SAFETY DATA SHEET

[In accordance with the criteria of Regulation No 1907/2006 (REACH) as amended]

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

1.1 Product identifier

CX – 80 PRESERVING AND REPAIRING LIQUID PRODUCT

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

Relevant identified uses: product for industrial use, for coating, corrosion inhibitor.

Uses advised against: not determined.

1.3 Details of the supplier of the safety data sheet

Manufacturer: **CX – 80 Polska**

Address: Chotów 7A, 63-460 Nowe Skalmierzyce, Poland

Telephone/Fax number: +48 62 762 46 07

E-mail address for a competent person responsible for SDS:

1.4 Emergency telephone number

112

Section 2: Hazards identification

2.1 Classification of the substance or mixture

Aerosol 1 H222-H229**, Asp. Tox. 1** H304*

Extremely flammable aerosol. Pressurised container: May burst if heated.

* product does not require labelling in terms of this hazard if it is placed on the market in aerosol containers.

2.2 Label elements

Hazard pictograms and signal words

DANGER

Names of hazardous substances placed on the label

None.

Hazard statements

H222 Extremely flammable aerosol.

H229 Pressurised container: May burst if heated.

Precautionary statements

P102 Keep out of reach of children.

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P211 Do not spray on an open flame or other ignition source.

P251 Do not pierce or burn, even after use.

P410+P412 Protect from sunlight. Do no expose to temperatures exceeding 50°C/ 122°F.

Additional information

EUH066 Repeated exposure may cause skin dryness or cracking.

2.3 Other hazards

Components do not meet the criteria for PBT or vPvB in accordance with Annex XIII of REACH Regulation.

Section 3: Composition/information on ingredients

3.1 Substances

Not applicable.

3.2 Mixtures

CAS: - List numer ECHA: 918-481-9 Index number:: - REACH number: 01-2119457273-39-XXXX	hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 2% aromatics Asp. Tox. 1 H304, EUH066	60%
CAS: 106-97-8 EINECS: 203-448-7 Index number: 601-004-00-0 REACH number: -	butane Flam. Gas 1 H220, Press. Gas H280	< 30%
CAS: 74-98-6 EINECS: 200-827-9 Index number: 601-003-00-5 REACH number: -	propane Flam. Gas 1 H220, Press. Gas H280	< 30%

Full text of each relevant H phrase is given in section 16 of SDS.

Section 4: First aid measures

4.1 Description of first aid measures

Skin contact: take off contaminated clothing. Wash out contaminated skin thoroughly with water and soap. Consult a doctor if disturbing symptoms appear.

Eye contact: consult an ophthalmologist if disturbing symptoms appear. Remove any contact lenses. Wash out with plenty of water for 10-15 min. Avoid powerful water stream – risk of cornea damage.

Ingestion: exposure by this route does not usually occur. However, do not induce vomiting if the product is ingested. Rinse mouth with water. Never give anything by mouth to an unconscious person. Consult a doctor if needed – show the container or label.

Inhalation: consult a doctor if disturbing symptoms appear. Remove the victims to fresh air, keep them warm and calm.

4.2 Most import ant symptoms and effects, both acute and delayed

Eye contact: redness, tearing, temporary irritation.

Skin contact: in case of a prolonged irritation – redness, skin dryness.

After inhalation: headaches and dizziness, fatigue, impaired attention, nausea, vomiting.

4.3 Indication of any immediate medical attention and special treatment needed

Physician makes a decision regarding further medical treatment after thoroughly examination of the injured.

Section 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media: water mist, extinguishing foam, extinguishing powder or CO_2.

Unsuitable extinguishing media: water jet – risk of the propagation of the flame.

5.2 Special hazards arising from the substance or mixture

May produce harmful gas containing carbon oxides if burning. Do not inhale combustion products, they can be dangerous for human health.

5.3 Advice for firefighters

Personal protection typical in case of fire. Do not stay in the fire zone without self-contained breathing apparatus and protective clothing resistant to chemicals.

Extremely flammable aerosol. In case of fire, cool endangered containers with water spray. Collect extinguishing water – do not allow it to contaminate surface and ground waters.

Section 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Limit the access for the outsiders into the breakdown area, until the suitable cleaning operations are completed. Use personal protective equipment. Avoid skin and eyes contamination. Ensure adequate ventilation. Prohibit smoking, using open fire and sparking tools. Do not breathe aerosol.

6.2 Environmental precautions

In case of release of large amounts of the product, it is necessary to take appropriate steps to prevent it from spreading into the environment. Notify relevant emergency services.

6.3 Methods and material for containment and cleaning up

Collect the unsealed containers mechanically. Collect the leaks with incombustible liquid-absorbing materials (eg. sand, earth, universal binding agents, silica, vermiculite etc.) and place it in labeled containers. Treat the collected material as waste. Clean and ventilate the contaminated area. Use only non-sparking tools and explosion-proof equipment.

6.4 Reference to other sections

Appropriate conduct with waste product – see section 13. Personal protective equipment – see section 8.

Section 7: Handling and storage

7.1 Precautions for safe handling

Handle in accordance with good occupational hygiene and safety practices. Avoid skin and eyes contamination. Do not breathe vapours and aerosols. Use only if the ventilation is adequate. Before break and after work wash hands carefully. Do not spray on hot and incandescent materials.

7.2 Conditions for safe storage, including any incompatibilities

Keep only in well-ventilated areas. Keep away from sources of heat and fire. Store in temperature: 5-35°C. Do not smoke in the storage area, do not use open fire and sparking tools. Keep away from food, beverages or feed for animals.

7.3 Specific end use(s)

Product for industrial use, for coating, corrosion inhibitor.

Section 8: Exposure controls/personal protection

8.1 Control parameters

Mixture does not contain components that are subject to exposure control in the working area (legal basis: Commission Directive 2006/15/EC, 2000/39/EC, 2009/161/EC).

Please check any national occupational exposure limit values in your country.

8.2 Exposure controls

Use the product in accordance with good occupational hygiene and safety practices. Do not eat, drink or smoke when using the product. Avoid skin and eye contamination. Before break and after work carefully wash hands. Use protective hand cream. Ensure adequate ventilation. Avoid breathing vapours. If there is a risk of inflammation of the clothing on worker, showers and eye washers should be installed near the working place.

Hand and body protection

In case of a short contact, use protective gloves with effectiveness level ≥ 2 (breakthrough time > 30 min.). In case of a prolonged contact, use protective gloves with effectiveness level 6 (breakthrough time > 480 min.). Glove material should be chosen individually on the work station. Wear protective clothing.

When using protective gloves during work with chemical products, it should be noted that the efficacy levels and corresponding breakthrough times do not indicate actual times of protection at a particular workplace, because the protection can be affected by many factors, e.g. temperature, other substances etc. If there are any signs of degradation, damage or change in appearance (colour, flexibility, shape), it is recommended to replace the gloves with a new pair. Please follow the manufacturer's instructions, not only in terms of gloves' usage, but also in terms of their cleaning, maintenance and storage. It is also important to know how to take off the gloves in order to avoid hands contamination.

Eye/face protection

Use protective glasses (goggles) if there is a risk of eye contamination.

Respiratory protection

Not required in normal conditions of work. In case of the formation of vapours and aerosols, use absorbing equipment or absorbing and filtering equipment with a suitable protection class (class 1/protection against gases or vapours with a concentration in the air volume not exceeding 0.1%, class 2 / protection against gases or vapours with a concentration in the air not exceeding 0.5%, class 3 / protect against gases or vapours at concentrations in the air volume to 1%). In cases where the oxygen concentration is ≤ 17% and / or maximum concentration of toxic substances in the air is ≥ 1.0% by volume, isolating equipment should be used.

Applied personal protective equipment must comply with the requirements of the Directive 89/686/EC. The employer is obliged to provide protective equipment relevant to performed activities and in accordance with all quality requirements, including its maintenance and cleaning.

Environmental exposure controls

Do not allow the large quantity of mixture to contaminate ground water, wastewater, canalization or soil. Possible emissions from the ventilation systems and processing equipment should be controlled in order to determinate their compatibility with environmental protection regulations.

Section 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

physical state:	aerosol
colour:	colourless
odour:	characteristic
odour threshold:	not determined
pH:	not applicable
melting point/freezing point:	not determined
initial boiling point and boiling range:	187-219°C (date for liquid) EN ISO 3405
flash point:	> 61°C (date for liquid) ASTM D93
evaporation rate:	not determined
flammability (solid, gas):	extremely flammable aerosol.
upper/lower flammability or explosive limits:	7,0%/0,6% vol. (date for liquid)
vapour pressure:	not determined
vapour density:	not determined
relative density (15°C):	809 kg/m^3 (date for liquid) ISO 12185)
solubility(ies):	not soluble in water
partition coefficient: n-octanol/water:	not determined
auto-ignition temperature:	> 230oC (date for liquid) ASTM E 659
decomposition temperature:	not determined
explosive properties:	not determined
oxidising properties:	not display
viscosity (25°C):	1,77 mm^2/s (date for liquid), ASTM D 445

9.2 Other information

No additional test results.

Section 10: Stability and reactivity

10.1 Reactivity

Product is feebly reactive. It does not undergo polymerization. Vapours can create an explosive mixture with air. See also subsection 10.3-10.5.

10.2 Chemical stability

The product is stable under normal conditions of storage and use.

10.3 Possibility of hazardous reactions

Hazardous reactions are not known.

10.4 Conditions to avoid

Avoid heat, sparks and flames. Avoid direct exposure to sunliht and temperature > 50°C.

10.5 Incompatible materials

Strong oxidizing agents.

10.6 Hazardous decomposition products

Not known.

Section 11: Toxicological information

11.1 Information on toxicological effects

Toxicity of the substance

hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 2% aromatics (918-481-9)

LD_{50} (rat, oral)	> 5 000 mg/kg (OECD 401)
LD_{50} (rabbit, skin)	> 2 000 mg/kg (OECD 402)
LD_{50} (rat, inhalation)	> 5 000 mg/m^{3}/8h (OECD 403)

Toxicity of the mixture

Acute toxicity

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

Skin corrosion/irritation

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

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.

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

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

STOT-single exposure

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

STOT-repeated exposure

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

Aspiration hazard

Product contains components with low viscosity which are classified as hazardous after aspiration caused by ingestion. However, due to the form of the product, preventing accidental ingestion, the whole product does not pose aspirational hazard.

Section 12: Ecological information

12.1 Toxicity

Toxicity of the substance

hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 2% aromatics (918-481-9)

Acute toxicity for algae ErL50:	> 1 000 mg/l/72h (*Pseudokirchneriella subcapitata*)
Acute toxicity for fish LL50:	> 1 000 mg/l96h (*Oncorhynchus mykiss*)

Acute toxicity for daphnia EL50: > 1 000 mg/l/48h (*Daphnia magna*)

Toxicity of the mixture

Mixture is not classified as hazardous for the environment.

12.2 Persistence and degradability

hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 2% aromatics (918-481-9)

They are biodegradable at 80% within 28 days

12.3 Bioaccumulative potential

No data.

12.4 Mobility in soil

Product is not soluble in water. It does not penetrate the soil. The gaseous components escape quickly to the atmosphere. Mobility of components of the mixture in soil depends on the hydrophilic and hydrophobic properties and biotic and abiotic conditions of soil, including its structure, climatic conditions, seasons and soil organisms (mostly: bacteria, fungus, algae, invertebrates).

12.5 Results of PBT and vPvB assessment

Substances contained in the product do not meet the criteria of PBT and vPvB in accordance with Annex XIII or REACH Regulation.

12.6 Other adverse effects

The mixture is not classified as hazardous to the ozone layer. Consider other harmful effects of individual components of the mixture on the environment (eg. endocrine disrupting potential, global warming potential).

Section 13: Disposal considerations

13.1 Waste treatment methods

Disposal methods for the product: disposal in accordance with the local legislation. Do not remove from the original packaging.

Disposal methods for used packing: reuse/recycle/eliminate empty containers in accordance with the local legislation. Only containers completely emptied can be recycled. Classification of this product meets the criteria for hazardous waste. Do not mix with other waste. Do not pierce or burn empty containers. Recommended waste code: 15 01 11*.

Legal basis: Directive 2008/98/EC, 94/62/EC.

Section 14: Transport information

14.1 UN number

UN 1950

14.2 UN proper shipping name

AEROSOLS, flammable

14.3 Transport hazard class(es)

2, label 2.1

14.4 Packing group

Not applicable.

14.5 Environmental hazards

Mixture is not hazardous in accordance with the criteria of transport regulations.

14.6 Special precautions for user

Use personal protective equipment in accordance with section 8 when handling the cargo. Avoid fire and ignition sources.

14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable.

Section 15: Regulatory information

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

Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH), establishing a 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.

Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 as amended.

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, Authorisation and Restriction of Chemicals (REACH).

Directive 2008/98/EC of the European Parliament and of the Council of 19 November 2008 on waste and repealing certain Directives.

European Parliament and Council Directive 94/62/EC of 20 December 1994 on packaging and packaging waste.

15.2 Chemical safety assessment

Chemical safety assessment is not required for mixtures.

Section 16: Other information

Full text of indicated H phrases mentioned in section 3

H220	Extremely flammable gas.
H280	Contains gas under pressure; may explode if heated.
H304	May be fatal if swallowed and enters airways.
EUH066	Repeated exposure may cause skin dryness or cracking.

Clarification of aberrations and acronyms

PBT	Persistent, Bioaccumulative and Toxic substance
vPvB	very Persistent, very Bioaccumulative substance
Flam. Gas 1	Flammable gas category 1
Press. Gas	Gases under pressure
Asp. Tox. 1	Aspiration hazard cat. 1

Trainings

Before commencing working with the product, the user should learn the Health & Safety regulations, regarding handling chemicals, and in particular, undergo a proper workplace training. Personnel related with the transport of hazardous substances in accordance with the ADR agreement should be trained and should obtain proper certification in a range of their obligations (general training, workplace training, safety training).

Key literature references and sources of data

This SDS was prepared on the basis of sheets of the individual components, literature data, online databases as well as our knowledge and experience, taking into account current legislation.

Classification and procedures used to classify the mixture in accordance with Reg. EC 1272/2008

Aerosol 1 H222-H229 – on the basis of tests

Other data

Version:	1.0/EN
Composed by:	mgr Anna Michalska-Maciejczyk (on the basis of producer's data).
Safety Data Sheet made by:	**„THETA"** Doradztwo Techniczne

The information above is based on a current available data concerning the product, but also on the experience and knowledge in this field of the producer. They are neither a quality description of the product nor a guarantee of particular features. They are to be treated as aid to safety in transport, storage and usage of the product. That does not free the user from the responsibility of improper usage of the information above and also of improper compliance with the law norms in the field.