

Safety Data Sheet

according to Regulation (EC) No 1907/2006 (REACH), amended by 2020/878/EU

Issue: 1
(EU-GB)

Date of creation: 13.03.2024

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

1.1 Trade name:

Kontrastol

Art-no: 12449

1.2 Relevant identified uses of the substance/mixture and uses advised against

Application of the substance / the preparation Care product for touchstones

Uses advised against of the substance / the preparation All spraying applications

1.3 Details of the supplier of the safety data sheet

Manufacturer / Supplier

Köhler Special Chemicals

Nils Köhler

Geranienstraße 1

D-76751 Jockgrim

Phone: +49 (0) 7271/9896365

e-mail: koehler-special-chemicals@gmx.de

Website: www.koehler-special-chemicals.de

1.4 Emergency telephone number

This is an English-language document designed for the European region. For the emergency number and other country-specific data, please refer to the specific national versions of this safety data sheet.

Medical Emergency information in case of poisoning:

University Hospital Bonn, Poison Information Center - 24h - Phone: +49 (0) 228 19240 (advisory service in German language)

1.5 Further information obtainable from

Köhler-Special-Chemicals, Contact data see above

SECTION 2: Hazards information

2.1 Classification of the product/mixture according to Regulation (EC) No 1272/2006

Regulation (EC) No 1272/2008:

No classification/labelling according to the guideline

2.2 Labelling of the product/mixture according to Regulation (EC) No 1272/2006

Hazard pictograms:

Signal word: -

Hazard -

statements:

Precautionary -

statements:

Additional -

information:

Hazardous -

ingredients for

labelling:

2.3 Other hazards

Results of PBT- and vPvB assesment

PBT: not applicable.

vPvB: not applicable.

Endocrine disrupting properties

Does not contain an endocrine disruptor (EDC) in a concentration of $\geq 0,1\%$.

SECTION 3: Composition/information on ingredients

3.1 Substances

Not relevant (mixture)

3.2 Mixtures

Hazardous components of the mixture

Stoff:	EINECS:	CAS:	INDEX-No.:	REACH-No.:	Concentration:	Classification: EC 1272/2008(CLP):
White mineraloil	232-455-8	8042-47-5			> 50 %	-

(Full text of H-phrases: see section 16.)

3.3 Additional informations

Contains no SVHC substances

SECTION 4: First aid measures

4.1 Description of first aid measures

General informations No special measures required.

In case of unconscious, place and transport in stable side position.

After inhalation

Fresh air or oxygen; seek medical advice. In case of respiratory arrest or breathing irregularity artificial respiration or oxygen respiration and seek medical advice immediately. In case of unconsciousness place and transport in stable side position.

After skin contact

Remove any clothing soiled by the product immediately.

Wash off with water and soap.

After eye contact

After contact with the eyes, immediately rinse the open eyes 10 to 15 minutes under running water. Seek medical advice (oculist) if necessary.

After swallowing

Do not induce vomiting. Seek medical advice. In case of unconscious, place and transport in stable side position. Seek medical advice immediately.

Self protection

For accidents after swallowing it can be dangerous for First responders to give mouth-to-mouth resuscitation.

4.2 Most important symptoms and effects, both acut and delayed

Symptoms: No further relevant information available.

4.3 Indication of any immediate medical attention and special treatment needed

No further relevant information available.

SECTION 5: Firefighting measures

5.1 Extinguishing media:

suitable: Water-spray, Carbon dioxid (CO₂), foam, extinguishing powder

Unsuitable: Water with full jet

5.2 Special hazards arising from the substance or mixture

In case of fire, the following can be released: Carbon oxides (CO, CO₂).

5.3 Advice for firefighters

Protective equipment

Wear full protective suit with self-contained breathing apparatus.

Additional informations

Extinguishing measures in accordance to the surrounding conditions. To protect persons and to cool endangered containers using water spray. Remove undamaged containers from the danger zone if possible without risk.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation. Wear protective equipment. Remove persons to safety. Keep away unprotected persons. Contaminated surfaces become slippery and therefore do not run through leaked material.

6.2 Environment precautions

Inform respective authorities in case of seepage into water courses or sewage system. Do not allow to enter sewers/surface or ground water/ground or subsoil. Prevent from spreading (e.g. by damming-in or oil barriers).

6.3 Methods and material for containment and cleaning up

Absorb with liquid-binding material (e.g. sand, fused silica, universal-binder). Contaminated material has to be disposed as waste (see section 13). Clean contaminated surface thoroughly.

6.4 Referenco to other sections

See section 5 for information on fire hazards of the substance or mixture

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

Advice on safe handling

Keep containers/bottles tightly closed. The usual good standards of industrial hygiene should be maintained. Avoid contact with eyes and skin.

Technical measures

Avoid misting.

Notes on general hygiene at the workplace

Wash hands before breaks and at the end of work.

Additional information

None

7.2 Conditions for safe storage including any incompatibilities

Technical measures and conditions

Ensure good ventilation.

Packaging materials

Keep containers/bottles tightly closed. Use original containers/bottles only.

Requirements to be met by storerooms and receptacles

Observe official regulations on storage and handling of water hazardous substances.

Information about storage in one common storage facility

Keep away from strong oxidising materials.

Further information about storage conditions

No further relevant information available.

Storage class: 10 (Flammable liquids unless the Storage Class 3) (German guideline)

7.3 Specific end use(s)

See directions for use.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Ingredients with limit values that require monitoring at the workplace

Occupational exposure limits:

Substance:	CAS:	Origin:	Occupational exposure limit value	Peak:	Remarks:
-	-	-	-	-	-

Common exposure limits:

Substance:	CAS:	Origin:	Occupational exposure limit value	Peak:	Remarks:
-	-	-	-	-	-

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

DNELs

8042-47-5 white mineral oil

Inhalativ-Aerosol DNEL (worker) 160 mg/m³/8h (Long-term; systemic-effects)

Dermal DNEL (worker) 220 mg/kg/8h (long term; systemic-effects)

8.2 Exposure controls

General protective and hygiene measures

Keep away from foodstuffs, beverages and feed. Immediately remove all soiled and contaminated clothing. Wash hands before breaks and the end of work. Avoid contact with eyes and skin.

Personal protective equipment

Minimum standards for protective measures when handling working substances are listed in TRGS 500.

Breathing equipment

There is no oil mist/aerosol formation during normal handling of Kontrastol. Therefore no respiratory protection is required. Respiratory protection is required in the event of accidents or unintentional oil mist/aerosol formation. Respiratory filter device (face mask according to EN 136) with filter A (against organic gases with boiling point > 65 °C, identification colour: brown) (according to EN 14387).

Protection of hands

The gloves must comply with EN 374-3.

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

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

Material of gloves

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

be observed.

Gloves for the permanent contact are suitable of the following materials:

Recommended thickness: ≥ 0.7 mm Fluorocarbon rubber (Viton), ≥ 0.5 mm Polyvinylchloride (PVC)

Value for the permeation: Level ≥ 480 min

Not suitable: Natural rubber (latex)

Further protection measures

Take recovery periods for skin regeneration. Preventive skin protection (barrier creams/ointments) is recommended.

Eye protection

Safety glasses recommended during decanting/refilling according EN 166.

Body protection

When handling large quantities of oil, wear oil-resistant protective clothing

Environmental exposure controls

see section 7. There are no further action is required.

8.3 Exposure scenario

none

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance

Form: liquid

Color: colourless, clear

Odour: none

Safety relevant basic data

	Parameter	Value	Unit	Remark
Density:	at °C: 20	approx. 0,85	g/cm ³	
pH:				not applicable
Melting point / -range:				No data available
Initial boiling point/boiling range				No data available
Flashpoint		> 100	°C	
Ignition properties:				not applicable
Upper ignition limits				not applicable
Upper igniton limits				not applicable
Explosiv properties				not explosive
Upper explosive limits				No data available
Upper explosive limits				No data available
Auto-ignition temperature				not applicable
Decomposition temperature				No data available
Oxidising properties				No data available
Vapour pressure				No data available
Vapour density				No data available
Evaporation rate				No data available
Solubility in water				not miscible
Partition coefficient				No data available
n-octanol/water				
Viscosity:	40°C	> 20,5	cst	Kinematic viscosity
Value of solvents:				
- organic solvents				0,0 %

9.2 Additional information

No further relevant information available.

SECTION 10: Stability and reactivity

10.1 Reactivity

Product is inert

10.2 Chemical Stability

Product is stable

10.3 Possibility of hazardous reactions

No further relevant information available.

10.4 Conditions to avoid

No further relevant information available.

10.5 Incompatible materials

No further relevant information available.

10.6 Hazardous decomposition products

In case of fire, the following can be released: Carbon oxides (CO, CO₂).

10.7 Additional information

No further relevant information available.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

No data available for the mixture.

Acute Toxicity

Substance:	CAS.:	Toxicological ngaben
White mineraloil	8012-95-1	Oral LD50 > 5000mg/kg (rat) Dermal LD50 >2000 mg/kg (rabbit) Inhalative LC50/4h >5000 mg/m ³ (Aerosol) (rat)

Primary irritant effect

On the skin

No irritation on skin and mucous membrans.

On the eye

No irritation on eyes.

After inhalation

No irritation under normal conditions.

Sensitisation

No sensitizing effects known.

Specific target-organ toxicity (STOT)

Single exposure – based on available data, the classification criteria are not met.

Repeated exposure - based on available data, the classification criteria are not met.

Aspiration hazard

Is not to be classified as an aspiration hazard.

CMR-effects

Carcinogenity

No effects known.

Mutagenicity

No effects known.

Reproductiv toxicity

No effects known.

Endocriens

No ingredient is listed.

11.2 General remarks

No further relevant information available.

SECTION 12: Ecological information

12.1 Information on toxicological effects

No data available for the mixture.

Acute aquatic toxicity

Substance:	CAS:	Ecotoxicity
White mineral oil	8042-47-5	EL50 (48h) > 100 mg/l (Pseudokirchnerella subcapitata) (OECD 201) EL50 (48h) > 100 mg/l (Daphnia magna) (OECD 0202) LL50 (96h) > 100 mg/l (Oncorhynchus mykiss) (OECD 0203)

Chronic aquatic toxicity

Substance:	CAS:	Ecotoxicity
White mineral oil	8042-47-5	NOEL (21d) 10 mg/l (Daphnia magna) (OECD 0211) NOEL (21d) > 1000 mg/l (Fisch (Oncorhynchus mykiss))

12.2 Persistence and degradability

No relevant information available.

12.3 Bioaccumulative potential

No indication of bioaccumulation potential.

12.4 Mobility in soil

No relevant information available.

12.5 Results of PBT- and vPvB-assessment

Not applicable

12.6 Endocriens

No ingredient is listed.

12.7 Additional ecological information

Do not allow product to enter ground water, water bodies or sewage system, ground or subsoil.

12.8 Additional information

Water hazard class 1 (German Regulation)(Self-assessment): slightly hazardous to water.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Recommondation

Chemicals must be disposed of in compliance with the respectiv national regulations.

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

Waste disposal key number

Since 01.01.1999 the waste code numbers have not only been product-related but are also essentially application-related.

13 00 00 OIL WASTES AND WASTES OF LIQUID FUELS (except edible oils, and those in chapters 05, 12 and 19)

13 08 oil wastes not otherwise specified

Uncleaned packagings

Disposal must be made according to official regulations.

SECTION 14: Transport informations

No hazardous goods according to the regulations

14.1 UN-Number

ADR, IMDG, ICAO-TI: -

14.2 Proper shipping name

ADR: -

IMDG: -

ICAO-TI: -

14.3 Transport hazard class(es)

ADR:

Class: -

Label: -

IMDG, ICAO-TI:

Class: -

Label: -

14.4 Packaging group

ADR, IMDG, ICAO-TI: -

14.5 Environmental hazards

Product contains environmental hazards: -

Marine pollutant: no

Special marking (ADR): -

14.6 Special precautions for user

Warning: -

Danger code (Kemler): -

EMS-Number: -

Segregation groups: -

14.7 Transport in bulk according to Annex II of Marpol 73/78 and the IBC Code

Not applicable

14.8 Additional information

ADR:

Limited quantities (LQ): -

Excepted quantities (EQ): -

Transport category (TC): -

Tunnel restriction code (TRC): -

IMDG:

Limited quantities (LQ): -

Excepted quantities (EQ): -

SECTION 15: Regulatory information

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

EU-Regulations

1999/13/EG on the limitation of emissions of volatile organic compounds due to the use of organic solvents in certain activities and installations

Not relevant

2037/2000/EG on Substances which damage the ozone layer

Not relevant

850/2004/EG on Persistent Organic Pollutants

Not relevant

689/2008/EG on the export and import of dangerous chemicals

Not relevant

648/2004/EG on detergents

Not relevant

1148/2019/EG on the marketing and use of explosives precursors

Not relevant

2012/18/EU - Restrictions according title VIII of Regulation

Named dangerous substances - Annex I: none of the ingredients is included.

1907/2006/EG - Restrictions according title VIII of Regulation

none of the ingredients is listed

Substances of very high concern (SVHC) according REACH, Article 57

none of the ingredients is listed

Notes on employment restriction

Observe employment restrictions for young people according to Directive 94/33/EC and the corresponding national regulations.

Other regulations, restrictions and prohibitions

No further informations available

National regulations

Must be observed

Storage class according VCI (German guideline)

Class 10 (Flammable liquids unless the Storage Class 3)

15.2 Chemical Safety Assessment

A chemical safety assessment has not been carried out for this mixture.

Chemical safety assessments for substances in this mixture have not been carried out.

SECTION 16: Other informations

16.1 Hazard statements under section 3

Complete wording of hazard statements and risk phrases (H-phrases) mentioned in section 3. These phrases refer to the constituents. The labelling for this product is stated in section 2.

16.2 Additional 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.

16.3 Origin of datas

Information taken from reference works and literature as well as the manufacturer's instructions.

16.4 Abbreviations and acronyms

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

ICAO: International Civil Aviation Organization

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 Harmonized System of Classification and Labelling of Chemicals

CLP: Classification, Labelling and Packaging (Regulation (EC) No. 1272/2008)

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINECS: European List of Notified Chemical Substances

GefStoffV: Gefahrstoffverordnung (Ordinance on Hazardous Substances, Germany)

VCI: Verband der chemischen Industrie (German Chemical Industry Association, Germany)

DNEL: Derived No-Effect Level (REACH)

PNEC: Predicted no-Effect Concentration (REACH)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

LL50 : = LC50

SVHC: Substance of Very High Concern

PBT: Persistent, Bioakkumulierend, Toxisch

vPvB: very Persistent and very Bioaccumulative

* Data compared to the previous issue altered.