

CARD OF CHARACTERISTICS

On the basis of Commission Regulation (EU) No. 830/2015 dated 28.05.2015 r.

**TRANS-MICHOR
DYSTRYBUCJA
KUTNO**

TRANSOL D5

Date of issue: 18.11.2019

Rev. date:...07.01.2020.....

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

1.1. Product identifier

Trade name:

TRANSOL D5

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

Professional and consumer universal solvent to dilute paints, cleaning surfaces before painting, cleaning tools and painting systems. **CN 38140090**

1.3. Details of the supplier of the safety data sheet

TRANS-MICHOR DYSTRYBUCJA Sp. Z o.o. sp.kom.

Ul. Skłęczkowska 18

99-300 Kutno

Tel. +48 601 385 234

e-mail: Handlowy-dystrybucja@transmichor.pl

1.4. Emergency telephone number

+48 42 631 47 25 – National Toxicological Information Centre

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to the Regulation 1272/2008

The mixture is classified as hazardous.

Flam. Liq. 2

H225 - Highly flammable liquid and vapor

Acute Tox. 3

H301 Toxic if swallowed. .

H311 Toxic in contact with skin.

H331 Toxic if inhaled.

STOT SE 1

H370 Causes damage to organs.

Skin Irrit. 2

H315 Causes skin irritation.

Eye Irrit.2

H319 Causes eyes irritation.

Asp. Tox. 1

H304 May be fatal if swallowed and enters airways.

STOT SE 3

H336 May cause drowsiness or dizziness.

Muta 1B

H340 May cause genetic defects

Carc. 1B

H350 May cause cancer

Repr.2

H361 Suspected of damaging the unborn child

Aquatic Chronic. 2

H411 Toxic to aquatic life with long lasting effects.

2.2. Label elements

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Labelling according to the Regulation 1272/2008

Warning:

DANGER

Pictogram



Hazard phrases

H225 Highly flammable liquid and steam
H301 Toxic if swallowed.
H304 May be fatal if swallowed and enters airways.
H311 Toxic in contact with skin
H319 Causes eyes irritation.
H331 Toxic if inhaled
H370 Cause damage to organs
H373 May cause damage to organs through prolonged or repeated exposure
H315 Causes skin irritation
H336 May cause drowsiness or dizziness
H340 May cause genetic defects.
H350 May cause cancer
H361 Suspected of damaging fertility or the unborn child
H411 Toxic to aquatic life with long lasting effects.

Precautionary statements

Prevention

P201 Obtain special instructions before use.
P280 Wear protective gloves/protective clothing/eye protection/face protection.

Response

P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER/doctor/...
P304 + P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P303+P361+P353 IF ON SKIN (or hair) Take off immediately all contaminated clothing. Rinse skin with water/shower.
P331 Do NOT induce vomiting

Storage

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P243 Take precautionary measures against static discharge.

Removal

210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P501 Dispose of contents/container in accordance with local/regional regulation

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Includes:

Acetone <1% CAS 67-64-1, Butyl acetate <0.1% CAS 123-86-4

2.3. Other hazards

The substance does not meet the criteria for PBT vPvB according to appendix XIII

SECTION 3: Composition / information on ingredients**3.2. Mixture****Chemical nature:** a mixture of organic substances.

Name of the substance	ID	Classification of 1272/2008		% weight
Petroleum product	Index 649-264-00-4 CAS 64741-41-9 EC 265-041-0	Flam. Liq. 2	H225	40-60
		Asp. Tox. 1	H304	
		Skin Irrit. 2	H315	
		STOT SE 3	H336	
		Muta. 1B	H340	
		Carc. 1B	H350	
		Repr.2	H361d	
Aquatic Chronic 2	H411			
Non-specified gasoline	Index 601-017-00-1 CAS 110-82-7 EC 203-806-2	Flam.liq 2	H225	30-50
		Asp. Tox. 4	H302	
		STOT RE 2	H304	
	Skin Irrit. 2	H315		
	Index 601-037-00-0 CAS 110-54-3 EC 203-777-6	Eye Irrit. 2	H319	
		STOT SE 3	H336	
		Aquatic Chronic 2	H411	
Ethyl alcohol	Index 603-002-00-5 CAS 64-17-5 WE 200-578-6	Flam. Liq. 2	H225	0-1
		Acute.Tox.3	H302	
		Eye Irrit. 2	H319	
Methanol	Index 603-001-00-X CAS 67-56-1 WE 200-659-6	Flam. Liq. 3	H225	1-3
		Acute Tox. 3	H331	
		Acute Tox. 3	H311	
		Acute Tox. 3	H301	
		STOT SE 1	H370	
Isopropyl alcohol	Index 603-117-00-0 CAS 67-63-0 WE 200-661-2	Flam.Liq. 3	H225	0-1
		Eye lmt.2	H319	
		STOT SE 3	H336	
Methylterbutylether	Index 603-181-00-X CAS 1634-04-4 We 216-653-1	Flam.Liq. 2	H225	1-4
		Skin Irrit.	H314	

*** - Appointed NDS**

Full meaning of H-Statements and acronyms, symbols, hazard class and category codes were given in Section 16 of the safety sheet.

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SECTION 4: First aid measures

4.1. Description of first aid measures

The consequences of inhaling:

Remove person to fresh air and keep comfortable for breathing .
In need - provide artificial respiration or oxygen – by a specially person trained.
Obtain medical assistance.

Consequences of swallowing:

First, contact your doctor or the toxicological center.
Give 2-3 glasses of water to drink.
Do not induce vomiting – may cause aspiration.
Do not give an unconscious person anything to swallow.
Provide peace and quite, lying and warmth.

Contact with eyes:

Remove contact lenses. Wash contaminated eyes with greater amounts of water for 15-20 minutes, with recurved eyelids. Cover eyes with sterile dressing.
Seek an ophthalmologist.

Contact with skin:

Remove contaminated clothing and shoes.
Mechanically clean the contaminated skin, rinse with plenty of water and then water with mild soap. If the irritation does not stop, consult a dermatologist.

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

Inhaling:
Prolonged inhalation can generate the following symptoms: mental imbalance, headache, dementia.
Contact with skin:
May cause local skin redness.
Contact with eyes:
May cause eye irritation.
Swallowing:
May cause lung damage.

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

There should be available measures to provide specific and immediate help in the workplace.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media:

water spray, carbon dioxide CO₂, dry chemical, foam.

Unsuitable extinguishing media:

Do not use condensed streams of water onto the burning mixture.

5.2. Special hazards arising from the substance or mixture

Specific hazards during fire.

Thermal decomposition can lead to release of irritating gases and vapors.
Liquid mixture, flammable.

Hazardous combustion.

May produce explosive mixtures with air under favorable conditions of temperature and humidity

5.3. Advice for firefighters

Use standard chemical methods for extinguishing fires.
Containers exposed to high temperature should be cooled with water and if possible remove them from the affected area.

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Knock off vapors with water spray jet.

Protective equipment for firefighters:

Clothing resistant to high temperatures.

Independent-contained breathing apparatus.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Remove potential sources of ignition. Do not smoke.

Provide adequate ventilation.

Knock off fumes with water mist.

Follow the emergency instruction.

Persons providing aid should wear protective clothing,

Protective gloves made of coated plastic resistant to organic solvents,

tight goggles, and respiratory protection if necessary.

6.2. Environmental precautions

Collect the discharged mixture as soon as possible.

Secure gullies.

Prevent pollution of the environment.

In case of serious pollution of a watercourse or sewer system or soil contamination, notify the appropriate administrative and control authorities, and emergency organizations.

6.3. Methods and material for containment and cleaning up

Keep damaged packaging.

Ventilate affected area and avoid breathing vapors.

Collect with absorbing material (e.g. sand, diatomaceous earth, vermiculite, silica gel).

Put the collected mass in a replacement container and direct to disposal.

Rinse the cleaned area with plenty of water.

In the case of release of the mixture to surface waters, warn users.

6.4. Reference to other sections

Individual protection measures: section 8

Methods of disposal: section 13

SECTION 7: Handling and storage

7.1. Precautions for safe handling

During all, the operation performed with the mixture:

Do not allow the emergence and spread of fire.

Prevent formation of aerosols.

Prevent discharges into the environment.

Prevent penetration into drains.

The provisions of general industrial hygiene are obliged.

When using this product: do not eat, drink or smoke.

Replace contaminated clothing.

Wash contaminated clothing before reuse.

Wash hands and face before work breaks.

After work, wash the surface of the body and clean personal protective equipment.

7.2. Conditions for safe storage, including any incompatibilities

Warehouses must be suitable for storage of hazardous and flammable products

Keep only in the original container with the label properly marked, in a Polish language, complying with the applicable regulations.

Keep container tightly closed.

Open containers handle very carefully to avoid spillage.

Storage temperature is about <35°C.

Materials to be avoided: Strong oxidizing agents

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Protect against sunlight and strong heat sources.

Read MSDS or label.

7.3. Specific end use(s)

No data

SECTION 8: Exposure controls / personal protection

8.1. Control parameters

The national occupational exposure limit values in the work environment,

According to Minister of Family, Labour and Social Policy of 29.11.2002. (Journal of Laws No. 217, item. 1833) on

the maximum permissible concentration and intensity of harmful factors in the work environment with the change of 1.10.2005r. (Journal of Laws No. 212, item.1769) with the change of 30.09.2007. (Journal of Laws No. 161, item.1142) and the amendment of 16.06.2009. (Journal of Laws No.105, item. 873);

SUBSTANCE	ID	NDS (mg/m ³)	NDSCh (mg/m ³)	NDSP (mg/m ³)
Gasoline:				
Extraction		500	1500	
Paint		300	900	
n-hexane		72		
Methanol		100	300	
Ethanol		1900		
Methylterbutyleter		180	270	-

For substance CAS 64741-41 there are no maximum allowable concentrations subject to control of exposure in the workplace (Journal of Laws of 2014, item. 817)

Air pollutants do not occur in the case of proper conduct and application.

Typical DNELs for workers and consumers:

DNEL worker (inhalation, acute toxicity)	384 mg / m ³ 15 minutes.
DNEL worker (inhalation, chronic toxicity)	192 mg / m ³ / 8h
DNEL Consumer (inhalation, acute toxicity)	56 mg / m ³ 15 minutes.
DNEL Consumer (inhalation, chronic toxicity)	226 mg / m ³ / 24
PNEC water, sediment, soil, sewage treatment plant,	13,61mg / l

8.2. Exposure controls

Appropriate engineering controls

Do not allow to excess in the workplace environment any normative component concentrations posing a threat.

Explosion -proof devices.

Individual protection measures,



Eye or face protection

Wear protective goggles with close-fitting or facial screens.

Bottle to rinse the eyes with clean water or eyewashes near the work place.

Skin care



Protection of hands:

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Protective gloves should be made from nitrile / chloroprene:
(thickness of 0.65 +/- 0.1 mm, breakthrough time => 480 min)

Nitrile:

(thickness: 0.4 +/- 0.05 mm, breakthrough time => 480 min)

FKM:

(thickness of 0.7 +/- 0.1 mm, breakthrough time => 480 min)

in accordance with EN 374.

Refer to the resistance to chemicals and the time period of use.

Use barriercream on exposed parts of the body.

When working in the vicinity of sharp-edged objects, the gloves can be damaged.

Skin care:

Protective clothing, shoes,

Safety shower.

Respiratory protection

Respiratory protection when working in an atmosphere of vapor content of the product filters according to EN 149

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties CN 38140090

a) Appearance :	Under normal conditions, the liquid.
b) Odour:	Characteristic for solvents
c) Odor threshold:	No data available.
d) pH value:	Not applicable.
e) Melting / freezing point:	<-60 C
f) Initial boiling point and Boiling range:	> 40 C <200 C
g) Flash point:	<25 C
h) Evaporation rate:	No data available.
i) Flammability (solid, gas):	Not applicable
j) Upper / lower flammability limit:	7.6-0,6% vol.
k) Vapour pressure:	0.35- 0.90 kPa at 37.8 C
l) Vapour density	> 3 (air = 1)
m) Relative density:	760-780 kg / m3
n) Solubility:	30-100mg / l in 20°C
o) Partition coefficient: n-octanol/water	No data available. Log.Po/w=-0,29 w 25 C
p) Auto-ignition temperature	270-470°C
q) Decomposition temperature:	No data available
r) Viscosity:	<1 mm ² /s 40 C
s) Explosive properties:	not explosive
t) Oxidising properties:	not oxidizing

9.2. Other information

No data

SECTION 10: Stability and reactivity

10.1. Reactivity

The mixture is chemically stable in normal conditions.

10.2. Chemical stability

the mixture is chemically stable when stored and used normally.

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10.3. Possibility of hazardous reactions

The mixture reacts with strong oxidants and strong acids.

10.4. Conditions to avoid

Avoid contact with strong sources of heat, ie. The solar radiation and flames.

10.5. Incompatible materials

Strong oxidizing agents.

10.6. Hazardous decomposition products

They do not occur in the case of proceedings as intended.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Substances

Based on available data, the classification criteria are not met.

Component CAS-number: Dose value unit

Petroleum product 64741-41-9

LD50 - oral rat > 4820 mg / kg

LD50 - cutaneous rabbit > 6000mg / kg

LC50 - inhalation Rat > 5.04 mg / m³ (4h)

Hexane 110-54-3

LD50 - oral rat > 28710 mg / kg

LD50 - cutaneous rabbit > 2000 mg / kg

LC50 - rat inhalation of 32 mg / m³ (4 hours)

Aromatic hydrocarbons 108-88-3

LD50 - oral rat > 12124 mg / kg

LD50 - cutaneous rabbit > 2000 mg / kg

LC50 - inhalation rat 49 mg / m³ (4 hours)

Alcohols 68439-46-3

LD50 - oral rat 1378 mg / kg

DL50- dermal rabbit > 2 mg / kg

LOCAL ACTION:

Routes of exposure:

Inhalation, ingestion, skin contact, eye contact.

Contact with skin:

Irritating to the skin.

Repeated exposure may cause skin dryness or cracking.

Contact with eyes:

Irritating to eyes.

Respiratory duct:

Harmful by inhalation; poses a serious threat to health in case of prolonged exposure.

Vapours may cause drowsiness and dizziness.

Shortness of breath with a cough.

Ingestion:

Harmful may cause lung damage if swallowed.

In more acute cases, loss of consciousness.

Health effects of acute exposure:

This causes human disease organ of digestion.

Health effects of chronic exposure:

The consequence is respiratory tract infection, eyes conjunctivitis, headache, symptoms from the nervous system.

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Complications:

Possible risk of impaired fertility

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

There are no consequences

SECTION 12: Ecologic information

12.1. Toxicity

Acute toxicity for aquatic organisms:

Petroleum product CAS 64741-41-9

LL50 (Pimephales promelas) = 8.2 mg / l / 96 hours.

NOELR (Pimephales promelas) = 2.6 mg / l / 14days

EL50 (Daphnia magna) = 4.5 mg / l / 48 h.

NOELR (Daphnia magna) = 2.6 mg / l / 21 days

EL50 (Pseudokirchneriella subcapitata) = 3,1mg / L / 72 hours.

LL50 (Tetrahymena pyriformis) = 15.41 mg / L / 72 hours.

Hexane CAS 110-54-3

LC50 (Pimephales promelas) = 2.5 mg / l / 96 hours.

EC50 (Daphnia magna) = 2.1 mg / l / 48 h.

LC50 - fish (Carassius auratus) 4 mg / l (24h)

LC50 - fish (Leuciscus idus), approx. 220-270 mg / l

LC50 - invertebrates (Daphnia magna) > 10 mg / l (24h)

Aromatic hydrocarbons CAS 108-88-3

LC50 (Pimephales promelas) = 70 mg / l / 48 h.

EC50 (Daphnia magna) = 11.5 mg / l / 48 h.

IL50 - algae (Selenastrum capricornutum) = 12 mg / l (72h)

12.2. Persistence and degradability

No data.

12.3. Bioaccumulative potential

The mixture does not bioaccumulate.

12.4. Mobility in soil

Slightly soluble in water.

12.5. Results of PBT and vPvB assesment

No data.

12.6. Other adverse effects

No data.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Thermal incineration in installations or devices located on land.

Dispose of used packaging to companies authorized to their processing.

Empty packaging completely.

SECTION 14: Transport information

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	ADR/RID 1993	IMGD 1993	IATA 1993
14.1. UN number (UN number)			
14.2. UN proper shipping name	FLAMMABLE LIQUID N.O.S.		
14.3. Transport hazard class (es)	3	3	3
Classification code	F1	F1	F1
Warning label No. 3			
14.4. Packing group	II	II	II
14.5. Environmental hazardous			
14.6. Special precautions for users	Special provision 640D		
14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code:			
Hazard identification number	33		
Warning sticker	Nr 3		
Packing group	II		

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture Safety Data Sheet has been prepared on the basis of:

- Regulation (EC) No 1907/2006 of 18.12.2006 concerning the Registration, Evaluation, Authorisation and
- Restriction of Chemicals (REACH), establishing the European Chemicals Agency, amending Directive 1999/45 / EC and repealing Council Regulation (EEC) No 793/93 and Regulation of Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769 / EEC and Directive 91/155 / EEC, 93/67 / EEC, 93/105 / EC and 2000/21 / EC.
- Regulation (EC) No 1272/2008 of 16.12.2008 on classification, labeling and packaging of substances and mixtures, amending and repealing Directive 67/548 / EEC and 1999/45 / EC, and amending Regulation (EC) No 1907/2006. [ATP1; ATP2; ATP3, ATP4)
- Commission Regulation (EU) No 453/2010 of 20.05.2010; of 20 May 2010, amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration Evaluation, Authorisation and Restriction of Chemicals (REACH)
- Act on chemical substances and mixtures of 25.02.2011 (Journal of Laws 63 item 322).
- Regulation of the Minister of Health of 20.04.2012. on labeling of packaging for hazardous substances and hazardous mixtures and some mixtures (Journal of Laws of 25.04.2012, item. 445), as amended.
- Regulation of the Minister of Health of 10.08.2012 on the criteria and classification of chemical substances
- and mixtures thereof; (Journal of Laws 2012, item 1018 as amended).
- Regulation of the Minister of Labour and Social Welfare of 06.06.2014 on top permissible concentration and intensity of harmful factors in the work environment. (Journal of Laws 2014, item 817).
- The Law of 14.12.2012 on waste, (Journal of Laws of 2013, item 21).
- Minister for the Environment of 9 December 2014 on waste (Journal of Laws 2014, item 1923).
- The classification of dangerous goods according to the European Agreement concerning the international

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- the carriage of dangerous goods by road (ADR).
- Minister of Labour and Social Policy of 26.09.1997 on general provisions of occupational health and safety. (Journal of Laws of 2003, No. 169, item. 1650), as amended.
- Regulation of the Minister of Health of 30.12.2004 in the matter of health and safety relating the presence of chemical agents at work. (Journal of Laws of 2005, No. 11, item. 86) as amended.
- Regulation of the Minister of Economy of 21.12.2005 on essential requirements for personal protective equipment. (Journal of Laws, No. 259, item. 2173).

15.2. Chemical Safety Assessment

Chemical safety assessment has not been made for this substances.

SECTION 16: Other information

Meaning of H-statements from section 3

H225 Highly flammable liquid and vapour

H301 Toxic if swallowed

H304 May be fatal if swallowed and enters airways.

H311 Toxic in contact with skin

H315 Causes skin irritation.

H319 Causes eyes irritation.

H331 Toxic if inhaled

H336 May cause drowsiness or dizziness

H340 May cause genetic defects

H350 May cause cancer

H361 Suspected of damaging fertility or the unborn child

H361d Suspected of damaging the unborn child

H361f It works not Reproductive toxicity - Fertility

H370 Cause damage to organs

H411 Toxic to aquatic life with long lasting effects.

Flam. Liq. 2 Flammable liquid, category 2 hazard.

Asp. Tox. 1 Aspiration hazard, hazard category 1.

Acute Tox. 3 Acute toxicity (oral), hazard category 3.

Acute Tox. 3 Acute toxicity (dermal), hazard category 3.

Acute Tox. 3 Acute toxicity (inhalation), hazard category 3.

Acute Tox. 4. Acute toxicity (oral), hazard category 4.

Skin Irrit. 2 Skin irritation, hazard category 2.

Eye Irrit. 2 Eye irritation, hazard category 2.

STOT SE 3 Specific target organ toxicity - single exposure, hazard category 3
narcotic effect.

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

Muta 1B Germ cell mutagenicity, hazard category 1B

Carc. 1B carcinogenic hazard category 1B

Aquatic Chronic 2 Hazardous to the aquatic environment - Chronic, category 2

Recommended restrictions on use:

The product is intended only for professional use

Training Tips

Read the safety data sheet before use

Abbreviations and acronyms used in the SDS

CAS (Chemical Abstracts Service)

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EC number means one of the three numbers listed below:

- the number assigned to a substance in the European Inventory of Existing Commercial Chemical Substances (EINECS)
- number assigned to a substance in the European List of Notified Chemical Substances (Elincs)
- number in the list of the chemicals listed in the publication of the European Commission "No-longer polymers"

MPC - maximum permissible concentration of harmful substances in the workplace

STEL - maximum permissible instantaneous concentration

ACC - Acceptable Ceiling Concentration

UN number - Material identification number (UN number, a UN number)

ADR - European Agreement concerning the international carriage of dangerous goods by road,

IMO - the International Maritime Organization

RID - regulations concerning the International Carriage of Dangerous Goods

ADN - European agreement in the spring International Carriage of Dangerous Goods by Inland Waterways

IMDG - International Maritime Dangerous Goods Code

ICAO - Technical Instructions for the Safe Transport of Dangerous Goods by Air

ADR - European Agreement concerning the international carriage of dangerous goods by road,

IMO - the International Maritime Organization

RID - regulations concerning the International Carriage of Dangerous Goods

ADN - European agreement in the spring International Carriage of Dangerous Goods by Inland Waterways

IMDG - International Maritime Dangerous Goods Code

ICAO - Technical Instructions for the Safe Transport of Dangerous Goods by Air

Other information:

The product described in the safety data sheet should be stored and used in accordance with good industrial practice and in compliance with all regulations.

Information included in the safety data sheet is based on current knowledge, and it is intended to describe the product from the point of view of legislation in the field of safety, health and environmental protection. It should not be construed as guarantee specific properties.

You are responsible for creating conditions for the safe use of the product and assume responsibility for the consequences resulting from improper use of this product.

Version 1 CLP