



Safety data sheet according to 1907/2006/EC, Article 31

Version number 1

Printing date 17.04.2018

Revision: 18.05.2015

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

- **1.1 Product identifier**
- **Trade name:** *OPN-Machine Cleaner Concentrate 25 liters*
- **Article number:** 16064
- **1.2 Relevant identified uses of the substance or mixture and uses advised against**
- **Relevant identified uses** industrial use, professional use
- **Application of the substance / the mixture** Alkaline cleaner
- **Uses advised against:**
consumer use (private households)
Do not use for products that are intended for contact with food - exclude food contact.
- **1.3 Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
OPN-CHEMIE GmbH
In der Au 14
D-57290 Neunkirchen/Germany
Tel.: +49 (0) 2735 / 7725-0 Fax: +49 (0) 2735 / 7725-90
E-Mail: info@opn-chemie.de Web: www.opn-chemie.de
- **Further information obtainable from:**
Safety data sheets Mrs. Barbara Angelika Gros-Petri
Tel.: +49 (0) 2735 / 7725-20 E-Mail: baerbel.petri@opn-chemie.de
- **1.4 24 hours Emergency telephone number:**
Vergiftungs-Informationen-Zentrale Freiburg +49 (0) 761 / 192 40

SECTION 2: Hazards identification

- **2.1 Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**



GHS05 corrosion

Eye Dam. 1 H318 Causes serious eye damage.



GHS07

Skin Irrit. 2 H315 Causes skin irritation.

- **2.2 Label elements**
- **Labelling according to Regulation (EC) No 1272/2008**
The product is classified and labelled according to the CLP regulation.
- **Hazard pictograms**



GHS05

- **Signal word** *Danger*
- **Hazard-determining components of labelling:**
2-aminoethanol
Benzenesulfonic acid, mono-C10-16-alkyl derivs., sodium salts
Isotridecanol, ethoxylated
- **Hazard statements**
H315 Causes skin irritation.
H318 Causes serious eye damage.

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· Precautionary statements

- P101 If medical advice is needed, have product container or label at hand.
P102 Keep out of reach of children.
P261 Avoid breathing mist/vapours/spray.
P264 Wash hands thoroughly after handling.
P280 Wear protective gloves/protective clothing/eye protection/face 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.
P310 Immediately call a POISON CENTER/doctor.
P362 Take off contaminated clothing.
P410 Protect from sunlight. Do not expose to temperatures exceeding 50°C/ 122°F.
P501 Dispose of contents / container in accordance with national regulations of the disposal.

· 2.3 Other hazards**· Results of PBT and vPvB assessment****· PBT:**

The product does not contain any PBT substance or does not fulfil criteria for PBT according to annex XIII of regulation (EC) 1907/2006.

· vPvB:

The product does not contain any vPvB substance or does not fulfil criteria for vPvB according to annex XIII of regulation (EC) 1907/2006.

SECTION 3: Composition/information on ingredients

· 3.2 Chemical characterisation: Mixtures

· Description: Mixture of substances listed below with nonhazardous additions.

· Dangerous components:

CAS: 7320-34-5 EINECS: 230-785-7	tetrapotassium pyrophosphate ⚠ Eye Irrit. 2, H319	2-<5%
CAS: 141-43-5 EINECS: 205-483-3 Reg.nr.: REACH: 01-2119486455-28	2-aminoethanol ⚠ Skin Corr. 1B, H314 ⚠ Acute Tox. 4, H302; Acute Tox. 4, H332; STOT SE 3, H335 Aquatic Chronic 3, H412	2-<5%
CAS: 68081-81-2 EINECS: 268-356-1	Benzenesulfonic acid, mono-C10-16-alkyl derivs., sodium salts ⚠ Eye Dam. 1, H318 ⚠ Acute Tox. 4, H302; Skin Irrit. 2, H315	1-<2.5%
CAS: 9043-30-5 Polymer	Isotridecanol, ethoxylated ⚠ Eye Dam. 1, H318 ⚠ Acute Tox. 4, H302	1-<2.5%

· Additional information: For the wording of the listed hazard phrases refer to section 16.

SECTION 4: First aid measures

· 4.1 Description of first aid measures

· General information: No special measures required.

· After inhalation: Fresh air. If pain persists, get medical attention.

· After skin contact: Immediately wash with water and soap and rinse thoroughly.

· After eye contact:

Immediately flush eyes with plenty of water with lids lifted. If symptoms persist, seek medical advice.

· After swallowing:

Rinse out mouth and drink plenty of water.

Do not induce vomiting; call for medical help immediately.

· 4.2 Most important symptoms and effects, both acute and delayed No further relevant information available.

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- **4.3 Indication of any immediate medical attention and special treatment needed**
Treatment after assessment of medical condition by a physician. Present safety data sheet or label.

SECTION 5: Firefighting measures

- **5.1 Extinguishing media**
- **Suitable extinguishing agents:**
CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
Use fire extinguishing methods suitable to surrounding conditions.
- **For safety reasons unsuitable extinguishing agents:** Full water jet
- **5.2 Special hazards arising from the substance or mixture**
In case of fire, the following can be released:
Carbon monoxide (CO)
Sulphur dioxide (SO₂)
- **5.3 Advice for firefighters**
- **Protective equipment:**
Do not inhale explosion gases or combustion gases.
Wear self-contained respiratory protective device.
- **Additional information**
Cool endangered receptacles with water spray.
Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**
Wear protective clothing.
Particular danger of slipping on leaked/spilled product.
- **6.2 Environmental precautions:**
Inform respective authorities in case of seepage into water course or sewage system.
Do not allow to enter sewers/ surface or ground water.
- **6.3 Methods and material for containment and cleaning up:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Dispose contaminated material as waste according to item 13.
Clean the affected area carefully; suitable cleaners are:
Water
- **6.4 Reference to other sections**
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

SECTION 7: Handling and storage

- **7.1 Precautions for safe handling**
Observe the usual precautionary measures for handling chemicals.
Avoid contact with eyes.
Keep receptacles tightly sealed.
- **Information about fire - and explosion protection:**
No special measures required.
The product is not flammable.
- **7.2 Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** No special requirements.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:**
Store in dry conditions at 10 - 25 °C.

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- Protect from heat and direct sunlight.
- Store under lock and key and out of the reach of children.
- **7.3 Specific end use(s)** No further relevant information available.

SECTION 8: Exposure controls/personal protection

- **Additional information about design of technical facilities:** No further data; see item 7.

- **8.1 Control parameters**

- **Ingredients with limit values that require monitoring at the workplace:**

141-43-5 2-aminoethanol

WEL	Short-term value: 7.6 mg/m ³ , 3 ppm
	Long-term value: 2.5 mg/m ³ , 1 ppm
Sk	

- **Additional information:** The lists valid during the making were used as basis.

- **8.2 Exposure controls**

- **Personal protective equipment:**

- **General protective and hygienic measures:**

Observe the usual precautionary measures for handling chemicals.

Avoid contact with the eyes and skin.

- **Respiratory protection:** Not required.

- **Protection of hands:**

Alkaline resistant gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

Protective gloves according EN 374.

- **Material of gloves**

Butyl rubber, BR

Nitrile rubber, NBR

Chloroprene rubber, CR

PVC gloves

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

- **Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

- **Eye protection:**



Tightly sealed goggles

DIN EN 166 or related

- **Body protection:** Protective work clothing

- **Limitation and supervision of exposure into the environment** use product sparingly

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SECTION 9: Physical and chemical properties

· 9.1 Information on basic physical and chemical properties

· General Information

· Appearance:

Form: Liquid

Colour: Yellow

Cloudy

· Odour: Neutral

· Odour threshold: Not determined.

· pH-value at 20 °C: ~ 11 (< 11.5)

· Change in condition

Melting point/Melting range: Not determined.

Boiling point/Boiling range: > 100 °C

· Flash point: Not applicable.

· Flammability (solid, gaseous): Not applicable.

· Ignition temperature:

Decomposition temperature: Not determined.

· Self-igniting: Product is not selfigniting.

· Danger of explosion: Product does not present an explosion hazard.

· Explosion limits:

Lower: Not determined.

Upper: Not determined.

· Vapour pressure: Not determined.

· Density at 20 °C: ~ 1,00 g/cm³

· Relative density: Not determined.

· Vapour density: Not determined.

· Evaporation rate: Not determined.

· Solubility in / Miscibility with water:

Soluble.

· Partition coefficient (n-octanol/water): Not determined.

· Viscosity:

Kinematic: Not determined.

· Solvent content:

Organic solvents: 0 %

Solids content: < 10 %

· 9.2 Other information: No further relevant information available.

SECTION 10: Stability and reactivity

· 10.1 Reactivity: No further relevant information available.

· 10.2 Chemical stability

· Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.

· 10.3 Possibility of hazardous reactions

Reaction with strong oxidizing agents.

Reacts with strong acids.

· 10.4 Conditions to avoid: No further relevant information available.

· 10.5 Incompatible materials:

strong oxidizing agents

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strong acids

· **10.6 Hazardous decomposition products:** No dangerous decomposition products known.

SECTION 11: Toxicological information

· **11.1 Information on toxicological effects**· **Acute toxicity** Based on available data, the classification criteria are not met.· **LD/LC50 values relevant for classification:****7320-34-5 tetrapotassium pyrophosphate**

Oral LD50 >2000 mg/kg (mouse)

141-43-5 2-aminoethanol

Oral LD50 1515 mg/kg (rat)

Dermal LD50 1000 mg/kg (rabbit)

9043-30-5 Isotridecanol, ethoxylated

Oral LD50 1000-2000 mg/kg (rat) (CESIO)

· **Primary irritant effect:**· **Skin corrosion/irritation**

Causes skin irritation.

· **Serious eye damage/irritation**

Causes serious eye damage.

· **Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.· **Repeated dose toxicity** No further relevant information available.· **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**

No further relevant information available.

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

SECTION 12: Ecological information

· **12.1 Toxicity**· **Aquatic toxicity:****141-43-5 2-aminoethanol**

EC50 65 mg/l (daphnia magna) (48 h)

LC50 224 mg/l (fish) (Leuciscus idus)

· **12.2 Persistence and degradability** The contained surfactants are easily biodegradable· **12.3 Bioaccumulative potential** Bioaccumulation improbable.· **12.4 Mobility in soil** No further relevant information available.· **Additional ecological information:**· **General notes:**

The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

Do not allow product to reach ground water, water course or sewage system.

The product does not contain organically bounded halogens (AOX-free).

· **12.5 Results of PBT and vPvB assessment**· **PBT:** Not applicable.· **vPvB:** Not applicable.

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- **12.6 Other adverse effects** No further relevant information available.

SECTION 13: Disposal considerations

- **13.1 Waste treatment methods**
· **Recommendation** Dispose of in accordance with all applicable local and national regulations.

· **European waste catalogue**

20 01 29*	detergents containing dangerous substances
15 01 10*	packaging containing residues of or contaminated by dangerous substances

- **Uncleaned packaging:**
· **Recommendation:**
Dispose of in accordance with all applicable local and national regulations.
Empty contaminated packagings thoroughly. They may be recycled after thorough and proper cleaning.
· **Recommended cleansing agents:** Water, if necessary together with cleansing agents.

SECTION 14: Transport information

- | | |
|---------------------------------------------------------------------------------------------|-----------------|
| · 14.1 UN-Number
· ADR, ADN, IMDG, IATA | Void |
| · 14.2 UN proper shipping name
· ADR, ADN, IMDG, IATA | Void |
| · 14.3 Transport hazard class(es)
· ADR, ADN, IMDG, IATA
· Class | Void |
| · 14.4 Packing group
· ADR, IMDG, IATA | Void |
| · 14.5 Environmental hazards:
· Marine pollutant: | No |
| · 14.6 Special precautions for user | Not applicable. |
| · 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code | Not applicable. |
| · UN "Model Regulation": | Void |

SECTION 15: Regulatory information

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
· **Directive 2012/18/EU**
· **Named dangerous substances - ANNEX I** None of the ingredients is listed.
· **15.2 Chemical safety assessment:**
A Chemical Safety Assessment has not been carried out, because it is not necessary for mixtures.

SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- **Relevant phrases**
H302 Harmful if swallowed.
H312 Harmful in contact with skin.

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H314 Causes severe skin burns and eye damage.
H315 Causes skin irritation.
H318 Causes serious eye damage.
H319 Causes serious eye irritation.
H332 Harmful if inhaled.
H335 May cause respiratory irritation.
H412 Harmful to aquatic life with long lasting effects.

· Abbreviations and acronyms:

CLP: Classification, Labelling and Packaging (Regulation (EC) No. 1272/2008)
 REACH: Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals.
 EC50: effective concentration, 50 percent
 ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
 IMDG: International Maritime Code for Dangerous Goods
 IATA: International Air Transport Association
 GHS: Globally Harmonised System of Classification and Labelling of Chemicals
 VCI: Verband der chemischen Industrie, Deutschland (German chemical industry association)
 EINECS: European Inventory of Existing Commercial Chemical Substances
 ELINCS: European List of Notified Chemical Substances
 CAS: Chemical Abstracts Service (division of the American Chemical Society)
 DNEL: Derived No-Effect Level (REACH)
 PNEC: Predicted No-Effect Concentration (REACH)
 LC50: Lethal concentration, 50 percent
 LD50: Lethal dose, 50 percent
 PBT: persistent, bioaccumulative, toxic
 vPvB: very persistent, very bioaccumulative
 Acute Tox. 4: Acute toxicity, Hazard Category 4
 Skin Corr. 1B: Skin corrosion/irritation, Hazard Category 1B
 Skin Irrit. 2: Skin corrosion/irritation, Hazard Category 2
 Eye Dam. 1: Serious eye damage/eye irritation, Hazard Category 1
 Eye Irrit. 2: Serious eye damage/eye irritation, Hazard Category 2
 STOT SE 3: Specific target organ toxicity - Single exposure, Hazard Category 3
 Aquatic Chronic 3: Hazardous to the aquatic environment - Chronic Hazard, Category 3