure.

METHYL ETHYL KETONE

Based on available data and through expert judgment, the substance is classified in the target organ toxicity class for single exposure.

UNDERBODY PROTECTIVE

HEXANOIC ACID, 2-ETHYL-, ZINC SALT, BASIC

Based on available data and through expert judgment, the substance is not classified in the target organ toxicity class for single exposure.

ETHYLBENZENE

Based on available data and through expert judgment, the substance is classified in the target organ toxicity class for single exposure.

Target organ

HYDROCARBONS, C7-C9, N-ALCANS, ISOALKANS, CYCLES

Central nervous system

ETHYL ACETATE

Central nervous system

N-BUTYL ACETATE

Central nervous system.

METHYL ETHYL KETONE

Central nervous system.

ETHYLBENZENE

hearing organs

Route of exposure

HYDROCARBONS, C7-C9, N-ALCANS, ISOALKANS, CYCLES

Inhalation

ETHYL ACETATE

Inhalation

STOT - REPEATED EXPOSURE

Does not meet the classification criteria for this hazard class

ETHYLBENZENE AND XYLENE REACTION MASS

Method: Equivalent or similar to EU Method B.32

Reliability: 2

Species: Rat (F344 / N; male / female)

Route of exposure: Oral

Results: NOAEL 250 mg / kg bw / day

HYDROCARBONS, C7-C9, N-ALCANS, ISOALKANS, CYCLES

Method: Equivalent or similar to OECD Guideline 413

Reliability: 2

Species: Rat (Albino Harlan-Wistar; male)

Route of exposure: Inhalation (vapors)

UNDERBODY PROTECTIVE

Results: NOAEC 5 800 mg / m³ air

ETHYL ACETATE

Method: Equivalent or similar to EPA OTS 795.2600

Reliability: 2

Species: Rat (Sprague-Dawley; male / female)

Route of exposure: Oral

Results: NOAEL 900 mg / kg bw / day

Method: EPA OTS 798.2450

Reliability: 1

Species: Rat (CrI: CD®BR; male / female)

Route of exposure: Inhalation

Results: LOEC 350 ppm

N-BUTYL ACETATE

Method: EPA OTS 798.2650

Reliability: 2

Species: Rat (Sprague-Dawley; male / female)

Route of exposure: Oral

Results: NOAEL = 125 mg / kg bw / day

Method: EPA OTS 798.2450

Reliability: 1

Species: Rat (Sprague-Dawley; male / female)

Route of exposure: Inhalation (vapors)

Results: Negative, NOAEC = 500 ppm

METHYL ETHYL KETONE

Method: Equivalent or similar to OECD 413

Reliability: 1

Species: Rat (Fischer 344; male / female)

Route of exposure: Inhalation (vapors)

Results: NOAEC 5 041 ppm

HEXANOIC ACID, 2-ETHYL-, ZINC SALT, BASIC

Based on available data and through expert judgment, the substance is not classified in the target organ toxicity class for prolonged or repeated exposure.

ETHYLBENZENE

Method: OECD Guideline 407

Reliability: 1

Species: Rat (Wistar; male / female)

Route of exposure: Oral

Results: NOAEL 75 mg / kg bw / day

Method: Equivalent or similar to OECD Guideline 453

Reliability: 1

Species: Rat (Fischer 344; male / female)

Route of exposure: Inhalation (vapors)

Results: NOAEC 250 ppm

ASPIRATION HAZARD

Does not meet the classification criteria for this hazard class Viscosity: 17500 cPs a 25°

SECTION 12. Ecological information

UNDERBODY PROTECTIVE

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

N-BUTYL ACETATE

LC50 - for Fish	18 mg/l/96h
EC50 - for Crustacea	44 mg/l/48h
EC50 - for Algae / Aquatic Plants	397 mg/l/72h
EC10 for Algae / Aquatic Plants	196 mg/l/72h
Chronic NOEC for Algae / Aquatic Plants	196 mg/l

ETHYLBENZENE AND XYLENE REACTION

MASS

LC50 - for Fish	2,6 mg/l/96h
EC50 - for Crustacea	1 mg/l/48h
EC50 - for Algae / Aquatic Plants	1,3 mg/l/72h
EC10 for Algae / Aquatic Plants	0,44 mg/l/72h
Chronic NOEC for Algae / Aquatic Plants	0,44 mg/l

12.2. Persistence and degradability

HYDROCARBONS, C7-C9, N-ALCANS, ISOALKANS, CYCLES

Quickly biodegradable, 98% in 28 days.

ETHYL ACETATE

Rapidly degradable, 60% in 10 days.

N-BUTYL ACETATE

Easily degradable in water, 83% in 28 days.

METHYL ETHYL KETONE

Rapidly degradable in water, 60% in 14 days.

HEXANOIC ACID, 2-ETHYL-, ZINC SALT, BASIC

Quickly biodegradable, 99% in 28 days.

ETHYLBENZENE

Rapidly biodegradable, 79% in 28 days.

ETHYL ACETATE

Solubility in water > 10000 mg/l

Rapidly degradable

METHYL ETHYL KETONE

Solubility in water > 10000 mg/l

Rapidly degradable

ETHYLBENZENE

Solubility in water 1000 - 10000 mg/l

Rapidly degradable

N-BUTYL ACETATE

Solubility in water 1000 - 10000 mg/l

12.3. Bioaccumulative potential

UNDERBODY PROTECTIVE

ETHYL ACETATE

Partition coefficient: n-octanol/water 0,68

BCF 30

METHYL ETHYL KETONE

Partition coefficient: n-octanol/water 0,3

ETHYLBENZENE

Partition coefficient: n-octanol/water 3,6

N-BUTYL ACETATE

Partition coefficient: n-octanol/water 2,3

BCF 15,3

12.4. Mobility in soil

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.

ETHYL ACETATE

Dispose of as hazardous waste. Recover or recycle if possible. Otherwise incineration. Dispose according to local regulations.

Disposal of the container: empty the container completely. Empty containers may contain highly flammable residues. Do not cut, grind, puncture, weld or dispose of containers unless adequate precautions have been taken against this hazard. Do not remove the container labels until they are cleaned. Send to drum recovery or metal recovery.

HEXANOIC ACID, 2-ETHYL-, ZINC SALT, BASIC

The waste is classified as hazardous waste. Number. CAE 070214.

ETHYLBENZENE

- The product must not be allowed to enter drains, water courses or the soil.

- The contaminated product, soil or water can be hazardous waste due to a potentially low flash point.

- Comply with applicable local, state or international regulations regarding solid or hazardous waste disposal and / or disposal of containers.

UNDERBODY PROTECTIVE

- Make sure that the effluent complies with the applicable regulations.
- Solids in landfills in permitted sites.
- Use registered carriers.
- Burns concentrated liquids.
- Avoid the flames.
- Ensure that emissions comply with applicable regulations.
- Avoid overloading / poisoning the biomass of plants.
- Diluting aqueous waste can biodegrade.

SECTION 14. Transport information

14.1. UN number

ADR / RID, IMDG, 1263
IATA:

14.2. UN proper shipping name

ADR / RID: PAINT or PAINT RELATED MATERIAL
IMDG: PAINT or PAINT RELATED MATERIAL
IATA: PAINT or 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, I
IATA:

14.5. Environmental hazards

ADR / RID: NO
IMDG: NO
IATA: NO

14.6. Special precautions for user

ADR / RID: HIN - Kemler: 33

Limited
Quantities:
0,5 L

Tunnel
restriction
code: (D/E)

IMDG: Special Provision: -
EMS: F-E, S-E

Limited
Quantities:
0,5 L

UNDERBODY PROTECTIVE

IATA:	Cargo:	Maximum quantity: 30 L	Packaging instructions: 361
	Pass.:	Maximum quantity: 1 L	Packaging instructions: 351
	Special Instructions:	A3, A72, A192	

14.7. Transport in bulk according to Annex II of Marpol 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 - Directive 2012/18/EC: P5c

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

Product
Point 3 - 40

Substances in Candidate List (Art. 59 REACH)

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

Substances subject to authorisation (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.

15.2. Chemical safety assessment

A chemical safety assessment has not been performed for the preparation/for the substances indicated in section 3.

SECTION 16. Other information

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

Flam. Liq. 2	Flammable liquid, category 2
Flam. Liq. 3	Flammable liquid, category 3
Repr. 2	Reproductive toxicity, category 2
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 2	Hazardous to the aquatic environment, chronic toxicity, category 2
Aquatic Chronic 3	Hazardous to the aquatic environment, chronic toxicity, category 3
H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H361	Suspected of damaging fertility or the unborn child.
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.
H336	May cause drowsiness or dizziness.
H400	Very toxic to aquatic life.
H411	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

UNDERBODY PROTECTIVE

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

GENERAL BIBLIOGRAPHY

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 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
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 7. Regulation (EU) 487/2013 (IV Atp. CLP) of the European Parliament
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- The Merck Index. - 10th Edition
 - Handling Chemical Safety
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 - IFA GESTIS website
 - ECHA website
 - Database of SDS models for chemicals - Ministry of Health and ISS (Istituto Superiore di Sanità) - Italy

Note for users:

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 guarantee 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.

Product's classification is based on the calculation methods set out in Annex I of the CLP Regulation, unless otherwise indicated in sections 11 and 12.

The data for evaluation of chemical-physical properties are reported in section 9.