

Printing date 12/19/2005

Reviewed on 12/19/2005

* **1 Identification of substance**

- Product details
- Trade name: **Oil and Grease Remover Paste**
- Article number: 10896
- Application of the substance / the preparation Oil stain remover
- Manufacturer/Supplier: AKEMI chemisch technische Spezialfabrik GmbH Tel. +49(0)911-642960
Lechstrasse 28 Fax. +49(0)911-644456
D 90451 Nürnberg e-mail info@akemi.de
- Information department: Laboratory

* **2 Composition/Data on components**

- Chemical characterization
- Description: Mixture of the substances listed below with nonhazardous additions.
- Dangerous components:

Alkanes, C7-10	25-50%
Xn; R 10-52/53-65-66	
- Additional information: For the wording of the listed risk phrases refer to section 16.

* **3 Hazards identification**

- Hazard description: Not applicable.
- Information pertaining to particular dangers for man and environment: Contact with skin and inhalation of aerosols/ vapours of the preparation should be avoided.
The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.
At long or repeated contact with skin it may cause dermatitis due to the degreasing effect of the solvent.
Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment
Repeated exposure may cause skin dryness or cracking
- Classification system: The classification was made according to the latest editions of international substances lists, and expanded upon from company and literature data.
- NFPA ratings (scale 0 - 4) Health = 2
Fire = 2
Reactivity = 0
- HMIS-ratings (scale 0 - 4) Health = 2
Fire = 2
Reactivity = 0

* **4 First aid measures**

- General information: Immediately remove any clothing soiled by the product.
- After inhalation: Supply fresh air; consult doctor in case of complaints.
- After skin contact: Immediately wash with water and soap and rinse thoroughly.
- After eye contact: Rinse opened eye for several minutes under running water. Then consult a doctor.
- After swallowing: Rinse out mouth and then drink plenty of water.
Do not induce vomiting; immediately call for medical help.
- Information for doctor:
- The following symptoms may occur: Headache
Dizziness
Dizziness

(Contd. on page 2)

USA

Material Safety Data Sheet

acc. to ISO/DIS 11014

Printing date 12/19/2005

Reviewed on 12/19/2005

Trade name: **Oil and Grease Remover Paste**

(Contd. of page 1)

* 5 Fire fighting measures

- Suitable extinguishing agents: CO₂, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- Special hazards caused by the material, its products of combustion or resulting gases: In certain fire conditions, traces of other toxic gases cannot be excluded, e.g.: Carbon monoxide (CO)
- Protective equipment: Wear self-contained respiratory protective device.

* 6 Accidental release measures

- Person-related safety precautions: Wear protective equipment. Keep unprotected persons away.
- Measures for environmental protection: Do not allow to enter sewers/ surface or ground water.
- Measures for cleaning/collecting: Pick up mechanically.
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
- Additional information: See Section 13 for disposal information.

* 7 Handling and storage

- Handling:
- Information for safe handling: Store in cool, dry place in tightly closed receptacles.
- Storage:
- Requirements to be met by storerooms and receptacles: Store in a cool location.
- Information about storage in one common storage facility: Store away from foodstuffs.
- Further information about storage conditions: Protect from frost.
Store in dry conditions.

* 8 Exposure controls and personal protection

- Additional information about design of technical systems: No further data; see item 7.
- Components with limit values that require monitoring at the workplace: The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
- Additional information: The lists that were valid during the creation were used as basis.
- Personal protective equipment:
- General protective and hygienic measures: The usual precautionary measures for handling chemicals should be followed.
Keep away from foodstuffs, beverages and feed.
Immediately remove all soiled and contaminated clothing.
Wash hands before breaks and at the end of work.
Do not inhale gases / fumes / aerosols.
Avoid contact with the eyes and skin.
Do not eat, drink, smoke or sniff while working.
- Breathing equipment: Not necessary if room is well-ventilated.
- Protection of hands: Solvent resistant gloves
- Material of gloves: Nitrile rubber, NBR
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.
- 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: Safety glasses

(Contd. on page 3)

USA

Material Safety Data Sheet

acc. to ISO/DIS 11014

Printing date 12/19/2005

Reviewed on 12/19/2005

Trade name: **Oil and Grease Remover Paste**

(Contd. of page 2)

· Body protection: Protective work clothing

* 9 Physical and chemical properties

· General Information

Form: Pasty
 Color: Light grey
 Odor: Weak, characteristic

· Change in condition

Melting point/Melting range: Undetermined.
 Boiling point/Boiling range: Undetermined.

· Flash point: >22°C (>72°F)

· Auto igniting: Product is not selfigniting.

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

· Explosion limits:

Lower: 0.5 Vol %
 Upper: 6.5 Vol %

· Vapor pressure at 20°C (68°F): 2 hPa (2 mm Hg)

· Density at 20°C (68°F): ~ 1.4 g/cm³

· Solubility in / Miscibility with Water: Not miscible or difficult to mix.

10 Stability and reactivity

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

· Dangerous reactions No dangerous reactions known.

· Dangerous products of decomposition: No dangerous decomposition products known.

* 11 Toxicological information

· Acute toxicity:
 · Primary irritant effect:
 · on the skin: No irritant effect.
 · on the eye: No irritating effect.
 · Sensitization: No sensitizing effects known.

* 12 Ecological information

· Ecotoxicological effects:
 · Remark: Harmful to fish
 · General notes: Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
 Water hazard class 2 (Self-assessment): hazardous for water
 Harmful to aquatic organisms

* 13 Disposal considerations

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

(Contd. on page 4)

Material Safety Data Sheet

acc. to ISO/DIS 11014

Printing date 12/19/2005

Reviewed on 12/19/2005

Trade name: **Oil and Grease Remover Paste**

(Contd. of page 3)

- Uncleaned packagings:
- Recommendation: Disposal must be made according to official regulations. Empty contaminated packagings thoroughly. They can be recycled after thorough and proper cleaning.

* **14 Transport information**

- DOT regulations:
- Hazard class: 3
- Identification number: UN1263
- Packing group: III
- Proper shipping name (technical name): PAINT
- Label: 3
- Land transport ADR/RID (cross-border):
- ADR/RID class: -
- Maritime transport IMDG:
- IMDG Class: -
- Marine pollutant: No
- Air transport ICAO-TI and IATA-DGR:
- ICAO/IATA Class: 3
- UN/ID Number: 1263
- Label: 3
- Packaging group: III
- Proper shipping name: PAINT

* **15 Regulations**

- Sara
- Section 355 (extremely hazardous substances):
None of the ingredient is listed.
- Section 313 (Specific toxic chemical listings):
None of the ingredients is listed.
- TSCA (Toxic Substances Control Act):
21645-51-2 aluminium hydroxide
7631-86-9 silicon dioxide, chemically prepared
57-11-4 stearic acid, pure
8001-79-4 Castor oil
- Proposition 65
- Chemicals known to cause cancer:
None of the ingredients is listed.
- Chemicals known to cause reproductive toxicity for females:
None of the ingredients is listed.
- Chemicals known to cause reproductive toxicity for males:
None of the ingredients is listed.
- Chemicals known to cause developmental toxicity:
None of the ingredients is listed.
- Carcinogeny categories
- EPA (Environmental Protection Agency)
71-43-2 benzene: A
- IARC (International Agency for Research on Cancer)
7631-86-9 silicon dioxide, chemically prepared: 3
71-43-2 benzene: 1
- NTP (National Toxicology Program)
71-43-2 benzene: K
- TLV (Threshold Limit Value established by ACGIH)
71-43-2 benzene: A1

(Contd. on page 5)

Material Safety Data Sheet

acc. to ISO/DIS 11014

Printing date 12/19/2005

Reviewed on 12/19/2005

Trade name: **Oil and Grease Remover Paste**

(Contd. of page 4)

- **MAK (German Maximum Workplace Concentration)**

71-43-2 benzene: 1

- **NIOSH-Ca (National Institute for Occupational Safety and Health)**

71-43-2 benzene

- **OSHA-Ca (Occupational Safety & Health Administration)**

71-43-2 benzene

- **Product related hazard informations:**

Observe the general safety regulations when handling chemicals.
The product is not subject to identification regulations according to directives on hazardous materials.

- **Risk phrases:**

Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment
Repeated exposure may cause skin dryness or cracking

- **Safety phrases:**

Keep out of the reach of children.
Do not breathe fumes
Avoid contact with skin and eyes.
In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
Do not empty into drains, dispose of this material and its container at hazardous or special waste collection point
Wear suitable protective clothing and gloves.
If swallowed, seek medical advice immediately and show this container or label.

- **National regulations:**

- **Water hazard class:**

Water hazard class 2 (Self-assessment): hazardous for water.

* 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.

- **Department issuing MSDS:**

Laboratory

- **Contact:**

Dieter Zimmermann

- *** Data compared to the previous version altered.**