

The safety data sheet complies with Commission Regulation (EU) 878/2020 of 18 June 2020 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH).

# ŘEZOŇ LT

Creation date 15th January 2013 Revision date 12th December 2022

Version

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

**1.1. Product identifier** ŘEZOŇ LT Substance / mixture mixture

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

#### Mixture's intended use

Cutting oil for stainless steel and aluminum; metalworking oil

The use descriptors

IS Use at industrial sites

PW Widespread use by professional workers

#### Mixture uses advised against

The product should not be used in ways other then those referred in Section 1.

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

Supplier

Name or trade name NOVATO

Address Uralská 770/6, Praha, 160 00

Czech Republic

Identification number (CRN)62910370VAT Reg NoCZ62910370Phone+420 233 339 688E-mailpetr.johanides@novato.cz

Web address www.novato.cz

Competent person responsible for the safety data sheet

Name ABITEC

E-mail info@abitec.cz Emergency telephone number

1.4. Emergency telephone number

European emergency number: 112

# **SECTION 2: Hazards identification**

# 2.1. Classification of the substance or mixture

# Classification of the mixture in accordance with Regulation (EC) No 1272/2008

The mixture is classified as dangerous.

Lact., H362

Aquatic Acute 1, H400 Aquatic Chronic 1, H410

# Most serious adverse physico-chemical effects

Thermal decomposition at high temperatures may release hazardous decomposition products. Avoid inhalation of decomposition products.

### Most serious adverse effects on human health and the environment

Do not inhale the spray mixture. Skin contact may lead to an allergic reaction, with prolonged exposure to dermatitis. In sensitive individuals, it may cause mild eye irritation (tearing, burning, itching). The mixture is dangerous for infants through breast milk. Pregnant and lactating women should avoid contact with the mixture. Prolonged or repeated exposure may cause skin dryness or cracking. Nausea may occur if the liquid is ingested. Secure against confusion with beverages and food. The mixture is classified as very dangerous for the environment. Follow the instructions for use to avoid risks to humans and the environment. Do not allow to enter soil, ground or surface water or drains. The full text of the classifications and H-phrases is displayed in section 16 of this safety data sheet.



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# 2.2. Label elements

# **Hazard pictogram**



# Signal word

Warning

#### **Hazard statements**

H362 May cause harm to breast-fed children.

H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects.

**Precautionary statements** 

P273 Avoid release to the environment.

P280 Wear protective gloves/protective clothing/eye protection.

P302+P352 IF ON SKIN: Wash with plenty of water and soap.
P308+P313 IF exposed or concerned: Get medical advice/attention.

Supplemental information

EUH066 Repeated exposure may cause skin dryness or cracking.

#### 2.3. Other hazards

Neither the mixture nor its components meet the criteria for persistent, bioaccumulative and toxic or highly persistent and highly bioaccumulative substances in accordance with Annex XIII, nor have they been included in the list drawn up in accordance with Article 59, paragraph 1, due to the content of endocrine disruptors , nor has it been determined as a substance with endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605.

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

### 3.2. Mixtures

### **Chemical characterization**

Mixture.

# Mixture contains these hazardous substances and substances with the highest permissible concentration in the working environment

Identification numbers	Substance name	Content in % weight	Classification according to Regulation (EC) No 1272/2008	Note
Index: 602-095-00-X CAS: 85535-85-9 EC: 287-477-0 Registration number: 01-2119519269-33	alkanes, C14-17, chloro		Lact., H362 Aquatic Acute 1, H400 Aquatic Chronic 1, H410 EUH066	

Full text of all classifications and hazard statements is given in the section 16.

#### **SECTION 4: First aid measures**

# 4.1. Description of first aid measures

If you feel any health problems or if in doubt, seek medical advice and provide information from this Safety Data Sheet. In the case of life-threatening conditions, resuscitate. Keep the unconscious person in a stabilized position and do not give anything by mouth. Avoid cool. Do not induce vomiting. For spontaneous vomiting, avoid inhalation of vomit.

### If inhaled

If inhaled, stop exposure, flush the oral cavity with water, breathe fresh air. If respiratory tract irritation develops, seek medical attention.



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#### If on skin

Wipe off the product, wash thoroughly with lukewarm soapy water and treat with a regenerating cream. If clothing is contaminated, remove clothing. Seek medical attention if signs of irritation or allergic reactions occur.

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#### If in eyes

If it has affected contact lenses, remove them if possible. Open wide eyes rinse out of the inner corner of the eye toward the outside of a large amount of clean, lukewarm water, especially the area under the lids. Rinse for at least 15 minutes and seek medical attention.

#### If swallowed

Do not induce vomiting. Rinse your mouth with water, drink a glass of water. Seek medical advice and submit this Safety Data Sheet.

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

#### If inhaled

not available

#### If on skin

May cause an allergic skin reaction. Prolonged or repeated exposure may cause skin dryness or cracking or dermatitis.

#### If in eyes

Direct eye contact may slightly irritate the eyes (tearing, burning, or inflammation of conjunctivae).

#### If swallowed

The mixture is dangerous for infants through breast milk. Pregnant and lactating women should avoid contact with the mixture.

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

No immediate medical attention is necessary if the mixture is used normally and adhered to in the instructions for use. Special treatment is required when symptoms reach a certain degree, as indicated in paragraphs 4.1 and 4.2; is symtomatic.

# More information

The mixture is dangerous for infants through breast milk. Pregnant and lactating women should avoid contact with the mixture.

# **SECTION 5: Firefighting measures**

#### 5.1. Extinguishing media

# Suitable extinguishing media

Mixture is not flammable, fire extinguisher adapted to fire in the area (multipurpose powders, foam, water, water mist, CO2)..

# Unsuitable extinguishing media

Full stream of water.

# 5.2. Special hazards arising from the substance or mixture

Thermal decomposition at high temperatures or fire may produce hazardous decomposition products. Do not inhale thermal decomposition products.

#### 5.3. Advice for firefighters

Protective equipment adapt the nature of the fire. Insulating breathing apparatus, chemical protective suit. Keep containers away from fire if you can do so without risk. Cool containers exposed to fire with water spray or foam. Combustion residues as well as water after intervention should be disposed of as hazardous waste.

### **SECTION 6: Accidental release measures**

# 6.1. Personal precautions, protective equipment and emergency procedures

Prevent unauthorized entry, mark, secure and insulate spill area. Danger of slipping on spilled mixtures. Use personal protective equipment. Avoid contact with skin and eyes - use personal protective equipment. Avoid contact with heat sources.

# 6.2. Environmental precautions

Secure the leak area, catch the leaking mixture. Prevent leakage into drains, soil, surface and ground water by fencing off the leak with a suitable sorbent or by creating catch lagoons. In case of a large liquid leak, monitor the NPK concentrations resp. TLV and inform the relevant government authorities and the flow or sewerage manager.



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

In the event of a large spill, stop the spill and drain the mixture. In case of a small leak, cover with a sorbent (universal sorbent, sand, diatomaceous earth, sawdust, soil, vermiculite, etc.), store the used sorbent in a closable waste container, label and dispose of as hazardous waste. Wash contaminated area.

#### 6.4. Reference to other sections

See the Section 7, 8 and 13.

# **SECTION 7: Handling and storage**

#### 7.1. Precautions for safe handling

Avoid contact with heat sources. Protect against direct sunlight. Protect eyes and skin, avoid inhalation of mist, use personal protective equipment according to sec. 8. The work area should be equipped with a source of drinking water. Keep container with mixture closed and secured against tipping over. Observe the applicable health and safety legislation. Follow the principles of hygiene when working with chemicals, do not eat, drink or smoke while working. Wash hands with warm soap and water before breaks, meals and after work.

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

Store tightly closed with the cap facing upwards in the original packaging in a cool and dry environment. Store away from heat sources, protect from direct sunlight, do not smoke. Store away from food, drink and feed. Store away from strong acids and oxidizing agents.

Content	Packaging type	Material of package
11	bottle, canister	HDPE
51	bottle, canister	HDPE
25 I	bottle, canister	HDPE

Storage temperature

max. 40 °C

# The specific requirements or rules relating to the substance/mixture

Recommended material of packaging and tanks: steel, stainless steel, HDPE, HDPP, Teflon. Unsuitable material for tanks: aluminum.

### 7.3. Specific end use(s)

not available

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

# 8.1. Control parameters

#### DNEL

alkanes, C14-17, chloro					
Workers / consumers	Route of exposure	Value	Effect	Value determination	Source
Workers	Inhalation	6.7 mg/m <sup>3</sup>	Chronic effects systemic		
Workers	Dermal	47.9 mg/kg/24h	Chronic effects systemic		

# **PNEC**

alkanes, C14-17, chloro					
Route of exposure	Value	Value determination	Source		
Microorganisms in sewage treatment	80 mg/l				
Freshwater environment	1 μg/l				
Marine water	0.2 μg/l				
Soil (agricultural)	11.9 mg/kg				



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#### Other information of limit values

The mixture does not contain components with set national exposure limits according to Annex 2, Government Regulation 361/2007 Coll., As amended, or according to the European Union for the working environment. Ensure compliance with Government Regulation 361/2007 Coll., Which lays down the conditions for health protection at work, as amended, and fulfill the obligations contained therein.

# 8.2. Exposure controls

Ensure sufficient ventilation or extraction of the work area. Avoid contact with skin and eyes, do not breathe mist. Avoid exposure. Observe hygienic measures when working with chemicals. The work area should be equipped with a source of drinking water. Do not eat, drink or smoke while working. Wash hands with lukewarm soap and water before breaks, meals and after work.

#### Eye/face protection

Protective goggles or face shield (based on the nature of the work performed).

#### Skin protection

Protective gloves (eg: nitrile, rubber material, etc.) - when choosing, follow the manufacturer's recommendations, the material must be impermeable and resistant to the components of the mixture. Before first use, test at a specific workplace. Replace damaged gloves. Protective work clothing. Wash affected skin, take off contaminated clothing, wash before reuse.

### **Respiratory protection**

Not needed. In case of insufficient ventilation or formation of fog, use a mask with a filter against organic vapors and aerosols, type A. In case of accident, wear self-contained breathing apparatus.

#### Thermal hazard

Not Specified. Avoid heating the mixture and exposure to elevated temperatures.

#### **Environmental exposure controls**

The mixture is very dangerous for the environment. Prevent leakage into drains, soil, surface and ground water by fencing off the leak with a suitable sorbent or by creating catch lagoons.

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

### 9.1. Information on basic physical and chemical properties

Physical state liquid Colour red

Odour characteristic
Melting point/freezing point data not available

Boiling point or initial boiling point and boiling range 200 °C

Flammability The product is non-flammable.

Lower and upper explosion limit data not available

Flash point >210 °C

Auto-ignition temperature data not available

Decomposition temperature 200 °C

Decomposition temperature 200 °C

pH data not available Kinematic viscosity 115 mm²/s at 40 °C

Solubility in water immiscible
Partition coefficient n-octanol/water (log value) data not available

Vapour pressure data not available

Density and/or relative density

Density data not available
Relative density 1120 kg / m³ at 25 ° C
Relative vapour density data not available
Particle characteristics data not available

# 9.2. Other information

Appearance liquid

VOC content: < 0.2%

Ignition temperature: > 210 °C



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### **SECTION 10: Stability and reactivity**

#### 10.1. Reactivity

If the recommended method of use is followed, there is no risk of dangerous reactions.

#### 10.2. Chemical stability

The mixture is stable under normal environmental conditions, storage and handling.

### 10.3. Possibility of hazardous reactions

Upon prolonged heating above 70 ° C or briefly above 200 ° C, the mixture decomposes to form hydrogen chloride.

# 10.4. Conditions to avoid

Contact with heat sources, high temperatures.

### 10.5. Incompatible materials

Strong oxidizing agents, strong acids and bases.

#### 10.6. Hazardous decomposition products

Under normal conditions, the mixture is not decomposed. Incomplete combustion or thermal decomposition produces toxic products of combustion (COx, NOx, hydrocarbons, etc.).

#### **SECTION 11: Toxicological information**

### 11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

The mixture meets the criteria for classification according to EC Regulation No. 1272/2008. The mixture is classified as dangerous in the sense of EC Regulation No. 1272/2008, as amended.

#### **Acute toxicity**

The mixture is not classified as acutely toxic by any way of exposure.

alkanes, C14-17, chloro					
Route of exposure	Parameter	Value	Exposure time	Species	Sex
Oral	LD <sub>50</sub>	>2000 mg/kg		Rat	
Dermal	LC50	4000 mg/kg		Rat	

### Skin corrosion/irritation

Irritating to the skin. Long-term skin contact can cause dry skin and crack up to dermatitis.

# Serious eye damage/irritation

Based on available data the classification criteria are not met.

# Respiratory or skin sensitisation

Based on available data, the classification criteria are not met. The mixture contains a component classified as skin sensitizing in an amount below the specified concentration limit. May cause an allergic reaction.

# Germ cell mutagenicity

Based on available data the classification criteria are not met.

#### Carcinogenicity

Based on available data the classification criteria are not met.

# Reproductive toxicity

The mixture can harm a breast-fed baby through breast milk.

# Toxicity for specific target organ - single exposure

Based on available data the classification criteria are not met.

#### Toxicity for specific target organ - repeated exposure

Based on available data the classification criteria are not met.



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#### Aspiration hazard

Based on available data the classification criteria are not met.

# 11.2. Information on other hazards

It does not contain substances causing disruption of the endocrine system. The mixture is dangerous for infants through breast milk. Pregnant and lactating women should avoid contact with the mixture. Prolonged or repeated exposure may lead to skin dryness and cracking. Ingestion of the liquid may cause nausea.

# **SECTION 12: Ecological information**

# 12.1. Toxicity

The ecotoxic effects of the mixture itself have not been assessed.

#### **Acute toxicity**

alkanes, C14-17, chloro					
Parameter	Value	Exposure time	Species	Environment	
LC50	>500 mg/l	48 hours	Fish (Leuciscus idus)		
EC50	300 µg/l	48 hours	Invertebrates (Daphnia magna)		
NOEC	0.01 mg/l		Invertebrates (Daphnia magna)		

#### More information

The mixture is dangerous. Prevent liquid from entering drains and groundwater or surface water.

# 12.2. Persistence and degradability

not available

# 12.3. Bioaccumulative potential

Not determined, bioaccumulation is unlikely.

### 12.4. Mobility in soil

Not available.

### 12.5. Results of PBT and vPvB assessment

The mixture does not contain substances from the PBT and vPvB groups according to Annex XIII of the REACH Regulation, as amended. Has not been done.

### 12.6. Endocrine disrupting properties

Substances with these properties in accordance with the criteria set out in Commission Regulation (EU) 2017/2100 or (EU) 2018/605 are not included.

#### 12.7. Other adverse effects

Water hazard class (WGK): 3 Very hazardous for the aquatic environment. The mixture is very dangerous for the environment, even small amounts can contaminate drinking water sources. The mixture must not be allowed to enter soil, ground or surface water or drains. Observe environmental precautions.

# **SECTION 13: Disposal considerations**

#### 13.1. Waste treatment methods

Appropriate methods of disposal of the mixture: Dispose of as hazardous waste, dispose of it to the authorized person or to the hazardous waste collection yard. Dispose of residues of the mixture and the packaging in accordance with local waste disposal regulations. Suitable methods for disposal of contaminated packaging: Dispose of as hazardous waste according to local regulations. Uncontaminated packaging can be recycled.

### Waste management legislation

Act No. 477/2001 Coll., On Packaging, as amended. Directive 2008/98/EC of the European Parliament and of the Council of 19 November 2008 on waste, as amended.

# Waste type code

12 01 06\* mineral-based machining oils containing halogens (except emulsions and solutions)



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#### Packaging waste type code

15 01 10\* packaging containing residues of or contaminated by hazardous substances

(\*) - Hazardous waste according to Directive 2008/98/EC on hazardous waste

# **SECTION 14: Transport information**

# 14.1. UN number or ID number

UN 3082

# 14.2. UN proper shipping name

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.

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

9 Miscellaneous dangerous substances and articles

#### 14.4. Packing group

Ш

#### 14.5. Environmental hazards

Yes.

#### 14.6. Special precautions for user

Transport in packages that match the properties of the mixture. Observe the prescribed marking for cargo.

# 14.7. Maritime transport in bulk according to IMO instruments

Can not be used.

#### **Additional information**

Hazard identification No.

**UN** number

Classification code

Safety signs



M6

9+hazardous for the environment



# Road transport - ADR

Special provisions 274, 335, 375, 601

Limited quantities 5 L Excepted quantities E1

**Packaging** 

Packing instructions P001, IBC03, LP01, R001

Special packing provisions PP1
Mixed packing provisions MP19

Portable tanks and bulk containers

Guidelines T4

Special provisions TP1, TP29

**ADR tank** 

Tank code LGBV Vehicles for tank carriage AT Transport category 3 Tunnel restriction code (-)

Special provision for

packages V12 loading, unloading and handling CV13



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Railway transport - RID

Special provisions 274, 335, 375, 601

Excepted quantities E1

**Packaging** 

Packing instructions P001, IBC03, LP01, R001

Special packing provisions PP1
Mixed packing provisions MP19

Portable tanks and bulk containers

Guidelines T4

Special provisions TP1, TP29

**RID Tanks** 

Tank code LGBV Transport category 0

Special provision for

packages W12 loading, unloading and handling CW13

Air transport - ICAO/IATA

Packaging instructions for limited amount Y964
Packaging instructions passenger 964
Cargo packaging instructions 964

Marine transport - IMDG

EmS (emergency plan) F-A, S-F
Marine pollutant Yes

SECTION 15: Regulatory information

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

Parliament and of the Council of 18th December 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 Commission Regulation (EC) No. 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, as amended. COMMISSION REGULATION (EU) 2020/878 amending Annex II to Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH). Commission Delegated Regulation (EU) 2021/849 of 11 March 2021 amending, for the purposes of adapting to technical and scientific progress, Part 3 of Annex VI to Regulation (EC) No 1272/2008 of the European Parliament and of the Council on classification, labeling and packaging of substances and mixtures. REGULATION (EC) No 648/2004 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 31 March 2004 on detergents, as ammended.Commission Regulation (EU) No 2015/830 of 28 May 2015 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorization and Restriction of Chemicals.

# National regulations (Germany)

WGK Water hazard class: WGK 3 - highly hazardous to water

#### 15.2. Chemical safety assessment

No chemical hazard assessment was performed for this mixture.

### More information

This information only indicates the basic regulations listed in this Safety Data Sheet. Please note the possible existence of additional regulations supplementing these Regulations. We refer to all applicable national, international and local regulations and regulations.

### **SECTION 16: Other information**

# A list of standard risk phrases used in the safety data sheet

H362 May cause harm to breast-fed children.

H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects.



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#### Guidelines for safe handling used in the safety data sheet

P273 Avoid release to the environment.

P280 Wear protective gloves/protective clothing/eye protection.

P302+P352 IF ON SKIN: Wash with plenty of water and soap.
P308+P313 IF exposed or concerned: Get medical advice/attention.

A list of additional standard phrases used in the safety data sheet

EUH066 Repeated exposure may cause skin dryness or cracking.

#### Other important information about human health protection

The user is responsible for adherence to all related health protection regulations.

#### Key to abbreviations and acronyms used in the safety data sheet

ADR European agreement concerning the international carriage of dangerous goods by

road

BCF Bioconcentration Factor
CAS Chemical Abstracts Service

CLP Regulation (EC) No 1272/2008 on classification, labelling and packaging of

substance and mixtures

EC Identification code for each substance listed in EINECS

EC50 Concentration of a substance when it is affected 50% of the population EINECS European Inventory of Existing Commercial Chemical Substances

EmS Emergency plan EU European Union

EuPCS European Product Categorisation System
IATA International Air Transport Association

IBC International Code For The Construction And Equipment of Ships Carrying

**Dangerous Chemicals** 

ICAO International Civil Aviation Organization
IMDG International Maritime Dangerous Goods
IMO International Maritime Organization

INCI International Nomenclature of Cosmetic Ingredients
ISO International Organization for Standardization
IUPAC International Union of Pure and Applied Chemistry

LC50 Lethal concentration of a substance in which it can be expected death of 50% of the

population

LD50 Lethal dose of a substance in which it can be expected death of 50% of the

population

log KowOctanol-water partition coefficientNOECNo observed effect concentrationNPKMaximum admissible concentrationOELOccupational Exposure Limits

PBT Persistent, Bioaccumulative and Toxic

PEL Permissible Exposure Limit

ppm Parts per million

REACH Registration, Evaluation, Authorisation and Restriction of Chemicals

RID Agreement on the transport of dangerous goods by rail

UN Four-figure identification number of the substance or article taken from the UN

Model Regulations

UVCB Substances of unknown or variable composition, complex reaction products or

biological materials

VOC Volatile organic compounds

vPvB Very Persistent and very Bioaccumulative

Aquatic Acute Hazardous to the aquatic environment

Aquatic Chronic Hazardous to the aquatic environment (chronic)

Lact. Lactation



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#### Training guidelines

According to § 103 and § 104 of Act No. 262/2006 Coll., The Labor Code, as amended.

#### **Recommended restrictions of use**

The mixture should not be used for any purpose other than that for which it is intended (see point 1.2). Because the specific conditions of use of the substance are beyond the control of the supplier, it is the responsibility of the user to adapt the prescribed warnings to local laws and regulations. Safety information describes the product in terms of safety and can not be considered as technical product information.

# Information about data sources used to compile the Safety Data Sheet

Manufacturer data and toxicological databases.

#### The changes (which information has been added, deleted or modified)

Adaptation of BL updated Annex II of the REACH Regulation as amended by Commission Regulation (EU) 2020/878.

#### **Statement**

The safety data sheet contains the data needed to ensure safety and health at work and environmental protection. These data correspond to the current state of knowledge and experience and are in accordance with applicable legal regulations. They can not be considered as a guarantee of the suitability and usability of the product for a specific application. The user is responsible for the treatment under existing laws and regulations.

