

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date: 11.07.2016

Revision: 11.07.2016

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

1.1 Product identifier

Trade name: **Cleanax 200.1**

1.2 Use of the substance: Cleaning Agent

1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier:

DECO TECHNOLOGY Group Inc.
1040 Segovia Cir
Placentia, CA 92870

Information Number: (714) 639-3326

1.4 Emergency telephone number:

Infotrac: (800) 535-5053

2. Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008
The substance is not classified according to the CLP regulation.
Classification according to Directive 67/548/EEC or Directive 1999/45/EC
not applicable

2.2 Label elements

Labelling according to EU guidelines:
The product has been classified and marked in accordance with EU
Directives / Ordinance on Hazardous Materials
Observe the general safety regulations when handling chemicals

2.3 Other hazards

Results of PBT and vPvB assessment

- PBT: Not applicable.
- vPvB: Not applicable.

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3. Composition/information on ingredients

3.1 Chemical characterization: Substances

100% % organic solvent

This product is exempt from the specific labeling requirements specified in the EG lists in their latest amendment.

4. First aid measures

4.1 Description of first aid measures

After inhalation
Supply fresh air; keep patient warm, consult doctor in case of complaints.

After skin contact
Immediately wash with water and soap and rinse thoroughly.
If skin irritation continues, consult a doctor.

After eye contact
Rinse opened eye for 15 minutes under running water. Then consult a doctor.

After swallowing
Rinse out mouth and then drink plenty of water. Take activated charcoal, do not drink milk or fats/oils.
Seek medical treatment.

4.2 First aid measures

Acute / delayed symptoms / effects:
Product causes inflammation of the mucosa, allergic reactions possible
No further relevant information available
Immediate medical measures or special treatments:
No further relevant information available.

5. Firefighting measures

5.1 Suitable extinguishing agents

CO₂, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

For safety reasons no water with full jet.

5.2 Special hazards arising from the substance or mixture

Formation of toxic gases is possible during heating or in case of fire.

5.3 Advice for firefighters

Protective equipment: Wear self-contained respiratory protective device.

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6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Wear protective equipment (safety goggles, gloves). Keep unprotected persons away.

6.2 Environmental precautions:

Do not allow to enter sewers/ surface or ground water.

6.3 Methods and material for containment and cleaning up:

Cover with liquid-binding materials (sand, kieselgur, universalbinder, Penta 77)
Dispose contaminated material as waste according to item 13.

6.4 Reference to other sections

For information on safe handling, see Chapter 7.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.
No dangerous materials are released.

7. Handling and storage

7.1 Precautions for safe handling

Ensure good ventilation/exhaustion at the workplace.
Ensure good interior ventilation, especially at floor level (fumes are heavier than air).
No special measures for fire and explosion protection necessary.
Keep ignition sources away
Do not smoke.

7.2 Conditions for safe storage, including any incompatibilities.

Store in a cool location.
Provide solvent resistant floor.
Do not use light alloy receptacles.

7.3 Information about storage in one common storage facility:

Store away from oxidising agents and acids as well as food.

7.4 Further information about storage conditions:

Store in cool, dry conditions in well sealed receptacles.
Protect from heat and direct sunlight.
This product is hygroscopic.

Storage class: none

7.5 Classification after „Betriebssicherheitsverordnung“ (BetrSichV) Plant Safety Governance

Specific end use: no further relevant information available

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8. Exposure controls/personal protection

8.1 : Additional information about design of technical systems:

No further data; see item 7.

8.2 Control parameters

Components with limit values that require monitoring at the workplace::

Cleanax 200.1

MAK Short-term value: 100 e mg/m³

Long-term value: 50 e mg/m³

- Additional information:

The lists that were valid during the creation were used as basis.

8.3 Exposure controls

Personal protective equipment. General protective and hygienic measures



Keep away from foodstuffs, beverages and feed. Immediately remove all soiled and contaminated clothing. Do not eat, drink, smoke or inhale while working. Avoid contact with the eyes.

Ensure that eyewash stations are available at the work place. Do not inhale gases / fumes / aerosols.

8.4 Breathing equipment::

Not necessary with sufficient ventilation. If large amounts of aerosol are formed, use a gas filter A.

8.5 Protection of hands:

Solvent resistant gloves

For the permanent contact gloves made of the following materials are suitable:

Permeation time ³ 8 hours

Butyl rubber - BR gloves (0.5 mm).

Fluoro carbon rubber - FKM gloves (0.4 mm).

Reference: GESTIS substance database (www.hvbg.de/d/bia/fac/ges/gestis.htm)

- Not suitable are gloves made of the following materials:

Natural rubber/Natural latex gloves.

Polychloroprene - CR gloves.

Nitrile rubber/Nitrile latex - NBR gloves.

Polyvinyl chloride - PVC gloves.

Leather gloves

Reference: GESTIS substance database (www.hvbg.de/d/bia/fac/ges/gestis.htm)

8.6 Eye protection:

Tightly sealed goggles.

8.7 Body protection:

Solvent resistant protective clothing

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9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

General Information

Appearance:
Form: fluid
Color: colorless
Odour: pleasant

9.2 Change in condition

Melting point/Melting range: -80°C
Boiling point/Boiling range: 194-196°C

Flash point: 83°C
Ignition temperature: 190°C

Danger of explosion: The product is non-explosive. However the formation of explosive vapor/air mixtures is possible .
x

Explosion limits:
Lower: 1,8 Vol %
Upper: 12,2 Vol %

Vapour pressure at 20°C: 0,13 hPa
Density at 20°C: 0,990 g/cm³

Solubility in / Miscibility with Water: fully miscible

Viscosity:
dynamic at 20°C: 4,95 mPas

organic solvent: 100%

VOC - EU 100%
VOC - EU 988.5 g/l
VOC - CH 100 %
VOC - USA 988.5 g/l 8.25 lb/gl

10. Stability and reactivity

10.1 Reactivity

· Chemical stability

Thermal decomposition / conditions to be avoided:

To avoid thermal decomposition do not overheat.

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10.2 Possibility of hazardous reactions

- Possibility of hazardous reactions
- Reacts with strong oxidising agents
- Reacts with strong acids
- Reacts with alkaline metals.
- Reacts with light alloys to form hydrogen.
- Hazardous decomposition products:
- Irritant gases/vapours
- Peroxides
- Thermal decomposition into organic fumes, which can form explosive mixtures with air.

11. Toxicological information

11.1 Information on toxicological effects

Acute toxicity:
LD / LC50 values that are relevant for classification :

Oral LD50 5900 mg/kg (Rat)
Dermal LD50 8476 mg/kg (rabbit)

11.2 Primary irritant effect:

- on the skin: Repeated and/or prologed contact may cause skin irritation/degreasing.
- may irritate mucosa
- on the eye: Irritant effect.

11.3 Sensitization: No sensitising effects known.

11.4 Subacute to chronic toxicity:

This product is exempt from the specific labeling requirements specified in the EG lists in their latest amendment. Prolonged, improper contact with the product can cause liver and kidney damages. Danger due to skin absorption.



12. Ecological information

12.1 Toxicity

Aquatic toxicity :

EC10/16h 4000 mg/l (Pseudomonas putida)
EC50/48h 3940 mg/l (Daphnia magna)
LC50/96h 13400 mg/l (Salmo gairdnerii)

12.2 Persistence and degradability

The product is easily biodegradable.
Biological decomposition after adaption

12.3 Behaviour in environmental systems:

- Bioaccumulative potential
- No appreciable accumulation in organisms.
- log P(o/w)<1

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12.4 Ecotoxicical effects:

Remark: Not harmful to water organisms.

Additional ecological information: BSB20-Value: BSB20-Value: 87% of ThSB

· General notes:

Water hazard class 1 (German Regulation) (Assessment by list): slightly hazardous for water.

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

12.5 Results of PBT and vPvB assessment

· PBT: Not applicable.

· vPvB: Not applicable.

13. Disposal considerations

13.1 Waste treatment methods

Recommendation

Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

Disposal should be in accordance with local, state or national legislation.

Uncleaned packagings:

Recommendation:

Packaging can be reused or recycled after cleaning. Disposal according to official regulations.

Recommended cleansing agent:

Water, if necessary with cleansing agents.

14. Transport information

14.1 Land transport ADR/RID (cross-border)

- Land transport ADR/RID (cross-border)
- ADR/RID class: -
- Maritime transport IMDG:
- IMDG Class: -
- Air transport ICAO-TI and IATA-DGR:
- ICAO/IATA Class: -
- UN „Model Regulation“: -
- Special precautions for user Not applicable.

15. Regulatory information

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

Legal regulations for the substance or mixture:

- National regulations
- Technical instructions (air):
- C l a s s S h a r e i n %
- NK 50-100
- Water pollution class:

Water pollution class WGK 1 (self classification, D): slightly hazardous to water

· Chemical safety assessment:

A Chemical Safety Assessment has not been carried out.

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16.1 Other information

16.1 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.

16.2 Department issuing MSDS:

Labor, KK/rm
MA

16.3 Abbreviations and acronyms:

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

IATA-DGR: Dangerous Goods Regulations by the „International Air Transport Association“ (IATA)

ICAO: International Civil Aviation Organization

ICAO-TI: Technical Instructions by the „International Civil Aviation Organization“ (ICAO)

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)