

Material Safety Data Sheet

According to 91/155 EEC

Printing date 20.08.2004

Reviewed on 20.08.2004

* 1 Identification of substance:

· **Product details:**

- **Trade name:** COSMOFEN 20 - PVC-Reiniger -
- **Application of the substance / the preparation:** Cleaning material/ Detergent
- **Manufacturer/Supplier:** Weiss Chemie + Technik GmbH & Co.KG
Hansastr.2
D-35708 Haiger Tel.: ++49 (0)2773 / 815-0
- **Informing department:** Product safety department.
- **Emergency information:** Giftinfo Mainz
Poison Information Center Mainz
++49 -(0)6131 - 19240

* 2 Composition/Data on components:

· **Chemical characterization**

- **Description:** Mixture of the substances listed below with harmless additions.

· **Dangerous components:**

CAS: 64742-49-0	Naphtha (petroleum), hydrotreated light	50-100%
EINECS: 265-151-9 Xn, F, N; R 11-38-51/53-65-67		
CAS: 67-63-0	propan-2-ol	10-25%
EINECS: 200-661-7 Xi, F; R 11-36-67		
CAS: 110-54-3	hexane	2.5-5%
EINECS: 203-777-6 Repr. Cat. 3; Xn, F, N; R 11-38-48/20-62-51/53-65-67		
· Additional information	For the wording of the listed risk phrases refer to section 16.	

3 Hazards identification

- **Hazard designation:** Xn Harmful
F Highly flammable
N Dangerous for the environment
- **Information pertaining to particular dangers for man and environment**
- R 11 Highly flammable.
R 38 Irritating to skin.
R 51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R 65 Harmful: may cause lung damage if swallowed.
R 67 Vapours may cause drowsiness and dizziness.
- **Classification system** The classification is in line with current EC lists. It is expanded, however, by information from technical literature and by information furnished by supplier companies.

4 First aid measures

- **General information** Take affected persons out of danger area and instruct to lie down. Instantly remove any clothing soiled by the product.
- **After inhalation** Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist.
In case of unconsciousness bring patient into stable side position for transport.
- **After skin contact** Instantly wash with water and soap and rinse thoroughly.
If skin irritation continues, consult a doctor.
- **After eye contact** Rinse opened eye for several minutes under running water. Then consult doctor.

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· **After swallowing** Do not induce vomiting; instantly call for medical help.

5 Fire fighting measures

- **Suitable extinguishing agents** CO₂, extinguishing powder or water jet. Fight larger fires with water jet or alcohol-resistant foam.
- **For safety reasons unsuitable extinguishing agents** Water with a full water jet.
- **Special hazards caused by the material, its products of combustion or flue gases:** Formation of toxic gases is possible during heating or in case of fire.
- **Protective equipment:** Wear self-contained breathing apparatus.
Wear full protective suit.
- **Additional information** Cool endangered containers with water spray jet.

6 Accidental release measures

- **Person-related safety precautions:** Wear protective equipment. Keep unprotected persons away.
Ensure adequate ventilation
Keep away from ignition sources
- **Measures for environmental protection:** Do not allow product to reach sewage system or water bodies.
Prevent material from reaching sewage system, holes and cellars.
Inform respective authorities in case product reaches water or sewage system.
- **Measures for cleaning/collecting:** Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Ensure adequate ventilation.

7 Handling and storage

- **Handling**
- **Information for safe handling:** Ensure good ventilation/exhaustion at the workplace.
Ensure good interior ventilation, especially at floor level. (Fumes are heavier than air).
Prevent formation of aerosols.
- **Information about protection against explosions and fires:** Keep ignition sources away - Do not smoke.
Protect against electrostatic charges.
- **Storage**
- **Requirements to be met by storerooms and containers:** Store in cool location.
Provide solvent resistant, sealed floor.
Store only in the original container.
- **Information about storage in one common storage facility:** Store away from oxidizing agents.
- **Further information about storage conditions:** Store in cool, dry conditions in well sealed containers.

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* 8 Exposure controls and personal protection

· **Additional information about**

design of technical systems: No further data; see item 7.

· **Components with critical values that require monitoring at the workplace:**

67-63-0 propan-2-ol

OES Short-term value: 1250 mg/m³, 500 ppm

Long-term value: 999 mg/m³, 400 ppm

110-54-3 hexane

OES Long-term value: 72 mg/m³, 20 ppm

· **Additional information:** The lists that were valid during the compilation were used as basis.

· **Personal protective equipment**

· **General protective and hygienic measures**

Instantly remove any soiled and impregnated garments.

Wash hands during breaks and at the end of the work.

Keep away from foodstuffs, beverages and food.

Do not inhale gases / fumes / aerosols.

Avoid contact with the eyes and skin.

· **Breathing equipment:**

Use breathing protection in case of insufficient ventilation.

Filter A.

· **Protection of hands:**

Solvent resistant gloves

· **Material of gloves**

Nitrile rubber, NBR

Recommended thickness of the material: ≥ 0.35 mm

· **Penetration time of glove material**

Value for the permeation: Level ≥ 6 ; ≥ 480 min

The determined penetration times according to EN 374 part III are not performed under practical conditions. Therefore a maximum wearing time, which corresponds to 50% of the penetration time, is recommended.

· **Eye protection:**

Tightly sealed safety glasses.

· **Body protection:**

Protective work clothing.

9 Physical and chemical properties:

· **General Information**

Form: Fluid
Colour: Colourless
Smell: Characteristic

· **Change in condition**

Melting point/Melting range: Not determined

Boiling point/Boiling range: 82°C

· **Flash point:** -14°C

· **Ignition temperature:** 260°C

· **Self-inflammability:** Product is not selfigniting.

· **Danger of explosion:** Product is not explosive. However, formation of explosive air/steam mixtures is possible.

· **Critical values for explosion:**

Lower: 1.0 Vol %

Upper: 6.5 Vol %

· **Steam pressure at 20°C:** 85 hPa

· **Density at 20°C** ca. 0.71 g/cm³

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- **Solubility in / Miscibility with Water:** Not miscible or difficult to mix
- **Solvent content:**
- **Organic solvents:** ca. 99 %

10 Stability and reactivity

- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Dangerous reactions** Forms explosive gas mixture with air
Reacts with strong oxidizing agents
- **Dangerous products of composition:** Inflammable gases/vapours

* 11 Toxicological information

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

64742-49-0 Naphtha (petroleum), hydrotreated light

- Oral LD50 >2000 mg/kg (rat)
- Dermal LD50 >2000 mg/kg (kan)
- Inhalative LC50/4 h >5 mg/l (rat)

67-63-0 propan-2-ol

- Oral LD50 5840 mg/kg (rat)
- Dermal LD50 13400 mg/kg (rab)
- Inhalative LC50/4 h 30 mg/l (rat)

- **Primary irritant effect:**
- **on the skin:** Irritant for skin and mucous membranes.
- **on the eye:** Irritant effect.
- **Sensitization:** No sensitizing effect known.

- **Additional toxicological information:** The product shows the following dangers according to the calculation method of the General EC Classification Guidelines for Preparations as issued in the latest version:
Harmful
Irritant

12 Ecological information:

- **General notes:** Also poisonous for fish and plankton in water bodies.
Water hazard class 1 (Self-assessment): slightly hazardous for water.
Do not allow undiluted product or large quantities of it to reach ground water, water bodies or sewage system.

13 Disposal considerations

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

· **European waste catalogue**

- 07 00 00 WASTES FROM ORGANIC CHEMICAL PROCESSES
- 07 01 00 wastes from the manufacture, formulation, supply and use (MFSU) of basic organic chemicals
- 07 01 04 other organic solvents, washing liquids and mother liquors

- **Uncleaned packagings:**
- **Recommendation:** Packagings that cannot be cleaned are to be disposed of in the same manner as the product.
15 00 00: WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE

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SPECIFIED

15 01 00: packaging (including separately collected municipal packagingwaste)

15 01 01: paper and cardboard packaging

15 00 00: WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED

15 01 00: packaging (including separately collected municipal packagingwaste)

15 01 04: metallic packaging

14 Transport information
· Land transport ADR/RID and GGVS/GGVE (cross-border/domestic)

- **ADR/RID-GGVS/E Class:** 3 (F1) Flammable liquids.
- **Kemler Number:** 33
- **UN-Number:** 1993
- **Packaging group:** II
- **Label** 3
- **Designation of goods:** 1993 FLAMMABLE LIQUID, N.O.S. (Naphtha (petroleum), hydrotreated light, ISOPROPANOL (ISOPROPYL ALCOHOL)), special provision 640D

· Maritime transport IMDG/GGVSea:

- **IMDG/GGVSea Class:** 3
- **UN Number:** 1993
- **Label** 3
- **Packaging group:** II
- **EMS Number:** F-E, S-E
- **Marine pollutant:** No
- **Correct technical name:** FLAMMABLE LIQUID, N.O.S. (Naphtha (petroleum), hydrotreated light, ISOPROPANOL (ISOPROPYL ALCOHOL))

· Air transport ICAO-TI and IATA-DGR:

- **ICAO/IATA Class:** 3
 - **UN/ID Number:** 1993
 - **Label** 3
 - **Packaging group:** II
 - **Correct technical name:** FLAMMABLE LIQUID, N.O.S. (Naphtha (petroleum), hydrotreated light, ISOPROPANOL (ISOPROPYL ALCOHOL))
-

15 Regulatory information**· Designation according to EC guidelines:**

The product has been classified and labelled in accordance with EC Directives / Ordinance on Hazardous Materials (GefStoffV)
Observe the normal safety regulations when handling chemicals

· Code letter and hazard designation of product:

Xn Harmful
F Highly flammable
N Dangerous for the environment

· Hazard-determining components of labelling:

Naphtha (petroleum), hydrotreated light

· Risk phrases:

11 Highly flammable.
38 Irritating to skin.
51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

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|--------------------------|--|
| · Safety phrases: | 65 Harmful: may cause lung damage if swallowed. |
| | 67 Vapours may cause drowsiness and dizziness. |
| | 7/9 Keep container tightly closed and in a well-ventilated place. |
| | 16 Keep away from sources of ignition - No smoking. |
| | 23 Do not breathe fumes/aerosol. |
| | 24/25 Avoid contact with skin and eyes. |
| | 29/35 Do not empty into drains; dispose of this material and its container in a safe way. |
| | 33 Take precautionary measures against static discharges. |
| | 57 Use appropriate container to avoid environmental contamination. |
| | 61 Avoid release to the environment. Refer to special instructions/safety data sheets. |
| | 62 If swallowed, do not induce vomiting; seek medical advice immediately and show this container or label. |

· **National regulations**· **Technical instructions (air):**· **Class Share in %**· **III 50-100**· **Water hazard class:** Water hazard class 1 (Self-assessment): slightly hazardous for water.

16 Other information:

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- | | |
|-----------------------------|---|
| · Relevant R-phrases | 11 Highly flammable. |
| | 36 Irritating to eyes. |
| | 38 Irritating to skin. |
| | 48/20 Harmful: danger of serious damage to health by prolonged exposure through inhalation. |
| | 51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. |
| | 62 Possible risk of impaired fertility. |
| | 65 Harmful: may cause lung damage if swallowed. |
| | 67 Vapours may cause drowsiness and dizziness. |

· **Department issuing data specification sheet:**· **Contact:**

Environment protection department.

Herr F. Diehlmann

Herr R. Jankowiak

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