

According to the European Regulation (EC) No. 1907/2006, Commission Regulation (EU) No. 830/2015

Product name: PARAMO CLP 100
Date of issue: 30. 05.2008
Revision date: 15. 11. 2017 (Version 3.1)

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY**1.1 Product Identifier****PARAMO CLP 100****Chemical name:**

Mixtures

Registration No.:

None

Index No.:

None

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

Designated uses: Industrial gear oil

Uses of the mixture not recommended: The product may not be used in any way other than those specified in sections 1 and 7

1.3 Details of the supplier of the safety data sheet

Name: PARAMO, a.s.

Place of business: Přerovská 560, 530 06 Pardubice, Czech Republic

Phone: +420 466 810 111

Fax: +420 466 335 019

E-mail: paramo@paramo.czWebsite: www.paramo.czPerson(s) responsible for this Safety Data Sheet: Ms. Marie Doleželová, marie.dolezelova@paramo.cz**1.4 Emergency telephone number**

Control Room of PARAMO, a.s.: +420 466 303 175

Toxicological Information Centre at Na Bojišti 1, 128 08 Prague 2, phone (Czech Republic only) (24 hours, 7 days a week): +420 224 919 293, 224 915 402, 224 914 575

Transport Information & Accident System (TRINS), phone: +420 476 709 826

SECTION 2: HAZARDS IDENTIFICATION**2.1 Classification of the substance or mixture****According to 1272/2008 (CLP) the product is not classified as hazardous.**

Sensitizing: Skin Sens. 1, H317

2.2 Label elements**Pictogram:****Warning description:** Warning**Dangerous substances:** Contains: Polysulfide, di-terc. Butyl; The reaction products of bis (4-methylpentane-2-yl) dithiophosphor acid with phosphorus oxide, propylene oxide and C12-14 branched alkylamines**Standard phrases of hazard:**

H317 May cause an allergic skin reaction

Safe handling instructions

P272 Contaminated work clothing should not be allowed out of the workplace.

P280 Wear protective clothing

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

P333+P313 If skin irritation or rash occurs: Get medical advice

P362 Take off contaminated clothing and wash before reuse

P501 Dispose of contents/container according to local regulations

Other requirements

SAFETY DATA SHEET

According to the European Regulation (EC) No. 1907/2006, Commission Regulation (EU) No. 830/2015

Product name: **PARAMO CLP 100**
 Date of issue: 30. 05.2008
 Revision date: 15. 11. 2017 (Version 3.1)

None

2.3 Other hazards

The product is not persistent, bioaccumulative and toxic chemical substance or very persistent and very bioaccumulative chemical substance according to the criteria set out in Annex XIII to the EC (PBT, vPvB).
 Flammable liquid: Prolonged or frequently repeated exposure to this product may cause eye and skin irritation. The inhalation of oil mist may irritate the breathing passages. This product is not assumed to have long-term adverse ecological effects.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

The product is not the substances

3.2 Mixtures

Chemical characteristics

A mixture of the following substances and admixtures

Identification No.	Substance name	Subst. content in the product (%)	Classification according to 1272/2008 (CLP)	Note
EC: 273-103-3 CAS: not available Registration No: 01-2119540512-43	Polysulfide, di-terc. butyl	1.20	Skin Sens. 1, H317 Aquatic Chronic 3, H412	
EC: 931-384-6 CAS: not available Registration No: 01-2119493620-38	The reaction products of bis (4-methylpentane-2-yl) dithio-phosphor acid with phosphorus oxide, propylene oxide and C12-14 branched alkylamines	0.30	Acute Tox. 4, H302 Aquatic Chronic 2, H411 Eye Dam. 1, H318 Skin Sens. 1, H317	
EC: 204-015-5 CAS: not available Registration No: not available	Cis-oktadec-9-enylamin	0.014	Acute Tox. 4, H302 Asp. Tox. 1, H304 Eye Dam. 1, H318 Skin Corr. 1B, H314 STOT RE 2, H373 STOT SE 3, H335 Aquatic Acute 1, H400, M=10 Aquatic Chronic 1, H410, M=10	
EC: 265-077-7 CAS: 64741-76-0 Registration No: 01-2119486951-26	Base oil, unspecified			
EC: 278-012-2 CAS: 74869-22-0 Registration No: 01-2119495601-36	Lubricating oils			

Full texts of H-phrases are quoted in Section 16

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures

If the first aid treatment is to be administered, release tight clothing and keep the exposed person warm and at rest. If conscious, place the exposed person to the stabilised position and get prompt medical attention. In case of cardiac arrest, apply cardiac massage and call medical assistance immediately. If unconscious but breathing, place the exposed person to the stabilised position and call medical assistance immediately.

The first aid instructions are structured according to separate exposure ways:

Inhalation: In case of inhalation of the aerosol, dispose of the affected person to fresh air.

Skin contact: When skin contact with the product is promptly washed with water and soap, treat it with a suitable cream.

SAFETY DATA SHEET

According to the European Regulation (EC) No. 1907/2006, Commission Regulation (EU) No. 830/2015

Product name: PARAMO CLP 100
Date of issue: 30. 05.2008
Revision date: 15. 11. 2017 (Version 3.1)

Contact with eyes: Check for contact lenses and remove them, if present. Rinse the eyes thoroughly with ample quantity of clean (lukewarm, if possible) water for at least 15 minutes. If eye irritation persists, seek medical assistance.

Ingestion: Rinse mouth with water, never induce vomiting.

4.2 Most important symptoms and effects, both acute and delayed

None

4.3 Indication of any immediate medical attention and special treatment needed

Inhalation: Check breathing and pulse rate of the victim. Do not induce vomiting.

Ingestion and inhalation: Induction of vomiting and gastric lavage are contraindicative. Administration of activated charcoal is ineffective. The victim is to be continuously monitored for 48-72 hours. Monitoring for signs of pulmonary oedema begins 6 hours after ingestion or inhalation and continues for at least 48-72 hours.

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing means: Heavy, medium and light air-mechanical foam, type B or C fire-extinguishing powders.

Unsuitable extinguishing means: Water jet (for cooling only).

5.2 Special hazards arising from the substance or mixture

Combustion products and hazardous gases: smoke, carbon monoxide, carbon dioxide. Explosive mixtures with air are formed.

5.3 Advice for firefighting

Fire-fighting teams exposed to smoke or vapours must wear respiratory and eye protection. In confined spaces, the teams must use a self-contained breathing apparatus.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Prevent any contamination of clothing/footwear with the product; prevent any contact with skin and eyes. Use suitable protective clothing; if contaminated, change the clothing immediately. Remove any potential source of ignition. Strictly no smoking or naked flames. If possible, larger spills may be covered with foam in order to control the creation of vapours and aerosols. Provide for good ventilation of the affected areas. All persons not taking part in rescue operations must be kept away to a sufficient distance.

6.2 Environmental precautions

Act as quick as possible, do not allow to enter drains, underground water or watercourses and soil by enclosing the affected area (damming, closing of gulleys). Notify the relevant authorities.

6.3 Methods and material for containment and cleaning up

If possible, contain the spillage and pump off or remove the product mechanically or draw it off the water surface. Let absorb any residua or smaller quantities to a suitable sorbent (Vapex, Chezacarb, saw dust, sand) and place it into labelled containers for further disposal in accordance with the relevant waste disposal legislation.

6.4 Reference to other sections

In addition to the instructions provided in this section, relevant information referred to in section 8 - Exposure and Section 13 - Disposal.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

The building must be equipped in accordance with the respective ČSN 75 3415 standard. When handling heavy packaging, use appropriate handling means. Prevent the spill of the product – risk of slipping. When using do not eat, drink or smoke.

SAFETY DATA SHEET

According to the European Regulation (EC) No. 1907/2006, Commission Regulation (EU) No. 830/2015

Product name: PARAMO CLP 100
Date of issue: 30. 05.2008
Revision date: 15. 11. 2017 (Version 3.1)

7.2 Conditions for safe storage, including any incompatibilities

Store in tightly closed containers in areas protected from rain, dust, heat and other weather-Weather proofing. Maximum storage temperature is 40 ° C. Protect against the ingress of water.

7.3 Specific end use(s)

Lubrication of all types of industrial gear units with high pressure between the teeth (spur and bevel gears, worm gears).

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION**8.1 Control parameters**

The mixture contains substances for which exposure limits are set for the working environment

PEL mineral oil: 5 mg/m³

NPK-P mineral oil: 10 mg/m³

Inhalation: long-term exposure: workers DNEL (inhalation) intermittent = 5.4 mg/m³/8 h

public DNEL (inhalation) intermittent = 1.2 mg/m³/24 h

8.2 Exposure controls

Observe general safety and hygienic measures; do not eat, drink and smoke at work. After washing the skin with warm water and soap, treat it preventively with a regeneration cream.

Eye/face protection: Use protective goggles or safety eyewear (face shield).

Skin protection: Use protective gloves resistant against oil products and tested according to EN 374; best of all made of nitrile or neoprene rubber.

Respiratory protection: Not necessary, if the vapour concentration in air is less than the concentration limits. If the opposite is the case or aerosols are created, use emergency escape mask with A, AX (brown) filters or any other mask types suitable of protecting against organic gases and vapours.

Thermal hazard: None

Environmental exposure controls: It is necessary to prevent leakage into the environment by all available means.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**9.1 Information on basic physical and chemical properties**

Appearance:

State: liquid

Colour: brown

Odour: typical

Odour threshold value: not determined

pH: no determination necessary

Pour point: -18 °C

Initial boiling point and boiling range: not determined

Flash point OK: > 200 °C

Vaporisation rate: not determined

Flammability: IV. Class

Upper/lower explosion or flammability limits: not determined

Vapour pressure: < 10 Pa at 20 °C

Vapour density: not determined

Relative density: 890 kg/m³ at 15 °C

Solubility: insoluble in water

Separation factor: n-octanol/water: not determined

Self-ignition temperature: > 390 °C

Decomposition temperature: not determined

Viscosity: 90 to 110 mm²/s/40 °C

SAFETY DATA SHEET

According to the European Regulation (EC) No. 1907/2006, Commission Regulation (EU) No. 830/2015

Product name: PARAMO CLP 100
Date of issue: 30. 05.2008
Revision date: 15. 11. 2017 (Version 3.1)

Explosive properties: not explosive
Oxidation properties: not oxidising

9.2 Other information

Combustion point: > 230 °C

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity: No reactivity danger exists.

10.2 Chemical stability: Stable under recommended storage and handling conditions.

10.3 Possibility of hazardous reactions: No dangerous reactions are possible.

10.4 Conditions to avoid: Creation of concentrations within the explosion limits, presence of ignition sources and contact with a naked flame.

10.5 Incompatible materials: Strong oxidisers.

10.6 Hazardous decomposition products: Under normal conditions: none; if burning under deficiency of air, carbon monoxide may be formed.

SECTION 11: TOXICOLOGICAL INFORMATION**11.1 Information on toxicological effects**

Acute toxicity: oral toxicity (rat) LD₅₀ > 5 000 mg/kg (OECD 401)
Dermal toxicity (rabbit) LD₅₀ > 2 000 mg/kg (OECD 402)
Inhalation toxicity (rabbit) LC₅₀ > 5 000 mg/m³ (OECD 403)

Chronic toxicity: chronic inhalation toxicity NOAEL > 220 mg/m³ (OECD 412)

Skin corrosion/irritation: OECD 404 test results proved no the skin irritation.

Serious eye damage/irritation: OECD 405 test results proved no eye irritation.

Respiratory or skin sensitization: the respiratory organ sensitisation data are missing, but no such sensitisation is expected. As regards the sensitisation by skin contact, OECD 406 tests were made and no sensitisation proved.

Germ cell mutagenicity: PAU is < 3 % (IP 346).

Carcinogenicity: PAU is < 3 % (IP 346). It is not carcinogenic for dermal or inhalation exposure.

Reproduction toxicity: The substance is not toxic for reproduction

STOT – single exposure: not determined

STOT – repeated exposure: not determined

Aspiration hazards: None.

SECTION 12: ECOLOGICAL INFORMATION

Based on acute toxicity of invertebrates and algae, the product is not classified as toxic to the environment.

12.1 Toxicity

Acute toxicity for aquatic environment: fish - LL₅₀ (96 hrs) > 100 mg/l, NOEL ≥ 100 mg/l (OECD 203)

Algae EL₅₀ (72 hrs) ≥ 100 mg/l (OECD 201)

Invertebrates EL₅₀ (48 hrs) > 10 000 mg/l, NOEL ≥ 1000 mg/l (OECD 202)

Chronic toxicity for aquatic environment: invertebrates NOEL (21 days) 10 mg/l, fish NOEL (21 days) 10 mg/l

Toxicity for soil microorganisms and for soil macroorganisms: Not expected

SAFETY DATA SHEET

According to the European Regulation (EC) No. 1907/2006, Commission Regulation (EU) No. 830/2015

Product name: PARAMO CLP 100
Date of issue: 30. 05.2008
Revision date: 15. 11. 2017 (Version 3.1)

- 12.2 Persistence and degradability:** Not easily biodegradable.
- 12.3 Bio accumulative potential:** No data available. On the basis of log P o / w similar products can be expected to be very low.
- 12.4 Mobility in soil:** Not expected - the substance is biodegradable.
- 12.5 Results of PBT and vPvB assessment:** The product does not contain substances meeting the criteria for PBT or vPvB in accordance with Annex XIII, Regulation (EC) No 1907/2006 (REACH), as amended.
- 12.6 Other adverse effects:** Not expected

SECTION 13: DISPOSAL CONSIDERATIONS**13.1 Waste treatment methods**

Substance disposal procedures: Waste, impaired product or unused/surplus product must be handed over to the person authorised for waste disposal according to the provisions of Act No. 185/2001 Coll., on Waste, as amended later, for the purposes of further use or disposal (according to the manufacturer's recommendations).

Waste Code: N 13 02 05, in sorbent: N 15 02 02

Contaminated packaging disposal procedures: The containers with product residua must be placed on the place specified by the municipal authorities or handed over to the person authorised for waste disposal.

Waste legislation: Act No. 185/2001 Coll., on Waste, as amended later and connected implementation rules and regulations.

SECTION 14: TRANSPORT INFORMATION

Nomenclature and labelling according to the European Agreement concerning the International Carriage of Dangerous Goods, Road (ADR)/Rail (RID)

ADR: Not regulated as a dangerous good

RID: Not regulated as a dangerous good

ADN: Not regulated as a dangerous good

IATA-DGR: Not regulated as a dangerous good

IMDG-Code: Not regulated as a dangerous good

- 14.1 UN Number:** none, not regulated as a dangerous good
- 14.2 UN proper shipping name:** none, not regulated as a dangerous good
- 14.3 Transport hazard class(es):** none, not regulated as a dangerous good
- 14.4 Packing group:** none, not regulated as a dangerous good
- 14.5 Environmental hazard:** none
- 14.6 Special precautions for user:**

Petroleum liquids under the Act on the waters, as amended, considered dangerous because of the requirements of the quality of surface and groundwater when transporting large volumes necessary to follow the advice of Standard 75 3418.

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**

- ✓ Act on Clean Air Protection, as amended later, *incl. connected regulations and rules.*
The product does not represent a volatile organic substance pursuant to Act on Clean Air Protection, as amended and relevant regulations of the Ministry of Environment.
- ✓ ČSN 65 0201 Flammable Liquids – manufacturing, storage and handling premises
According to ČSN 65 0201, the product is classified in the IV Flammability Class.
- ✓ ČSN 33 0371 Inexplosive electrical installation – Explosive mixtures – Classification and methods of testing
According to ČSN 33 077, the product is classified in the T3 Thermal Class.

SAFETY DATA SHEET

According to the European Regulation (EC) No. 1907/2006, Commission Regulation (EU) No. 830/2015

Product name: PARAMO CLP 100
Date of issue: 30. 05.2008
Revision date: 15. 11. 2017 (Version 3.1)

- ✓ Government Regulation No. 361/2007 Coll., by which the conditions of occupational health and safety are stipulated, as amended later.
- ✓ ČSN 75 3415 Protection of water against oil products. Premises for oil product handling and storage
- ✓ ČSN 75 3418 Protection of surface and groundwater from contamination during transportation of oil and oil products by road vehicles
- ✓ Act No. 350/2011 Coll., on chemical substances and chemical mixtures, and on amendments of some acts.
- ✓ Regulation (EU) No. 830/2015 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)
- ✓ Regulation (EC) No. 1272/2008 on classification, labelling and packaging of substances and mixtures

15.2 Chemical safety assessment

The chemical safety assessment has been made.

SECTION 16: OTHER INFORMATION

Standard safety phrases: H-phrases

H302 Harmful if swallowed
H304 May be fatal if swallowed and enters airways
H314 Causes severe skin burns and eye damage
H317 May cause an allergic skin reaction
H318 Causes serious eye damage
H335 May cause respiratory irritation
H373 May cause damage to organs through prolonged or repeated exposure
H400 Very toxic to aquatic life
H410 Very toxic to aquatic life with long lasting effects
H411 Toxic to aquatic life with long lasting effects
H412 Harmful to aquatic life with long lasting effects

Safe handling instructions: P-phrase

P272 Contaminated work clothing should not be allowed out of the workplace.
P280 Wear protective gloves, protective clothing, eye protection, face protection
P302+P352 IF ON SKIN: Wash with plenty of soap and water
P333+P313 If skin irritation or rash occurs: Get medical advice
P362+P364 Take off contaminated clothing and wash before reuse
P501 Dispose of contents/container according to local regulations

Other information important for the safety and health of humans

The product must not be used for any purpose other than those specified in sections 1 and 7 without the manufacturer's / importer's specific consent. The user is responsible for compliance with all relevant health protection regulations.

Training

The user is obliged to get acquainted with the safety precautions relating to the product handling / treatment and complete applicable trainings at the workplace before he/she starts to work with the product.

Information on changes

- ✓ The change was made on the basis of Commission Regulation (EU) No 453/2010.
- ✓ The change (version 3.0) – Classification CLP
- ✓ The change (version 3.1) – art. 1.2, 1.3, 2.2, 3.2, 8.1, 9.1, 12, 14, 15.1, 16

Statement: The Safety Data Sheet has been prepared in accordance with REACH Regulation (EC) No 1907/2006. It contains the data that are needed to ensure safety and health at work and environmental protection. These data do not replace the quality specification and cannot be considered as a guarantee of the suitability and usability of this product for a specific application. These data correspond to the current state of knowledge and experience and are in accordance with our valid legal regulations. The customer is responsible for compliance with the applicable regional legislation