

Printing date 04.02.2015 V- 1 Revision: 02.02.2015

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

1.1 Product identifier XM0011

Trade name: Cleaner - solvent based

1.2 Relevant identified uses of the substance or mixture and uses advised against Identified uses: professional use.

Application of the substance / the mixture Degreasing agent

1.3 Details of the supplier of the safety data sheet Manufacturer/Supplier: ReCorp s.r.o.

Jána Hollého 699/55 Michalovce 071 01 ICO: 47 503 181 Tel.:+421 907 319 730

Further information obtainable from:info@trixxal.com

1.4 Emergency telephone number: Národné toxikologické a informačné centrum

FNsP Akadémia L. Dérera Limbová 5, SK – 833 05 Bratislava + 421 254 774 166 (24 hours per day)

Fax: + 421 254 774 605

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture Classification according to Regulation (EC) No 1272/2008



GHS02

Flam. Liq. 2 H225 Highly flammable liquid and vapour.



Repr. 2 H361 Suspected of damaging fertility or the unborn child. Asp. Tox. 1 H304 May be fatal if swallowed and enters airways.



Aquatic Chronic 2 H411 Toxic to aquatic life with long lasting effects.



Skin Irrit. 2 H315 Causes skin irritation.

STOT SE 3 H336 May cause drowsiness or dizziness.

Classification according to Directive 67/548/EEC or Directive 1999/45/EC



Xn; Harmful

R65: Harmful: may cause lung damage if swallowed.



Xi; Irritant

R38: Irritating to skin.



F; *Highly flammable*

R11: Highly flammable.



N; Dangerous for the environment

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R51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R67: Vapours may cause drowsiness and dizziness.

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008

The product is classified and labelled according to the CLP regulation.

Hazard pictograms









GHS02 G

GHS07

HS08

GHS09

Signal word Danger

Hazard-determining components of labelling:

Naphtha (petroleum), hydrotreated light

Hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclics, <2% aromatics

Hazard statements

H225 Highly flammable liquid and vapour.

H315 Causes skin irritation.

H361 Suspected of damaging fertility or the unborn child.

H336 May cause drowsiness or dizziness.

H304 May be fatal if swallowed and enters airways.

H411 Toxic 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.

P271 Use only outdoors or in a well-ventilated area.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P273 Avoid release to the environment.

P201 Obtain special instructions before use.

P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/doctor.

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

2.3 Other hazards

Results of PBT and vPvB assessment

PBT: Not applicable. **vPvB:** Not applicable.

SECTION 3: Composition/information on ingredients

3.2 Chemical characterisation: Mixtures

Description: Mixture of substances listed below with nonhazardous additions.

۱	Dangerous components:		
Ī	EC number: 927-241-2	Hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclics, <2% aromatics	25-50%
	Reg.nr.: 01-2119471843-32		
		R10-52/53-66-67	
		♦ Flam. Liq. 3, H226; ♦ Asp. Tox. 1, H304; ♦ STOT SE 3, H336; Aquatic Chronic 3, H412	
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CAS: 64742-49-0	Naphtha (petroleum), hydrotreated light	td. of page 25-50%
EINECS: 265-151-9 Reg.nr.: 01-2119475133-43	X Xn R65; X Xi R38; → F R11; Y N R51/53	23-307
	♦ Flam. Liq. 2, H225; ♦ Repr. 2, H361; Asp. Tox. 1, H304; ♦ Aquatic Chronic 2, H411; ♦ Skin Irrit. 2, H315; STOT SE 3, H336	
EC number: 918-668-5 Reg.nr.: 01-2119455851-35	hydrocarbons, C9, aromatics X Xn R65; X Xi R37; № N R51/53 R10-66-67	1-5%
	♦ Flam. Liq. 3, H226; ♦ Asp. Tox. 1, H304; ♦ Aquatic Chronic 2, H411; ♦ STOT SE 3, H335-H336	
EC number: 905-562-9 Reg.nr.: 01-2119555267-33	reaction mass of ethylbenzene and m-xylene and p-xylene Xn R20/21; Xi R38 Flam. Liq. 3, H226; Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Irrit. 2, H315	1-5%
CAS: 141-78-6 EINECS: 205-500-4 Reg.nr.: 01-2119475103-46	L	1-5%
	♦ Flam. Liq. 2, H225; ♦ Eye Irrit. 2, H319; STOT SE 3, H336	
Regulation (EC) No 648/20	04 on detergents / Labelling for contents	
BENZYL BENZOATE, BENZ	ZYL ALCOHOL	< 5%

Additional information: For the wording of the listed risk phrases refer to section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

General information:

Immediately remove any clothing soiled by the product.

In case of irregular breathing or respiratory arrest provide artificial respiration.

Take affected persons out of danger area and lay down.

After inhalation:

Supply fresh air and to be sure call for a doctor.

In case of unconsciousness place patient stably in side position for transportation.

After skin contact:

Immediately wash with water and soap and rinse thoroughly.

If skin irritation continues, consult a doctor.

After eye contact: Rinse opened eye for several minutes under running water.

After swallowing: Do not induce vomiting; call for medical help immediately.

4.2 Most important symptoms and effects, both acute and delayed No further relevant information available.

4.3 Indication of any immediate medical attention and special treatment needed

No further relevant information available.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing agents: CO2, sand, extinguishing powder. Do not use water.

For safety reasons unsuitable extinguishing agents: Water with full jet

5.2 Special hazards arising from the substance or mixture

Can form explosive gas-air mixtures.

Formation of toxic gases is possible during heating or in case of fire.

5.3 Advice for firefighters

Protective equipment:

Wear self-contained respiratory protective device.

Do not inhale explosion gases or combustion gases.

Additional information

Cool endangered receptacles with water spray.

Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

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Collect contaminated fire fighting water separately. It must not enter the sewage system.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Wear protective equipment. Keep unprotected persons away.

Ensure adequate ventilation

Keep away from ignition sources.

Avoid contact with the eyes and skin.

6.2 Environmental precautions:

Inform respective authorities in case of seepage into water course or sewage system.

Do not allow to enter sewers/ surface or ground water.

6.3 Methods and material for containment and cleaning up:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Dispose contaminated material as waste according to item 13.

Do not flush with water or aqueous cleansing agents

6.4 Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Ensure good ventilation/exhaustion at the workplace.

Ensure good interior ventilation, especially at floor level. (Fumes are heavier than air).

Avoid contact with the eyes and skin.

Do not eat, drink, smoke or sniff while working.

Do not allow to enter sewers/ surface or ground water.

Information about fire - and explosion protection:

Keep ignition sources away - Do not smoke.

Protect against electrostatic charges.

 ${\it Use\ explosion-proof\ apparatus\ / fittings\ and\ spark-proof\ tools.}$

Fumes can combine with air to form an explosive mixture.

7.2 Conditions for safe storage, including any incompatibilities

Storage

Requirements to be met by storerooms and receptacles:

Store in a cool location.

Store only in the original receptacle.

Information about storage in one common storage facility:

Store away from foodstuffs.

Store away from oxidising agents.

Further information about storage conditions:

Store in cool, dry conditions in well sealed receptacles.

Protect from heat and direct sunlight.

Store receptacle in a well ventilated area.

7.3 Specific end use(s) No further relevant information available.

SECTION 8: Exposure controls/personal protection

Additional information about design of technical facilities: No further data; see item 7.

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8.1 Control parameters

Ingredient	Ingredients with limit values that require monitoring at the workplace:			
reaction m	reaction mass of ethylbenzene and m-xylene and p-xylene			
WEL (Great Britain)		in) Short-term value: 441 mg/m³, 100 ppm Long-term value: 220 mg/m³, 50 ppm Sk, BMGV		
141-78-6 е	ethyl ac	etate		
WEL (Great Britain) Short-term value: 400 ppm Long-term value: 200 ppm				
DNELs				
hydrocarb	ons, C9	, aromatics		
Dermal	DNEL	25 mg/kg bw/day (long-term - systemic effects, workers)		
Inhalative DNEL 150 mg/m3 (long-term - systemic effects, workers)		150 mg/m3 (long-term - systemic effects, workers)		
141-78-6 е	ethyl ac	etate		
Dermal	DNEL	63 mg/kg bw/day (long-term - systemic effects, workers)		
Inhalative	DNEL	1468 mg/m3 (acute - systemic effects, workers)		
		1468 mg/m3 (acute - local effects, workers)		
		734 mg/m3 (long-term - systemic effects, workers)		
		734 mg/m3 (long-term - local effects, workers)		
PNECs				
141-78-6 е	141-78-6 ethyl acetate			
PNEC 0.2	PNEC 0.24 mg/l (freshwater environment)			
0.0	0.024 mg/l (marine environment)			
1.6	1.65 mg/l (intermittent releases)			
1.1	'5 mg/kg	g (freshwater sediment environment)		
0.1	0.115 mg/kg (marine sediment environment)			

Ingredients with biological limit values:

0.148 mg/kg (soil)

reaction mass of ethylbenzene and m-xylene and p-xylene

BMGV (Great Britain) 650 mmol/mol creatinine

650 mg/l (sewage treatment plants)

Medium: urine

Sampling time: post shift

Parameter: methyl hippuric acid

Additional information: The lists valid during the making were used as basis.

8.2 Exposure controls

Personal protective equipment:

General protective and hygienic measures:

Ensure good ventilation/exhaustion at the workplace.

Ensure good interior ventilation, especially at floor level. (Fumes are heavier than air).

Keep ignition sources away - Do not smoke.

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing

Wash hands before breaks and at the end of work.

Avoid contact with the skin.

Avoid contact with the eyes and skin.

Do not eat or drink while working.

Respiratory protection:

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.

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Filter A/P2

Use suitable respiratory protective device in case of insufficient ventilation.

Protection of hands:



Check the permeability prior to each anewed use of the glove.

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation (EN 374).

Material of gloves

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

Penetration time of glove material

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

Eye protection:



Tightly sealed goggles

Body protection: Protective work clothing

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties			
General Information Appearance:			
Form:	Fluid		
Colour:	Colourless		
Odour:	Product specific		
Odour threshold:	Not determined.		
pH-value:	Not applicable.		
Change in condition			
Melting point/Melting range:	Undetermined.		
Boiling point/Boiling range:	70 °C		
	Undetermined.		
Flash point:	18 °C		
Flammability (solid, gaseous):	Not applicable.		
Decomposition temperature:	Not determined.		
Auto-ignition temperature:	Not determined.		
Danger of explosion:	Product is not explosive. However, formation of explosive air/vapour mixtures are possible.		
Explosion limits:			
Lower:	0.7 Vol %		
Upper:	11.5 Vol %		
Vapour pressure at 20 °C:	98 hPa		
Density:	$0.74-0.75 \text{ g/cm}^3$		
Vapour density	Not determined.		

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	(Conta. b) page
Evaporation rate	Not determined.
Solubility in / Miscibility with water:	Not miscible or difficult to mix.
Partition coefficient (n-octanol/	water): Not determined.
Viscosity:	
Dynamic:	Not determined.
Kinematic:	Not determined.
9.2 Other information	No further relevant information available.

SECTION 10: Stability and reactivity

- 10.1 Reactivity No decomposition if used according to specifications.
- 10.2 Chemical stability No decomposition if used and stored according to specifications.
- 10.3 Possibility of hazardous reactions Fumes can combine with air to form an explosive mixture.
- 10.4 Conditions to avoid Protect from heat and direct sunlight.
- 10.5 Incompatible materials: No further relevant information available.
- 10.6 Hazardous decomposition products: Formation of toxic gases is possible during heating or in case of fire.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity:

Acute toxicity:			
LD/LC50 1	LD/LC50 values relevant for classification:		
64742-49-0	64742-49-0 Naphtha (petroleum), hydrotreated light		
Oral	LD50	>5000 mg/kg (rat)	
Dermal	LD50	>2000 mg/kg (rabbit)	
Inhalative	LC50/4 h	>5610 mg/l (rat)	
hydrocarbo	hydrocarbons, C9, aromatics		
Oral	LD50	3592 mg/kg (rat)	
Dermal	LD50	>3160 mg/kg (-)	
Inhalative	LC50/4 h	>6193 mg/l (rat)	
reaction m	reaction mass of ethylbenzene and m-xylene and p-xylene		
Oral	ATE	>2000 mg/kg (-)	
Dermal	ATE	1466.67 mg/kg (-)	
Inhalative	ATE	12.09 mg/l (-)	
141-78-6 е	141-78-6 ethyl acetate		
Oral	LD50	6100 mg/kg (rat)	
Dermal	LD50	> 20000 mg/kg (rabbit)	
Inhalative	LC50/6 h	58 mg/l (rat)	
D	Driman invitant offeet.		

Primary irritant effect:

on the skin: Irritant to skin and mucous membranes.

on the eye: No irritating effect.

Sensitisation: No sensitising effects known. **Additional toxicological information:**

The product shows the following dangers according to the calculation method of the General EU Classification

Guidelines for Preparations as issued in the latest version:

Irritant

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CMR effects (carcinogenity, mutagenicity and toxicity for reproduction)

Repr. 2

SECTION 12: Ecological information

12.1 Toxicity

Aquatic toxicity:				
64742-49-0 Naphtha (petroleum), hydrotreated light				
EC50/48h 4.5 mg/l (Daphnia magna)				
LL50/96h 8.2 mg/l (Pimephales promelas)				
hydrocarbons, C9, aromatics				
EC50/48h 3.2 mg/l (Daphnia magna)				
EC50/72h 2.9 mg/l (Pseudokirchnerella subcapitata)				
LC50/96h 9.2 mg/l (oncorhynchus mykiss)				
141-78-6 ethyl acetate				
EC3/16 h 650 mg/l (Pseudomonas putida)				
EC50/48h 165 mg/l (Daphnia cucullata)				
EC50/72h > 900 mg/l (Scenedesmus subspicatus)				
LC50/96h 230 mg/l (Pimephales promelas)				
12.2 Persistence and degradability				

hydrocarbons, C9, aromatics

Biodegradation 78 % (readily biodegradable) (OECD 301 F)

141-78-6 ethyl acetate

Biodegradation 93.9 % (readily biodegradable) (OECD 301 B, aerobic)

12.3 Bioaccumulative potential

141-78-6 ethyl acetate

BCF30 (-)

log Kow 0.66 (-)

12.4 Mobility in soil No further relevant information available.

Additional ecological information:

General notes:

Do not allow product to reach ground water, water course or sewage system.

Danger to drinking water if even small quantities leak into the ground.

Also poisonous for fish and plankton in water bodies.

Toxic for aquatic organisms

12.5 Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

12.6 Other adverse effects No further relevant information available.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Recommendation

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

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

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Uncleaned packaging:

Recommendation: Disposal must be made according to official regulations.

SECTION 14: Transport information	
14.1 UN-Number ADR, IMDG, IATA	UN1263
14.2 UN proper shipping name ADR	1263 PAINT RELATED MATERIAL, ENVIRONMENTALLY HAZARDOUS
IMDG	PAINT RELATED MATERIAL (Naphtha (petroleum), hydrotreated light, hydrocarbons, C9, aromatics), MARINE POLLUTANT
IATA	PAINT RELATED MATERIAL
14.3 Transport hazard class(es)	
ADR, IMDG, IATA	
Class Label	3 Flammable liquids. 3
14.4 Packing group ADR, IMDG, IATA	II
14.5 Environmental hazards: Marine pollutant:	Environmentally hazardous substance, liquid Product contains environmentally hazardous substances: allyl heptanoate, Naphtha (petroleum), hydrotreated light Yes
Special marking (ADR):	Symbol (fish and tree) Symbol (fish and tree)
14.6 Special precautions for user	Warning: Flammable liquids.
Danger code (Kemler): EMS Number:	33 F-E, <u>S-E</u>
14.7 Transport in bulk according to Anne MARPOL73/78 and the IBC Code	ex II of Not applicable.
Transport/Additional information:	
ADR Limited quantities (LQ) Transport category Tunnel restriction code	5L 2 D/E
UN "Model Regulation":	UN1263, PAINT RELATED MATERIAL, ENVIRONMENTALLY HAZARDOUS, 3, II

SECTION 15: Regulatory information

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

National regulations:

Information about limitation of use:

Employment restrictions concerning juveniles must be observed.

Employment restrictions concerning pregnant and lactating women must be observed.

15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

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SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Relevant phrases

- H225 Highly flammable liquid and vapour.
- H226 Flammable liquid and vapour.
- H304 May be fatal if swallowed and enters airways.
- H312 Harmful in contact with skin.
- H315 Causes skin irritation.
- H319 Causes serious eye irritation.
- H332 Harmful if inhaled.
- H335 May cause respiratory irritation.
- H336 May cause drowsiness or dizziness.
- H361 Suspected of damaging fertility or the unborn child.
- H411 Toxic to aquatic life with long lasting effects.
- H412 Harmful to aquatic life with long lasting effects.
- R10 Flammable.
- R11 Highly flammable.
- R20/21 Harmful by inhalation and in contact with skin.
- R36 Irritating to eyes.
- R37 Irritating to respiratory system.
- R38 Irritating to skin.
- R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
- R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
- R65 Harmful: may cause lung damage if swallowed.
- R66 Repeated exposure may cause skin dryness or cracking.
- R67 Vapours may cause drowsiness and dizziness.

Abbreviations and acronyms:

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

DNEL: Derived No-Effect Level (REACH)

PNEC: Predicted No-Effect Concentration (REACH)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

Flam. Liq. 2: Flammable liquids, Hazard Category 2

Flam. Liq. 3: Flammable liquids, Hazard Category 3 Acute Tox. 4: Acute toxicity, Hazard Category 4

Skin Irrit. 2: Skin corrosion/irritation, Hazard Category 2

Eye Irrit. 2: Serious eye damage/eye irritation, Hazard Category 2

Repr. 2: Reproductive toxicity, Hazard Category 2

STOT SE 3: Specific target organ toxicity - Single exposure, Hazard Category 3

Asp. Tox. 1: Aspiration hazard, Hazard Category 1

Aquatic Chronic 2: Hazardous to the aquatic environment - Chronic Hazard, Category 2

Aquatic Chronic 3: Hazardous to the aquatic environment - Chronic Hazard, Category 3

Sources European Chemicals Agency, http://echa.europa.eu/