

Safety data sheet

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

1.1. Product identifier

Code: 91818/002
Product name RACE 271

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

Intended use Hard surface cleaner

| Identified Uses | Industrial | Professional | Consumer |
|---|------------|--------------|----------|
| Cleaners for hars surfaces. | - | - | - |
| Uses Advised Against | | | |
| Don't use for different uses from the recommended one | | | |

1.3. Details of the supplier of the safety data sheet

Name Pro Tech Industries
Full address Leoforos Dionisou 37
District and Country Nea Makri - GR 19005
www.protechindustries.biz
Tel.: +302294098068

e-mail address of the competent person
responsible for the Safety Data Sheet Luca@protechindustries.biz

1.4. Emergency telephone number

For urgent inquiries refer to +306955999420

SECTION 2. Hazards identification.

2.1. Classification of the substance or mixture.

The product is classified as hazardous pursuant to the provisions set forth in EC Regulation 1272/2008 (CLP) (and subsequent amendments and supplements). The product thus requires a safety datasheet that complies with the provisions of EC Regulation 1907/2006 and subsequent amendments. Any additional information concerning the risks for health and/or the environment are given in sections 11 and 12 of this sheet.

Hazard classification and indication:

| | | |
|--------------------------------|------|----------------------------|
| Serious eye damage, category 1 | H318 | Causes serious eye damage. |
| Skin irritation, category 2 | H315 | Causes skin irritation. |

2.2. Label elements.

Hazard labelling pursuant to EC Regulation 1272/2008 (CLP) and subsequent amendments and supplements.



Signal words: Danger

Hazard statements:

H318 Causes serious eye damage.
H315 Causes skin irritation.

Precautionary statements:

P101 If medical advice is needed, have product container or label at hand.
P102 Keep out of reach of children.
P280 Wear protective gloves / eye protection / face protection.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310 Immediately call a POISON CENTER / doctor / . . .
P332+P313 If skin irritation occurs: Get medical advice / attention.

Contains:
ALCOHOLS, C9-11, ETHOXYLATED
ETHANOLAMINE
quaternary C12-14 alkyl methyl amine ethoxylate methyl chloride
DIDECYLDIMONIUM CHLORIDE

2.3. Other hazards.

On the basis of available data, the product does not contain any PBT or vPvB in percentage greater than 0,1%.

SECTION 3. Composition/information on ingredients.

3.1. Substances.

Information not relevant.

3.2. Mixtures.

Contains:

| Identification. | Conc. %. | Classification 1272/2008 (CLP). |
|-------------------------------------|----------|---------------------------------|
| ALCOHOLS, C9-11, ETHOXYLATED | | |
| CAS. 68439-46-3 | 3 - 5 | Eye Dam. 1 H318 |
| EC. - | | |
| INDEX. - | | |
| Reg. no. Polymer | | |
| ETHANOLAMINE | | |

CAS. 141-43-5

1 - 3

Acute Tox. 4 H302, Acute Tox. 4 H312, Acute Tox. 4 H332, Skin Corr. 1B H314, STOT SE 3 H335

EC. 205-483-3

INDEX. 603-030-00-8

Reg. no. 01-2119486455-28

Tetrapotassium Pyrophosphate

CAS. 7320-34-5

1 - 3

Eye Irrit. 2 H319

EC. 230-785-7

INDEX. -

Reg. no. 01-2119489369-18-0003

quaternary C12-14 alkyl methyl amine ethoxylate methyl chloride

CAS. 863679-20-3

1 - 3

Acute Tox. 4 H302, Eye Dam. 1 H318, Skin Irrit. 2 H315

EC. -

INDEX. -

Reg. no. Polymer

DIDECYLDIMONIUM CHLORIDE

CAS. 7173-51-5

0,2 - 0,3

Acute Tox. 4 H302, Skin Corr. 1B H314, Aquatic Acute 1 H400 M=10, Aquatic Chronic 2 H411

EC. 230-525-2

INDEX. -

Reg. no. 01-2119945987-15-0000

Note: Upper limit is not included into the range.

The full wording of hazard (H) phrases is given in section 16 of the sheet.

SECTION 4. First aid measures.**4.1. Description of first aid measures.**

EYES: Remove contact lenses, if present. Wash immediately with plenty of water for at least 30-60 minutes, opening the eyelids fully. Get medical advice/attention.

SKIN: Remove contaminated clothing. Rinse skin with a shower immediately. Get medical advice/attention.

INGESTION: Have the subject drink as much water as possible. Get medical advice/attention. Do not induce vomiting unless explicitly authorised by a doctor.

INHALATION: Get medical advice/attention immediately. Remove victim to fresh air, away from the accident scene. If the subject stops breathing, administer artificial respiration. Take suitable precautions for rescue workers.

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

For symptoms and effects caused by the contained substances, see chap. 11.

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

For both acute and delayed symptoms seek medical advice.

SECTION 5. Firefighting measures.

5.1. Extinguishing media.

SUITABLE EXTINGUISHING EQUIPMENT

The extinguishing equipment should be of the conventional kind: carbon dioxide, foam, powder and water spray.

UNSUITABLE EXTINGUISHING EQUIPMENT

None in particular.

5.2. Special hazards arising from the substance or mixture.

HAZARDS CAUSED BY EXPOSURE IN THE EVENT OF FIRE

Do not breathe combustion products.

5.3. Advice for firefighters.

GENERAL INFORMATION

Use jets of water to cool the containers to prevent product decomposition and the development of substances potentially hazardous for health. Always wear full fire prevention gear. Collect extinguishing water to prevent it from draining into the sewer system. Dispose of contaminated water used for extinction and the remains of the fire according to applicable regulations.

SPECIAL PROTECTIVE EQUIPMENT FOR FIRE-FIGHTERS

Normal fire fighting clothing i.e. fire kit (BS EN 469), gloves (BS EN 659) and boots (HO specification A29 and A30) in combination with self-contained open circuit positive pressure compressed air breathing apparatus (BS EN 137).

SECTION 6. Accidental release measures.

6.1. Personal precautions, protective equipment and emergency procedures.

Block the leakage if there is no danger.

Wear suitable protective equipment listed in section 8 of the safety data sheet to prevent any contamination of skin, eyes and personal clothing. These guidelines apply to both clerks who work for the emergency interventions.

6.2. Environmental precautions.

The product must not penetrate into the sewer system or come into contact with surface water or ground water.

6.3. Methods and material for containment and cleaning up.

Collect the leaked product into a suitable container. Evaluate the compatibility of the container to be used, by checking section 10. Absorb the remainder with inert absorbent material.

Make sure the leakage site is well aired. Check incompatibility for container material in section 7. Contaminated material should be disposed of in compliance with the provisions set forth in point 13.

6.4. Reference to other sections.

Any information on personal protection and disposal is given in sections 8 and 13.

SECTION 7. Handling and storage.

7.1. Precautions for safe handling.

Before handling the product, consult all the other sections of this material safety data sheet. Avoid leakage of the product into the environment. Do not eat, drink or smoke during use. Remove any contaminated clothes and personal protective equipment before entering places in which people eat.

7.2. Conditions for safe storage, including any incompatibilities.

Store only in the original container. Store the containers sealed, in a well ventilated place, away from direct sunlight. Keep containers away from any incompatible materials, see section 10 for details.

7.3. Specific end use(s).

See Section 1.2 for specific uses.

SECTION 8. Exposure controls/personal protection.

8.1. Control parameters.

ETHANOLAMINE

Predicted no-effect concentration - PNEC.

| | | |
|--|--------|-------|
| Normal value in fresh water | 0,085 | mg/l |
| Normal value in marine water | 0,0085 | mg/l |
| Normal value for fresh water sediment | 0,425 | mg/kg |
| Normal value for marine water sediment | 0,0425 | mg/kg |
| Normal value of STP microorganisms | 100 | mg/l |

Health - Derived no-effect level - DNEL / DMEL

| Route of exposure | Effects on consumers. | Effects on workers | | | Chronic systemic VND | |
|-------------------|-----------------------|--------------------|---------------|-------------|----------------------|---------|
| | | Acute local | Chronic local | Acute local | | |
| Inhalation. | | 2 mg/m3 | VND | | 3,3 mg/m3 | |
| Skin. | | VND | 0,24 mg/kg | | VND | 1 mg/kg |

Tetrapotassium Pyrophosphate

Predicted no-effect concentration - PNEC.

| | | |
|------------------------------------|-------|------|
| Normal value in fresh water | 0,05 | mg/l |
| Normal value in marine water | 0,005 | mg/l |
| Normal value of STP microorganisms | 50 | mg/l |

Health - Derived no-effect level - DNEL / DMEL

| Route of exposure | Effects on consumers. | | | Effects on workers | | | Chronic local | Chronic systemic |
|-------------------|-----------------------|----------------|---------------|--------------------|----------------|--|------------------------|------------------|
| | Acute local | Acute systemic | Chronic local | Acute local | Acute systemic | | | |
| Oral. | | VND | 70 mg/kg | | | | | |
| Inhalation. | | VND | 0,68 mg/l | | VND | | 2,79 mg/m ³ | |

8.2. Exposure controls.

As the use of adequate technical equipment must always take priority over personal protective equipment, make sure that the workplace is well aired through effective local aspiration. Personal protective equipment must be CE marked, showing that it complies with applicable standards.

Provide an emergency shower with face and eye wash station.

HAND PROTECTION

For industrial or prolonged, protect your hands with gloves category III (ref. Standard EN 374).

Final selection of glove material to work you must consider: compatibility, degradation, breakage times and permeation.

In the case of preparations the resistance of gloves to chemicals should be checked before use, as it expected. The gloves have a time limit depends on the duration and mode of use.

Recommended gloves NITRILE Length 24.5 cm Thickness 0.1 mm.

Minimum breakthrough time: 14 minutes (99% methanol), BTT maximum: 480 minutes (50% sodium hydroxide).

SKIN PROTECTION

For industrial use wear work clothes with long sleeves and safety shoes for professional use of category I (ref. Directive 89/686 / EEC and standard EN ISO 20344). Wash with soap and water after removing protective clothing.

EYE PROTECTION

For industrial wear glasses MASK comply with European legislation EN170 EN166-1B, CATEGORY II as per Legislative Decree 475 of 04/12/1992.

RESPIRATORY PROTECTION

None required under normal conditions of use.

ENVIRONMENTAL EXPOSURE CONTROLS.

Emissions from production processes, including those from ventilation should be checked for the purposes of compliance with environmental protection.

SECTION 9. Physical and chemical properties.

9.1. Information on basic physical and chemical properties.

| | |
|--|--|
| Appearance | liquid |
| Colour | white |
| Odour | characteristic |
| Odour threshold. | Not available. |
| pH. | 11,8-12,5 |
| Melting point / freezing point. | Untested. |
| Initial boiling point. | Untested. |
| Boiling range. | Untested. |
| Flash point. | Not applicable (non-flammable). |
| Evaporation rate | Untested. |
| Flammability (solid, gas) | Not applicable (non-flammable). |
| Lower inflammability limit. | Not applicable (non-flammable). |
| Upper inflammability limit. | Not applicable (non-flammable). |
| Lower explosive limit. | Not applicable (non-explosive). |
| Upper explosive limit. | Not applicable (non-explosive). |
| Vapour pressure. | Untested. |
| Vapour density | Untested. |
| Relative density. | 1,02-1,03 |
| Solubility | soluble / miscible in water |
| Partition coefficient: n-octanol/water | Not applicable for the mixture. Data for substances are not available. |
| Auto-ignition temperature. | Non-auto. |
| Decomposition temperature. | Untested. |
| Viscosity | Like water |

| | |
|-----------------------------|-----------------------|
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| | |
|----------------------|---------------|
| Explosive properties | non-explosive |
| Oxidising properties | non-oxidizing |

9.2. Other information.

VOC (Directive 2010/75/EC) : 2,99 %
VOC (volatile carbon) : 1,17 %

SECTION 10. Stability and reactivity.

10.1. Reactivity.

There are no particular risks of reaction with other substances in normal conditions of use.

10.2. Chemical stability.

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

10.3. Possibility of hazardous reactions.

No hazardous reactions are foreseeable in normal conditions of use and storage.

ETHANOLAMINE: can react dangerously with: acrylonitrile, chloroepoxypropane, chlorosulphuric acid, hydrogen chloride, iron-sulphur compounds, acetic acid, acetic anhydride, mesityl oxide, nitric acid, sulphuric acid, strong mineral acids, vinyl acetate, cellulose nitrate.

10.4. Conditions to avoid.

None in particular. However the usual precautions used for chemical products should be respected.

ETHANOLAMINE: avoid exposure to air and sources of heat.

10.5. Incompatible materials.

ETHANOLAMINE: iron, strong acids and strong oxidising agents.

None in particular.

10.6. Hazardous decomposition products.

ETHANOLAMINE: nitrogen oxides, carbon oxides.

None known.

SECTION 11. Toxicological information.

11.1. Information on toxicological effects.

In the absence of experimental data for the product itself, health hazards are evaluated according to the properties of the substances it contains, using the criteria specified in the applicable regulation for classification. It is therefore necessary to take into account the concentration of the individual hazardous substances indicated in section 3, to evaluate the toxicological effects of exposure to the product.

This product may cause serious ocular lesions, cornea opacity, iris lesions, irreversible eye coloration.

Acute effects: contact with skin may cause: irritation, erythema, edema, dryness and chapped skin. Ingestion may cause health disorders, including stomach pain and sting, nausea and sickness.

ETHANOLAMINE

LD50 (Oral).1089 mg/kg ratto

LD50 (Dermal).2504 mg/kg ratto

LC50 (Inhalation).1,48 mg/l ratto

ALCOHOLS, C9-11, ETHOXYLATED

LD50 (Oral).> 5000 mg/kg ratto

LD50 (Dermal).> 2000 mg/kg

Tetrapotassium Pyrophosphate

LD50 (Oral).> 2000 mg/kg ratto

LD50 (Dermal).> 2000 mg/kg coniglio

LC50 (Inhalation).> 1,1 mg/l ratto

quaternary C12-14 alkyl methyl amine ethoxylate methyl chloride

LD50 (Oral).> 300 mg/kg ratto

a a) Acute tox:

b) Skin corrosion / irritation: Causes severe irritations c) Serious eye damage / eye irritation: Causes serious eye damage.; d) Respiratory or skin sensitization: Not classified (based on available data, the classification criteria are not met); e) Germ cell mutagenicity: Not classified (based on available data, the classification criteria are not met); f) Carcinogenicity: Not classified (based on available data, the classification criteria are not met); g)

Reproductive toxicity: Not classified (based on available data, the classification criteria are not met); h) Specific target organ toxicity (STOT) - single exposure: Not classified (based on available data, the classification criteria are not met); i) Specific target organ toxicity (STOT) - repeated exposure: Not classified (based on available data, the classification criteria are not met); j) Aspiration hazard: Not classified (based on available data, the classification criteria are not met) ;.

SECTION 12. Ecological information.

12.1. Toxicity.

ETHANOLAMINE

LC50 - for Fish. 349 mg/l/96h

EC50 - for Crustacea. 65 mg/l/48h Daphnia

EC50 - for Algae / Aquatic Plants. 2,5 mg/l/72h

ALCOHOLS, C9-11, ETHOXYLATED

LC50 - for Fish. > 1 mg/l/96h

DIDEDECYLDIMONIUM
CHLORIDE

EC50 - for Crustacea. 0,057 mg/l/48h

Tetrapotassium
Pyrophosphate
LC50 - for Fish. > 100 mg/l/96h *Oncorhynchus mykiss*

EC50 - for Crustacea. > 100 mg/l/48h *Daphnia magna*

Chronic NOEC for Fish. 100 mg/l *Oncorhynchus mykiss*

Chronic NOEC for Algae /
Aquatic Plants. > 100 mg/l

quaternary C12-14 alkyl
methyl amine ethoxylate
methyl chloride
LC50 - for Fish. > 10 mg/l/96h

12.2. Persistence and degradability.

Information not available.

12.3. Bioaccumulative potential.

Evaluation of potential biaccumulation not be expected accumulation in organisms. The product was not tested. The indications are derived from substances / products contained in the formulation.

12.4. Mobility in soil.

Assessment transport between environmental compartments: Volatility: not applicable.

12.5. Results of PBT and vPvB assessment.

On the basis of available data, the product does not contain any PBT or vPvB in percentage greater than 0,1%.

12.6. Other adverse effects.

The product does not contain substances listed in Regulation 1005/2009 / EC on substances that deplete the ozone layer

SECTION 13. Disposal considerations.

13.1. Waste treatment methods.

Reuse, when possible. Product residues should be considered special hazardous waste. The hazard level of waste containing this product should be evaluated according to applicable regulations.

Disposal must be performed through an authorised waste management firm, in compliance with national and local regulations.

CONTAMINATED PACKAGING

Contaminated packaging must be recovered or disposed of in compliance with national waste management regulations.

SECTION 14. Transport information.

14.1. UN number.

Not applicable.

14.2. UN proper shipping name.

Not applicable.

14.3. Transport hazard class(es).

Not applicable.

14.4. Packing group.

Not applicable.

14.5. Environmental hazards.

Not applicable.

14.6. Special precautions for user.

Not applicable.

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

Information not relevant.

SECTION 15. Regulatory information.

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

Seveso category. None.

Restrictions relating to the product or contained substances pursuant to Annex XVII to EC Regulation 1907/2006.

Product.

Point.

3

Substances in Candidate List (Art. 59 REACH).

None.

Substances subject to authorisation (Annex XIV REACH).

None.

Substances subject to exportation reporting pursuant to (EC) Reg. 649/2012:

None.

Substances subject to the Rotterdam Convention:

None.

Substances subject to the Stockholm Convention:

None.

Healthcare controls.

Workers exposed to this chemical agent must not undergo health checks, provided that available risk-assessment data prove that the risks related to the workers' health and safety are modest and that the 98/24/EC directive is respected.

15.2. Chemical safety assessment.

No chemical safety assessment has been processed for the mixture and the substances it contains.

SECTION 16. Other information.

Text of hazard (H) indications mentioned in section 2-3 of the sheet:

| | |
|-------------------|--|
| Acute Tox. 4 | Acute toxicity, category 4 |
| Skin Corr. 1B | Skin corrosion, category 1B |
| Eye Dam. 1 | Serious eye damage, category 1 |
| Eye Irrit. 2 | Eye irritation, category 2 |
| Skin Irrit. 2 | Skin irritation, category 2 |
| STOT SE 3 | Specific target organ toxicity - single exposure, category 3 |
| Aquatic Acute 1 | Hazardous to the aquatic environment, acute toxicity, category 1 |
| Aquatic Chronic 2 | Hazardous to the aquatic environment, chronic toxicity, category 2 |
| H302 | Harmful if swallowed. |
| H312 | Harmful in contact with skin. |
| H332 | Harmful if inhaled. |
| H314 | Causes severe skin burns and eye damage. |

| | |
|------|--|
| H318 | Causes serious eye damage. |
| H319 | Causes serious eye irritation. |
| H315 | Causes skin irritation. |
| H335 | May cause respiratory irritation. |
| H400 | Very toxic to aquatic life. |
| H411 | Toxic to aquatic life with long lasting effects. |

LEGEND:

- ADR: European Agreement concerning the carriage of Dangerous goods by Road
- CAS NUMBER: Chemical Abstract Service Number
- CE50: Effective concentration (required to induce a 50% effect)
- CE NUMBER: Identifier in EESIS (European archive of existing substances)
- CLP: EC Regulation 1272/2008
- DNEL: Derived No Effect Level
- EmS: Emergency Schedule
- GHS: Globally Harmonized System of classification and labeling of chemicals
- IATA DGR: International Air Transport Association Dangerous Goods Regulation
- IC50: Immobilization Concentration 50%
- IMDG: International Maritime Code for dangerous goods
- IMO: International Maritime Organization
- INDEX NUMBER: Identifier in Annex VI of CLP
- LC50: Lethal Concentration 50%
- LD50: Lethal dose 50%
- OEL: Occupational Exposure Level
- PBT: Persistent bioaccumulative and toxic as REACH Regulation
- PEC: Predicted environmental Concentration
- PEL: Predicted exposure level
- PNEC: Predicted no effect concentration
- REACH: EC Regulation 1907/2006
- RID: Regulation concerning the international transport of dangerous goods by train
- TLV: Threshold Limit Value
- TLV CEILING: Concentration that should not be exceeded during any time of occupational exposure.
- TWA STEL: Short-term exposure limit
- TWA: Time-weighted average exposure limit
- VOC: Volatile organic Compounds
- vPvB: Very Persistent and very Bioaccumulative as for REACH Regulation
- WGK: Water hazard classes (German).

GENERAL BIBLIOGRAPHY

1. Regulation (EU) 1907/2006 (REACH) of the European Parliament
2. Regulation (EU) 1272/2008 (CLP) of the European Parliament
3. Regulation (EU) 790/2009 (I Atp. CLP) of the European Parliament
4. Regulation (EU) 2015/830 of the European Parliament
5. Regulation (EU) 286/2011 (II Atp. CLP) of the European Parliament
6. Regulation (EU) 618/2012 (III Atp. CLP) of the European Parliament
7. Regulation (EU) 487/2013 (IV Atp. CLP) of the European Parliament
8. Regulation (EU) 944/2013 (V Atp. CLP) of the European Parliament
9. Regulation (EU) 605/2014 (VI Atp. CLP) of the European Parliament
- The Merck Index. - 10th Edition
- Handling Chemical Safety
- INRS - Fiche Toxicologique (toxicological sheet)
- Patty - Industrial Hygiene and Toxicology
- N.I. Sax - Dangerous properties of Industrial Materials-7, 1989 Edition
- ECHA website

Note for users:

The information contained in the present sheet are based on our own knowledge on the date of the last version. Users must verify the suitability and thoroughness of provided information according to each specific use of the product.

This document must not be regarded as a guarantee on any specific product property.

The use of this product is not subject to our direct control; therefore, users must, under their own responsibility, comply with the current health and safety laws and regulations. The producer is relieved from any liability arising from improper uses.

Provide appointed staff with adequate training on how to use chemical products.