Technicolla

Revision: 2012-03-31 Update: 2017-02-16

# CIA-GEL + Primer

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

1.1. Product identifier

Trade name CIA-GEL + Primer

Article number C-086

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

identified uses: Cyanoacrylate adhesive - gel bonds very strongly within several seconds: glass, metals, wood,

rubber, stone and most plastics.

uses advised against: -

1.3. Details of the supplier of the safety data sheet

Manufacturer: NALMAT-Trzebinia

Marian Krzyworzeka ul. Kościuszki 88 32-540 Trzebinia tel. +48 32 612 10 10 fax. +48 32 612 10 66

www.technicqll.pl office@technicqll.pl

jakosc@technicqll.pl

1.4. Emergency telephone number:

+ 48 (032) 711 53 27 during normal office hours - Monday - Friday 6.00am - 2.00pm

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# 2. Hazards identification

# 2.1. Classification of the substance or mixture

Human health hazards: H315 – Causes skin irritation.

H319 – Causes serious eye irritation. H335 – May cause respiratory irritation.

Environmental hazards: - Physical and chemical hazards: -

2.2. Label elements

EUH202-Cyanoacrylate. Danger. Bonds skin and eyes in seconds. Keep out of the reach of

children.

Warning symbol:



## **WARNING**

H315 – Causes skin irritation. H319 – Causes serious eye irritation. H335 – May cause respiratory irritation.

P102 – Keep out of reach of children.

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

P302+P352 – IF ON SKIN: Wash with plenty of soap and water.

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P305+P351+P338 – IF IN EYES: Rinse cautiously with water for several minutes. Remove

contact lenses, if present and easy to do. Continue rinsing..

P332+P313- If skin irritation or rash occurs: Get medical advice/attention. P337+ P313 – If eye irritation persists: Get medical advice/attention.

#### 2.3. Other hazards

PBT – lack of information concerning fulfilment of the criteria in accordance with annex XIII of Reach Directive. vPvB - lack of information concerning fulfilment of the criteria in accordance with annex XIII of Reach Directive.

# 3. Composition/information on ingredients

#### 3.1. Substance: -

#### 3.2. Mixtures

Description	CAS	EC	REACH No	Content %	Classification
Ethyl 2-cyanoacrylate	7085-85-0	230-391-5	01-	90 ÷100	Eye Irrit. 2, H319
			2119527766-		STOT SE.3, H335
			29-0000		Skin Irrit. 2, H315

# 4. First aid measures

4.1 Description of first aid measures

After inhalation:

After eye contact: In case of contact with eyes, immediately flush them with plenty of water for at least 15 min.

Eyelids should be held away from eyeballs to ensure thorough rinsing. If irritation persists, contact

a doctor.

After skin contact: Before washing with water and soup, remove the adhesive with a dry cloth or a paper towel. Seek

medical advice if irritating develops. Bonded fingers should be carefully separated in a stream of

warm water. Do not separated cured adhesive from skin using force.

Remove victim to fresh air. In case of difficulty in breathing, seek medical advice. In case of unconsciousness the victim should be transported in side position.

After swallowing:

Do not eat! Rinse mouth several times with water. Consult a doctor showing this MSDS. Do not

induce vomiting.

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

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

The decision of the method of further procedure should be made by a doctor after exact assessment of victim's conditions.

# 5. Firefighting measures

## 5.1. Extinguishing media

Suitable extinguishing media: CO2, powder, foams resistant to alcohols, atomized water jet.

Unsuitable extinguishing media: high volume water jet.

# 5.2. Special hazards arising from the substance or mixture

May be produced irritating vapours of organic substances.

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#### 5.3. Advice for firefighters

Special protective equipment: protective clothes and self-contained breathing apparatus.

# 6. Accidental release measures

# 6.1. Personal precautions, protective equipment and emergency procedures

For persons not belonging to the staff removing the results of accident: Limit access of outsiders to the accident area until cleaning operation is finished. Avoid pollution of eyes and skin. Ensure good ventilation.

#### 6.2. Environmental precautions:

Do not allow the product to reach sewage system, ground water. If possible, remove spillage. Protect sink basins.

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

Cover small quantities of the spilled product with incombustible, absorptive material e.g. sand, diatomite, take up and collect in a closed and suitable labelled containers.

#### 6.4. Reference to other sections

Information concerning safe holding – section / chapter 7.

Information concerning personal protective equipment - section / chapter 8.

Information concerning utilisation - section / chapter 13.

# 7. Handling and storage

# 7.1. Precautions for safe handling:

## Handling and storage:

Work in accordance with the principle of occupational health and safety. Work in well ventilated rooms. Avoid ignition sources, higher temperatures, hot surfaces and naked fire. Avoid contacts with skin and eyes. Do not swallow. Unused packages should be kept tightly closed.

# 7.2. Conditions for safe storage, including any incompatibilities

Store in cold, dry and well ventilated rooms in closed original containers at:  $-15^{\circ}$ C -  $+20^{\circ}$ C. Store away from food. Protect from sun rays. The lower temperatures of storage the higher life of the adhesive. Do not store near ignition sources. Do not smoke.

# 7.3. Specific end use(s)

-

# 8. Exposure controls/personal protection

The personal protection media should fulfil the requirements of instructions of the Cabinet of 21.12.2005 (Dz. U. No. 259, pos. 2173) Directive 89/686/WE (together with later changes). The employer is obliged to ensure measures of personal protection suitable for activities that are made and their cleaning and maintenance.

#### 8.1. Control parameters

Ingredients wit limit values that require monitoring at the work place.

Exposure control	NDS [mg/m <sup>3</sup> ]	NDSCH [mg/m <sup>3</sup> ]	
-	-	-	

# according to 830/2015/EC, 28.05.2015

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#### 8.2. Exposure controls

Observe the general rules of hygiene and safety. Ensure good ventilation in a work place. During work, do not eat, drink and smoke tobacco. Wash hands before breaks and at the end of work. Avoid contacts with eyes.

## Breathing equipment:

Avoid breathing vapours. In case of short tern contact with the mixture - the general ventilation of rooms. In case of prolonged and intensive contact - a device to protect inhalation system independent on the environmental air (breathing mask with an absorbent of vapours containing a suitable filter)

# Protection of hands:

Gloves must be made of material that has to be impermeable and resistant to the action of the preparation. This material has to be checked prior to its application. It is recommended that the gloves should be changed regularly and also when they have any symptoms of their wear, damage or changes appearance, colour, elasticity, form and so on.

#### Eve protection:

Protective glasses.

# Protection of body:

Working clothes.

# 9. Physical and chemical properties

# 9.1. Information on basic physical and chemical properties

Psychical state Colour colourless > 100°C **Boiling** point Ignition point > 81°C

Self-ignition point The product does not undergo self-ignition

Odour characteristic Solubility in water Insoluble Solubility in ketones and esters Dynamic viscosity at 25°C

# 9.2. Other information

Lack of additional tests.

# 10. Stability and reactivity

#### 10.1. Reactivity

No data.

# 10.2. Chemical stability

The product is stable if it is correctly stored and handled.

#### 10.3. Possibility of hazardous reactions

Reactions with oxidising agents.

Reactions with strong acids.

#### 10.4. Conditions to avoid

Avid naked fire, higher temperatures, hot surfaces. Low temperatures increase live of adhesive.

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#### 10.5. Incompatible materials

No data.

# 10.6. Hazardous decomposition products

No data.

# 11. Toxicological information

# 11.1. Information on toxicological effects

In skin contact Irritates skin. May cause an allergy reaction in contact with skin.

In eye contact Irritating.

After swallowing Irritates mucous membrane of oral cavity, throat and farther segments of ingestion system.

Sensitisation May cause an allergy reaction in contact with skin.

# 12. Ecological information

## 12.1. Toxicity

No data.

#### 12.2. Persistence and degradability

No data.

# 12.3. Bioaccumulative potential

Possesses potential to bioaccumulation.

# 12.4. Mobility in soil

No data.

# 12.5. Results of PBT and vPvB assessment

PBT Lack of information concerning fulfilment of criteria in accordance with Annex XIII of Reach Directive. vPvB Lack of information concerning fulfilment of criteria in accordance with Annex XIII of Reach Directive.

# 12.6. Other adverse effects

No data.

# 13. Disposal considerations

#### 13.1. Waste treatment methods

Do not allow to reach sewage system. Store in original packaging. Utilize in accordance with suitable regulations.

Waste code:

Waste adhesives and sealants containing organic solvents or other dangerous substations.
 Packaging containing residues of dangerous substations or contaminated with them.

# **EU Legal Instruments**

Directives of European Parliament and Council 2006/12/EC and 94/62/EC ,Directive of Council 91/689/EEC

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# 14. Transport information

#### 14.1. UN-Number:

The product does not create any threat in transport. It is not subject to RID/ADR regulations. It can be transported in any means of transport in hermetically closed packages.

Land transport ADR/RID and GGVSEB Class ADR/RID- GGVSEB

(international/state)

Sea transport IMDG/VSee: Class IMDG/VSee
Air transport ICAO – TI I IATA – DGR: Class ICAO/IATA

#### 14.2. Proper shipping name

Not applicable.

# 14.3. Transport hazard class(es)

Not applicable.

# 14.4. Packing group

Not applicable.

#### 14.5. Hazards to environment

Not applicable.

# 14.6. Special precautions for user

While handling the cargo, apply personal protection measures according to section 8.

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

# 15. Regulatory information

# 15.1. Legislation related to safety, health and environment protection specific for substance or mixture:

The regulation of European Parliament and Council (EC) no. 19o7/2006 of 18 December 2006 concerning the registration, evaluation, authorization and restriction of chemicals (REACH), for establishing the European Chemical Agency, changing the directive 1999 /45/EC and cancelling the regulation of

EEC) no.793/93 and the regulation of Committee(EC) no.1488/94, as well as the directive of council 76/769/EEC and the directives of Committee 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC,

The regulation of European Parliament and Council (EC) no.1272/2008 of 16 December 2008 concerning the classification, labelling and packing the substances and mixtures, changing and cancelling the directives 67/548/EEC and 1999/45/EC and changing the regulation (EC) no.1907/2006

The regulation of Committee (EC) no.790/2009 of 10 August 2009 adopting to the scientific and technological progress the regulation of European Parliament and Council (EC) no 1272/2008 of 16 December 2008 concerning the classification, labelling and packing the substances and mixtures

The regulation 453/2010/EU Council of 10.05.2010 changing the regulation no. 1907/2006/EU of European Parliament and Council concerning the registration, estimation, granting permissions and suitable limits in the range of chemicals ( REACH )

The directive of European Parliament and Council no.2006/12/EC of5 April 2006 concerning waste.

The directive of Council no. 91/689/EEC of 12 December 1991 concerning dangerous waste.

The directive of European Parliament and Council no 94/62/EU. of 20 December 1994 concerning packaging and packaging waste.

# 15.2. Estimation of chemical safety:

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# 16. Other information

Explanation of symbols in the 3 point of Safety Data Sheet:

H315 – Causes skin irritation H319 – Causes serious eye irritation H335 – May cause respiratory irritation

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

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

1.4. Product identifier

Trade name ADHESIVE FOR PP AND PE - **PRIMER** 

Article number X-935

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

identified uses Bonding PP and PE.

uses advised against -

1.6. Details of the supplier of the safety data sheet

Manufacturer NALMAT-Trzebinia

Marian Krzyworzeka ul. Kościuszki 88 32-540 Trzebinia tel. +48 32 612 10 10 fax. +48 32 612 10 66

www.technicqll.pl office@technicqll.pl

jakosc@technicqll.pl

1.4. Emergency telephone number:

+ 48 (032) 711 53 27 during normal office hours - Monday - Friday 6.00am - 2.00pm

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# 2. Hazards identification

# 2.4. Classification of the substance or mixture

Human health hazards: May be fatal if swallowed and enters airways. Causes skin irritation. May cause drowsiness or

dizziness.

Environmental hazards: Very toxic to aquatic life with long lasting effects

Physical and chemical hazards: Highly flammable liquid and vapour.

2.5. Label elements

Contains: n-heptane (EC: 205-563-8)

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Labelling according to

1272/2008/EC:

H225 – Highly flammable liquid and vapour.

H304 – May be fatal if swallowed and enters airways.

H315 – Causes skin irritation.

Warning symbol: H336 – May cause drowsiness or dizziness.

H410 – Very toxic to aquatic life with long lasting effects.

P102 – Keep out of reach of children.

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

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

P302+P352 – IF ON SKIN: Wash with plenty of soap and water.

P331 - Do NOT induce vomiting.

P501- Dispose of contents/container to hazardous Or special waste collection point.

#### 2.6. Other hazards

PBT - lack of information concerning fulfilment of the criteria in accordance with annex XIII of Reach Directive.

vPvB - lack of information concerning fulfilment of the criteria in accordance with annex XIII of Reach Directive.

# 3. Composition/information on ingredients

# 3.1. Substance:

# 3.2. Mixtures

Description	CAS	UE	REACH No	Content %	Classification
n-heptane	142-82-5	205-563-8	01- 2119457603-38- 0000	80 < 100	Flam. Liq. 2 , H225, Skin Irrit. 2 , H315 Asp. Tox. 1, H304, STOT SE, H336 Aquatic Acute 1, H400, Aquatic
					Chronic 1, H410

# 4.2 Description of first aid measures After eye contact After skin contact After inhalation After inhalation After swallowing After eye contact Rinse immediately with plenty of water at least 15 minutes.. Lift eyelids and rinse thoroughly underneath them. If irritation persists, contact a physician. Remove substance with a dry cloth or a paper towel before washing with water and soap. If irritation persist contact a physician. Bonded fingers should be separated carefully in a stream of lukewarm water. Do not use force removing the cured adhesive from your skin. Remove a victim from exposure place. In case of difficulties in breathing contact a physician. Ensure fresh air and rest. In case of unconsciousness the victim should be transported in side position. Rinse mouth with water several times. Contact a physician showing this safety data sheet.

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

Not available

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

The decision of the method of further procedure should be made by a doctor after exact assessment of victim's conditions.

# 5. Firefighting measures

# 5.4. Extinguishing media

Suitable extinguishing media: CO<sub>2</sub>, foam and powder, atomized stream of water.

Unsuitable extinguishing media: High volume water jet.

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

High flammable product.

#### 5.6. Advice for firefighters

Wear a device protecting inhalation system (self – contained breathing apparatus).

# 6. Accidental release measures

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

For people who do not belong to the staff removing the failure effects: reduce the access of unauthorised people to the failure area until completing the proper cleaning operations. Avoid skin and eye contamination. Provide adequate ventilation.

For people removing the failure effects: take care that the failure and its effects are to be removed only by trained staff. Wear protective chemical resistant clothing and shoes. Use protective glasses or mask protecting face against splashing. Do not breathe vapours of the product.

#### 6.6. Environmental precautions:

Do not allow the product to reach sewage system, ground water and surface water. Inform a suitable life saving service.

# 6.7. Methods and material for containment and cleaning up:

In case of small amount - cover up the spilled product with an absorptive material e. g. sand, or diatomaceous earth and collect as much as possible into a suitable properly labelled and closed container.

Caution: Absorbents saturated with the preparation also create fire hazard.

In case of big leakage - embank properly the place of leakage accumulation.

#### 6.8. Reference to other sections

Information concerning safe holding – section / chapter 7.

Information concerning personal protective equipment - section / chapter 8.

Information concerning utilisation - section / chapter 13.

# 7. Handling and storage

#### 7.4. Precautions for safe handling:

Work in accordance with the industrial safety and hygiene rules. Ensure a good ventilation in a work place. Avoid ignition sources, higher temperature, hot surface and open fire. Avoid contact with skin, eyes, do not swallow. Keep unused pickings in a tightly closed container.

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

Store in cold, dry and well ventilated rooms in closed original containers at temperatures -15°C - +20°C. Keep away from food. Protect from sun rays. The lower the temperature of storage the longer the durability of the adhesives. Do not store near ignition sources. Do not smoke.

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

Not available.

#### 8. Exposure controls/personal protection

The personal protection media should meet the requirements of the ordinance of Minister of economy and work of 21.12.2005 (journal of law. No. 259, section 2173) and Directive of 89/686/EC (together with later changes) The employer is obliged to ensure measures of personal protection suitable to activities that are made and fulfilling all quality requirements as well as their cleaning and maintenance.

#### 8.3. Control parameters

Components together with controlled permissible values depended on a place of employment:

N - heptane:

NDS 1200 mg/m<sup>3</sup> NDSCH 2000 mg/m<sup>3</sup>

#### 8.4. Exposure controls

Observe the general rules of hygiene and safety. Ensure good ventilation of a work place. During work do not eat and smoke tobacco. Wash hands before breaks and at the end of work. Avoid contacts with eyes and skin.

# **Breathing equipment:**

Avoid breathing of vapours. In case of short term contact with the mixture- ensure only general ventilation. In case of long lasting intensive contacts with the mixture- ensure a device to protection of inhalation system independent of the air of environment (a respiratory mask with absorber of vapours equipped with a suitable filter).

#### Protection of hands and body:

Gloves must be made of material that has to be impermeable and resistant to the action of the preparation. This material has to be checked prior to its application. It is recommended that the gloves should be changed regularly and also when they have any symptoms of their wear, damage or changes appearance, colour, elasticity, form and so on.

#### Eye protection:

Protective glasses.

# Control of environmental exposure:

Do not allow big amounts of the product to reach sewage system, ground water or soil.

# 9. Physical and chemical properties

# 9.3. Information on basic physical and chemical properties

Physical state Liquid
Colour Colourless
Odour Characteristic
Odour threshold no determined
pH value no determined
Melting freezing temperature no determined

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#### 9.4. Other information

Lack of additional tests.

# 10. Stability and reactivity

#### 10.1. Reactivity

Not available

# 10.2. Chemical stability

The product is stable if it is properly stored.

# 10.3. Possibility of hazardous reactions

Reactions with oxidising agents. Reactions with strong acids.

#### 10.4. Conditions to avoid

Avoid open fire, higher temperature, hot surfaces. Low temperatures increase life of the adhesive.

#### 10.5. Incompatible materials:

Not available.

# 10.6. Hazardous decomposition products:

Toxically vapours and fumes.

# 11. Toxicological information

# 11.1. Information on toxicological effects

Detailed research has not been carried out. The adhesive contains ethyl 2- cyanoacrylate, therefore it irritates eyes, inhalation system and skin.

on the skin: Irritates skin. Repeated exposition may cause drying or cracks of skin.

on the eye: Irritating

after swallowing: Acts harmfully., may damage lungs in case of swallowing, acts irritatating to mucous membrane

of oral cavity, throat and farther segments of digestive system.

sensitization: Vapours may produce feeling of sleeplessness and dizziness.

N – heptane: LC50 – 103 g/l/4h (rat, inhalation).

# 12. Ecological information

## 12.1. Toxicity

Acts harmfully for water organisms, may cause long lasting disadvantageous changes in water environment.

Fish: Leuciscus Idus melanotus – 1370 mg/l Fish: Leuciscus Idus melanotus – 3420 mg/l Algae: Scenedesmus quadricauda> 200 mg/l

# 12.2. Persistence and degradability

No data

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#### 12.3. Bioaccumulative potential

Does not have potential to bioaccumulation.

#### 12.4. Mobility in soil

May be easily absorbed by soil.

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

PBT Lack of information concerning fulfilment of criteria in accordance with Annex XIII of Reach Directive. vPvB Lack of information concerning fulfilment of criteria in accordance with Annex XIII of Reach Directive.

#### 12.6. Other adverse effects

No data

# 13. Disposal considerations

## 13.1. Waste treatment methods

Do not allow to reach sewage system. Store in original packaging. Utilize in accordance with suitable regulations.

Waste code:

Waste adhesives and sealants containing organic solvents or other dangerous substations.
 Packaging containing residues of dangerous substations or contaminated with them.

## Observe the regulations:

EU Legal Instruments: Directives of European Parliament and Council 2006/12/EC I 94/62/EC, Directive of Council: 91/689/EEC State legal instruments: journal of law. 2001, No. 62, section. 628 with later changes, journal of law 2001, No. 63, section 638 with later changes.

# 14. Transport information

#### 14.1. UN-Number

The product does not create any threat in transport. It is not subject to RID/ADR regulations. It can be transported in any means of transport in hermetically closed packages.

Land transport ADR/RID and GGVSEB Class ADR/RID- GGVSEB

(international/state)

Sea transport IMDG/VSee: Class IMDG/VSee

Air transport ICAO – TI I IATA – DGR: Class ICAO/IATA

#### 14.2. Proper shipping name

Transporting name: Adhesives containing liquid and flammable materials.

# 14.3. Transport hazard class(es)

ADR / RID Class: 3 Flammable liquid materials IMO Class: 3 Flammable liquid materials IATA: 3 Flammable liquid materials

## 14.4. Packing group

Packing group: II

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#### 14.5. Hazards to environment

Acts toxically for water organisms, may cause long lusting disadvantageous changes in water environment.

#### 14.6. Special precautions for user

Use personal protection measures according to point 8.

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

#### 15. Regulatory information

# 15.1. Legislation related to safety, health and environment protection specific for substance or mixture:

The regulation European Community No. 1907/2006 and the European Parliament and the Council of 18,12,2006 regarding granting permissions and applied restrictions in a range chemicals (REACH.) with later changes –

No: 279/2010 and establishment of the European Agency of Chemicals, changing EU Directive 1999/45/ EU and annulling the EEC regulation No. 793/93, and 1488/94 as well as EEC Directive 76/769/ EEC and Council 91/155/EEC 93/67/EEC, 93/105/EU, 2000/21/EU.

The Regulation 1272/2008/EU of European Parliament and Council of 16,12,2008 concerning classification, labelling and packing of substances and mixtures, changing and annulling Directives: 67/548/EEC and 1999/45/EU and changing the Regulation (EU) No. 1907/2006

The Regulation 790/2009/EU of the Council of 10,08,2009 adopting to the scientific and technological progress the regulations of The European Parliament and Council No. 1272/2008 of 16,12,2008 concerning the classification, labelling and packing the substances and mixtures.

The Regulation 453/2010/EU council of 10,05,2010 changing the regulation No: 1907/2006/EU European Parliament and Council concerning registration, estimation granting permissions and suitable limits in a range of chemicals(REACH).

The directive 2006/12/EU of European Parliament and Council of 05,04,2006 concerning waste.

The directive 91/689/ EEC Council of 12,12,1991 concerning dangerous waste.

The directive 94/62/EU of European Parliament and Council of 20.12.1994 concerning packing and packing waste.

The ordinance of Health Minister of 29,04,2010 concerning dangerous substances and preparations, whose packing is equipped with enclosure making it difficult to open by children and perceptible warning against danger by touch.

#### 15.2. Estimation of chemical safety:

Estimation of chemical safety has been carried out.

# 16. Other information

Explanation of symbols in the second point of Safety Data Sheet:

Flam. Liq. 2 - Highly, flammable liquid substance, Cat. 2

Skin Irrit. 2 - Irritating to skin - Cat. 2

Asp. Tox. 1 - Hazards caused by breathing, Cat. 1

STOT SE - Toxic to target organs

Aquatic Acute 1 - Produces hazards to water environment - acute toxicity - Cat. 1

H400- Acts toxically for water organisms

This information is based on our current level of knowledge and relates to the product in the state in which it is delivered. It is intended to describe our products from the point of view of safety requirements and is not intended to guarantee any particular properties.

# MSDS developed by NALMAT Trzebinia

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