

SAFETY DATA SHEET

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

Product name: **PARAMO SYNT 300**

Date of issue: 01. 08. 2016

Revision date: 16. 11. 2017 (version 1.1)

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY

1.1 Product Identifier

PARAMO SYNT 300

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: Soluble 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.cz

Website: www.paramo.cz

Person(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 classified as hazardous.

Skin Irrit., H315

Eye Dam. 1, H318

2.2 Label elements

Pictogram:



Warning description: Warning

Dangerous substances: Contains: 2-aminoethan-1-ol

Standard phrases of hazard:

H315 Causes skin irritation

H318 Causes serious eye damage

Safe handling instructions

P280 Wear protective gloves and eye protection

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

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P501 Dispose of contents/container to the Waste Act.

Other requirements

None

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2.3 Other hazards

The product is not persistent, bio accumulative and toxic chemical substance or very persistent and very bio accumulative 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
ES: 205-483-3 CAS: 141-43-5 Registration No: 01-2119486455-28	2-aminoethan-1-ol	0.1 - 1.3	Skin Corr. 1B, H314 Acute Tox. 4, H302 Acute Tox. 4, H312 STOT SE 3, H335	
ES: 609-691-9 CAS: 39464-70-5 Registration No: not available	Fenylpolyglykolester acid phosphor	1 - 1,5	Skin Corr. 1B, H314	
ES: 203-312-7 CAS: 105-59-9 Registration No: 01-2119488970-24	2,2'-metyliminodietanol	1 - 3	Eye Irrit. 2, H319	
ES: 2634-33-5 CAS: - Registration No: biocid	1,2-Benzisothiazolin-3(2h)-on	0.01 – 0.0499	Acute Tox. 4, H302 Skin Irrit. 2, H315 Eye Dam. 1, H318 Skin Sens. 1, H317 Aquatic Acute 1, H400	
ES: 219-145-8 CAS: 2372-82-9 Registration No: 01-2119980592-29	Dodecylbispropylentriamin	0.01 - 0.05	Skin Corr. 1A, H314 STOT RE 2, H373 Acute Tox. 3, H301 Aquatic Acute 1, H400 Aquatic Chronic 1, H410	

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: Remove the contaminated clothes and footwear immediately. Keep washing the affected body parts with soap and warm water and treat them with a suitable cream.

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

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4.3 Indication of any immediate medical attention and special treatment needed

Inhalation: Check the respiration and heart rate of the affected person. Do not induce vomiting.

Ingestion and inhalation: Contraindications: induced vomiting and gastric irrigation. Administration of medicinal charcoal has no effect. The affected person must be monitored at least for the period of 48 to 72 hours. Monitoring for pulmonary oedema symptoms starts six hours after the ingestion/inhalation and it continues at least for the period of 48 to 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 residual 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

Apart from the instruction set out in this Section, other important information is shown in section 8 - EXPOSURE CONTROLS AND SECTION 13 – DISPOSAL CONSIDERATIONS.

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.

7.2 Conditions for safe storage, including any incompatibilities

Store in tightly closed containers in places protected from rain, dust, heat and other weather. The recommended storage temperature is 0 ° C to 45 ° C. Storage beyond this range may affect the life of the concentrate. The concentrate can withstand short-term freezing. Long-term storage below 0 ° C can not be recommended. For long-term storage at temperatures below 0 ° C, ensure good homogenization of the concentrate before emulsion preparation.

7.3 Specific end use(s)

The concentrate solution is used as a processing fluid for grinding both ferrous and non-ferrous metals.

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SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control parameters

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

2-aminoethan-1-ol (ES 205-483-3, CAS 141-43-5)

Inhalation: long-term exposure: occupational DNEL (inhalation) intermittent = 2.5 mg/m³/8 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: yellow

Odour: slightly sweet

Odour threshold value: not determined

pH: 9.5/20 °C

Pour point: -10 °C

Initial boiling point and boiling range: not determined

Flash point OK: not determined

Vaporisation rate: not determined

Flammability: none

Upper/lower explosion or flammability limits: not determined

Vapour pressure: not determined

Vapour density: not determined

Relative density: 1 078 kg/m³ at 15 °C

Solubility: soluble in water

Separation factor: n-octanol/water: not determined

Self-ignition temperature: not determined

Decomposition temperature: not determined

Viscosity: 13 mm²/s/40 °C

Explosive properties: not explosive

Oxidation properties: not oxidising

9.2 Other information

Combustion point: not determined

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity: No reactivity danger exists.

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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 > 2 000 mg/kg (OECD 401)

Dermal toxicity (rabbit) LD₅₀ > 2 000 mg/kg (OECD 402)

Chronic toxicity: not determined

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: not determined

Carcinogenicity: not determined

Reproduction toxicity: not determined

STOT – single exposure: not determined

STOT – repeated exposure: not determined

Aspiration hazards: Based on the alkaline nature of the preparation, it is assumed that serious lung damage may occur as a result of inhalation of the concentrate.

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: not determined

Chronic toxicity for aquatic environment: not determined

Toxicity for soil microorganisms and for soil macroorganisms: Not expected

12.2 Persistence and degradability: Biodegradable.

12.3 Bio accumulative potential: Not expected - the substance is biodegradable.

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 12 01 09, in sorbent: N 15 02 02

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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 special 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 In explosive electrical installation – Explosive mixtures – Classification and methods of testing
According to ČSN 33 077, the product is classified in the T3 Thermal Class.
- ✓ 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.
- ✓ 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

H301 Toxic if swallowed

H302 Harmful if swallowed

H312 Harmful in contact with skin

H314 Causes severe skin burns and eye damage

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H315 Causes skin irritation

H317 May cause an allergic skin reaction

H318 Causes serious eye damage

H319 Causes serious eye irritation

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

Safe handling instructions: P-phrases

P280 Wear protective gloves and eye protection

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

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P501 Dispose of contents/container to the Waste Act.

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

- ✓ New product.
- ✓ The change (version 1.1) – art. 1.2, 1.3, 2.1, 2.2, 3.2, 4, 8.1, 9, 11, 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