SAFETY DATA SHEET

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

Product name: **KONKOR 622**
Date of issue: 24. 10. 2013
Revision date: 13. 11. 2017 (Version 2.1)

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

1.1 Product Identifier

KONKOR 622

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: Temporary protective against corrosion
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 not classified as hazardous.
Dangerous for the environment: Aquatic Chronic 4, H413

2.2 Label elements

Pictogram: None
Warning description: None
Dangerous substances: Contains calcium salts of di-C10-C14 alkyl derivatives of benzene sulfonic acid. May produce an allergic reaction. Contains: Hydrocarbons, C11-C12 isoalkanes
Standard phrases of hazard:
H413 Harmful to aquatic life with long lasting effects
Safe handling instructions:
P273 Avoid release to the environment
P280 Wear protective gloves
P501 Dispose of contents/container according to local regulations

Other signs:

Technical data:

Categories and subcategories	B-e
Solids content (% wt.)	65
Total VOC content (% wt.)	35
Volatile compounds (VOC) (g/l)	310
Maximum threshold of VOC (g/l)	840

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. It is harmful to aquatic organisms and the aquatic environment may cause long-term adverse 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: 939-603-7 CAS: - Registration No: 01-2119978241-36	Calcium salts of di-C10-C14 alkyl derivatives of benzenesulfonic acid	1.-4.9	Skin Sens. 1, H317	
EC: 500-241-6 CAS: 69011-36-5 Registration No: 01-2119976362-32	Isotridecanol, ethoxylated	0.1-0.9	Eye Dam. 1, H318 Acute Tox. 4, H302	
EC: 285-597-8 CAS: 85117-47-1 Registration No: 01-2119985162-35	The sodium salt of mono-C10-C14 alkyl derivatives of benzenesulfonic acid	0.1-0.5	Skin Sens. 1, H317	
EC: 918-167-1 CAS:not available Registration No: 01-2119472146-39	C11-C12 hydrocarbons, isoalkanes	50-99	Asp. Tox. 1, H304 Aquatic Chronic 4, H413	

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. If the exposed person is unconscious and not breathing, provide for free respiratory passages and artificial respiration. 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: Move the exposed person to fresh air or to a well-ventilated place, keep the exposed person warm and at rest, do not leave the person unattended. Get prompt medical assistance.

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. If any irritation, swelling or reddening occurs, get prompt medical assistance. Wash the contaminated clothes before re-use. Footwear and other leather clothing parts must be replaced with new.

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: Remove any artificial denture, if present. Rinse the mouth with water, but never induce vomiting - vomit should not get into the lungs. Get prompt medical attention. If nevertheless spontaneous vomit-

ing occurs, place the exposed person to the stabilised position with his/her legs slightly elevated. Seek immediate medical assistance.

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: The product has negative effects on the central nervous system. At higher concentrations, the product vapours have narcotic effects that may cause convulsions or even death. Check for breathing and pulse rate of the affected person.

Ingestion and inhalation: If swallowed or inhaled, the product may cause serious damage of lungs. Do not induce vomiting. 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 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

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

All fire-safety measures must be followed while handling the product. Strictly no smoking or naked flames. In addition, it is necessary to avoid any inhalation of vapours or aerosol, contamination of skin and/or eyes. If handling of heavy containers is necessary, use suitable handling equipment and avoid of any possibility of slipping.

7.2 Conditions for safe storage, including any incompatibilities

Store in properly sealed packaging in a place protected from rain, dust, heat and other weather conditions. The storage temperature is -10 °C to 25 °C. Protect against water.

7.3 Specific end use(s)

Temporary protective against corrosion

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/m^3
NPK-P mineral oil: 10 mg/m^3
Inhalation: long-term exposure: occupational DNEL (inhalation) intermittent = 5.4 mg/m^3/8 h
General population DNEL (inhalation) intermittent = 1.2 mg/m^3/24 h
PNEC (water, sediment, soil, WWTP): does not pose a risk
PNEC (oral, mammals): 9.33 mg / kg of food

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: -12 °C
Initial boiling point and boiling range: not determined
Flash point OK: > 70 °C
Vaporisation rate: not determined
Flammability: III. Class
Upper/lower explosion or flammability limits: Upper limit: 6.5 % of volume, lower limit: 0.6 % of volume
Vapour pressure: < 1 hPa at 20 °C
Vapour density: not determined
Relative density: 862 kg/m^3 at 15 °C
Solubility: insoluble in water
Separation factor: n-octanol/water: not determined
Self-ignition temperature: > 230 °C
Decomposition temperature: not determined

Viscosity:	22.0 mm^2/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.

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

Skin contact: Symptoms: redness. Prolonged or repeated skin contact may dry skin and cause irritation.

Eye contact: Contact with eyes may cause irritation.

Inhalation: Inhalation of high concentrations of VPAR, mists, aerosols may cause irritation of the respiratory tract and mucous membranes especially of eyes. Vapours inhaled in strong concentrations have a narcotic effect on the central nervous sous-Tavua.

Ingestion: Harmful if accidentally swallowed may enter the lungs due to its low viscosity cause a rapidly developing lung injury (examined by the doctor within 48 hours). Swallowing may cause gastrointestinal irritation, nausea, vomiting and diarrhea. Abdominal pain.

Acute toxicity – for components

Hydrocarbons, C11 - C12, isoalkanes , <2 % aromatics
> 5000 (rat - OECD 401)
> 5000 (rat - OECD 402
> 5000 (rat - OECD 403)

Skin corrosion/irritation – not classified

Serious eye damage/eye irritation – not classified

Respiratory/skin sensitization – not classified

Carcinogenicity – not classified

Germ cells – not classified

The mutagenic potential of compounds was investigated in a series of in - vivo and in - vitro tests.

Mutagenicity in germ cells: negative

Reproductive toxicity - not classified

Reproductive toxicity: No information available

Developmental toxicity: The results of the benchmarking study on developmental toxicity substance and toxicity screening study OECD showed no evidence of developmental toxicity in rats.

Toxicity to specific target organs - single exposure: not classified

Toxicity to specific target organs - repeated exposure: not classified

Aspiration hazard: classified Asp. Tox. First Aspiration of petroleum hydrocarbons can cause pneumonia (bronchopneumonia). The substance can enter lungs and cause damage.

For more information: Frequent or prolonged contact with skin may damage the hydro-lipid layer of the skin (skin protective film) and cause dermatitis.

SECTION 12: ECOLOGICAL INFORMATION

Based on acute toxicity of invertebrates and algae, the product is classified as toxic to the environment, H413.

12.1 Toxicity

Acute toxicity for aquatic environment: fish - LL_{50} (96 hrs) > 100 mg/l, NOEL ≥ 100 mg/l (OECD 203)

Algae EL_{50} (72 hrs) ≥ 100 mg/l (OECD 201)

Invertebrates EL_{50} (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

12.2 Persistence and degradability: Not expected - the substance is not soluble in water.

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 13 02 08, 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

ADNR: Hazardous to the national river transport
Number UN: 9003, Dangerous goods class: 9

Substance with a flash point above 60 °C and less than 100 °C (Hydrocarbons, C11-C13, isoalkanes, < 2 % aromatics)

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.*
  Art. 2.2
- ✓ ČSN 65 0201 Flammable Liquids – manufacturing, storage and handling premises
  According to ČSN 65 0201, the product is classified in the III 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.
- ✓ 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

H302 Harmful if swallowed
H304 May be fatal if swallowed and enters airways
H317 May cause an allergic skin reaction
H318 Causes serious eye damage
H413 Harmful to aquatic life with long lasting effects
EUH208 It contains calcium salts of di-C10-C14 alkyl derivatives of benzene sulfonic acid. May produce an allergic reaction

Safe handling instructions: P-phrase

P273 Avoid release to the environment
P280 Wear protective gloves
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 (version 2.0) – Classification CLP
- ✓ The change (version 2.1) – art. 1.2, 1.3, 1.4, 2.2, 3.2, 8.1, 9.1, 11, 14, 15.1, 16.

The data contained in this safety data sheet are based on our current knowledge and experience and they are related to the specified product only. The user is responsible for the product correct handling under the current legislation.