

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

1.1 Product Identifier

Product Name: GRAFO-G
 Product Number: 0966
 Product Type: Mixture
 Use of mixture: Grafitti Remover

For professional use only.

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

Identified Uses

Grafitti remover – manual and semi-manual processes.

Uses advised against

None known.

1.3 Details of the supplier of the safety data sheet

CEBE Reinigungschemie GmbH
 Ruhrstrasse 47
 22761 Hamburg
 Germany

Telephone: +49.40.851 82 -0 Telefax: +49.40.851 82 29 Email: info@cebechem.com
 Responsible/issuing person: Dr. Jan M. Reimers

1.4 Emergency telephone number

Emergency telephone number: +49.40.851 82 -0 (Mo. – Th. 8:00 to 16:45, Fr. 8:00 to 15:30)

2. Hazards identification

➤ 2.1 Classification of the substance or mixture

Product definition: mixture

Classification according to Regulation (EU) No. 1272/2008 (CLP)

Hazard class and hazard category	Hazard statements
Flam. Liq. 3	H226
Eye Dam. 1	H318
Skin Sens. 1	H317
Skin Irrit. 2	H315
Aquatic Acute 1	H400
Aquatic Chronic 1	H410

See section 11 for more detailed information on health effects and symptoms.

➤ 2.2 Label elements

Labelling according to Regulation (EU) No. 1272/2008

Hazard symbol(s):



Signal Word: Danger.

Hazard Statements:	H226 H318 H317 H315 H400 H410 EUH066	Flammable liquid and vapour. Causes serious eye damage. May cause an allergic skin reaction. Causes skin irritation. Very toxic to aquatic life. Very toxic to aquatic life with long lasting effects. Repeated exposure may cause skin dryness or cracking.
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Precautionary Statements:

Prevention:	P210 P233 P273 P280	Keep away from heat/sparks/open flames/hot surfaces. — No smoking. Keep container tightly closed. Avoid release to the environment. Wear protective gloves/protective clothing/eye protection/face protection.
Reaction:	P303+P361+P353 P370+P378 P305+P351+P338 P333+P313 P391	IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. In case of fire: Use water CO2 for extinction. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If skin irritation or rash occurs: Get medical advice/attention. Collect spillage.
Storage:	P403+P235	Store in a well-ventilated place. Keep cool.
Disposal:	P501	Dispose of contents/container to a specialized establishment.

Additional labelling elements: None.

2.3 Other hazards

Other hazards that do not lead to a classification: Not applicable.

3. Composition/information on ingredients

3.2 Mixtures

Hazardous Components	Identifiers	Wt.-%	Classification (EU) 1272/2008

2-Methoxy-methylethoxy-propanol	REACH# : 01-2119450011-60 EG: 252-104-2 CAS: 34590-94-8	10 – 20%	Nicht eingestuft Hat AGW
Isotridecanol, ethoxylated <= 5EO	CAS: 69011-36-5	10 – 20%	Eye Dam. 1, H318
Etheric Oil	REACH# : 01-2119493353-35-0003 EG: 232-433-8 CAS : 8028-48-6	10 – 20%	Flam. Liq. 3 , H226 Skin Irrit. 2, H315 Skin Sens. 1 , H317 Aquatic Acute 1, H400 Aquatic chronic 1, H410 Asp. Tox. 1, H304
Hydrocarbons, C9-C11, n-Alkanes, Isoalkanes, Cyclenes	REACH#: 01-2119463258-33 EG: 919-857-5	5 – 10%	Flam. Liq. 3, H226 STOT SE3, H336 Asp. Tox. 1, H304
Hydrocarbons, C9-C11, Isoalkanes, Cycloalkanes	REACH#: 01-2119480153-44 EG: 920-134-1	1 – 5%	Flam. Liq. 3, H226 STOT SE3, H336 Asp. Tox. 1, H304 Aquatic Chronic 2, H411
See section 16 for the full wording of the above mentioned H-phrases.			

At the time of creation of this data sheet no further ingredients were classified as hazardous to health or environment or were contained in concentrations that did not mandate their mention in this section.

4. First aid measures

4.1 Description of first aid measures

Eye contact: Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention if adverse health effects persist or are severe.

Inhalation: Remove victim to fresh air and keep at rest in a position comfortable for breathing. In the absence or irregular breathing, or if respiratory arrest occurs provide artificial respiration by trained personnel or oxygen. For the first person providing aid it can be dangerous to give mouth-to-mouth resuscitation. Get medical attention if adverse health effects persist or are severe. If unconscious, place in recovery position and seek immediate medical attention. Maintain an open airway. Loosen tight clothing (eg. collar, tie, belt, or waistband).

Skin contact: Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Continue to rinse for at least 15 minutes. Get medical attention if adverse health effects persist or are severe. Wash clothing before reuse. Thoroughly clean shoes before reuse

Ingestion: Wash out mouth with water. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.

Protection of first-aiders: No action shall be taken involving any personal risk or without suitable training. For the first person providing aid it can be dangerous to give mouth-to-mouth resuscitation.

4.2 Most important symptoms and effects, both acute and delayed

Potential acute health effects

Eye contact: Risk of serious damage to eyes.

Inhalation: No known significant effects or critical hazards.

Skin contact: Irritating to skin. May cause sensitization by skin contact. Repeated exposure may cause skin dryness or cracking.

Ingestion: No known significant effects or critical hazards.

Signs / symptoms of overexposure

Eye contact: Possible symptoms: pain or irritation, lacrimation, redness.

Inhalation: No specific data.

Skin contact: Adverse symptoms may include irritation, redness, rash.

Ingestion: No specific data.

4.3 Indication of any immediate medical attention and special treatment needed

Indications for the physician: Treat symptomatically. If larger amounts have been swallowed or inhaled consult specialist for poisoning.

Special treatment: No special treatment.

5. Fire fighting measures

5.1 Extinguishing media

Suitable extinguishing media: Dry chemicals, CO₂, water spray use (fog) or foam. Fight larger fires with water spray or alcohol resistant foam.

Unsuitable extinguishing media: Do not use water jet.

5.2 Special hazards arising from the substance or mixture

Hazards from the substance or mixture: Flammable liquid. During fire or if heated, a pressure increase occurs and the container may burst, causing an explosion hazard. Runoff to sewer may create fire or explosion hazard.

Hazardous combustion products: Decomposition products may include the following materials: carbon dioxide, carbon monoxide.

5.3 Advice for firefighters

Special precautions for fire-fighters: In case of fire the scene cordon immediately removing all persons from the danger area. No action shall be taken involving any personal risk or without suitable training. Move containers from fire area if safe to do so. Spray fire-exposed containers with water to cool.

Special protective equipment for firefighters: Fire fighters should wear proper protective equipment.

6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

For persons that are not emergency technicians: No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from

entering. Do not touch or walk through spilled material. Avoid breathing vapor or mist. Ensure adequate ventilation. In case of insufficient ventilation wear suitable respiratory equipment. Put on appropriate personal protective equipment.

For first aid personnel in case of emergency: If protective equipment/clothing is needed in case of accidental release, Section 8 should be consulted for appropriate and inappropriate materials. See section 8 for further information on hygiene measures.

6.2 Environmental precautions

Avoid the proliferation and dispersal of spilled material and contact with soil, waterways, drains, and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

6.3 Methods and material for containment and cleaning up

Small amounts: Absorb with inert material and keep in suitable disposal containers.

Large amounts: Large spill: avoid entry into sewers, water courses, basements, or confined areas. Collect spilt material using non-flammable absorption agent (eg. sand, earth, vermiculite or diatomaceous earth) and hand it in for disposal according to local regulations in an appropriate container (see section 13).

6.4 Reference to other sections

See section 1 for contact information in case of emergency. See section 8 for information regarding personal protective equipment. See section 13 for further information about waste treatment/disposal.

7. Handling and storage

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any exposure scenario or when exposure scenarios on the available application-specific information.

7.1 Precautions for safe handling

Protective measures: Put on appropriate personal protective equipment (see Section 8). Do not swallow. Avoid contact with eyes, skin and clothing. Avoid breathing vapor or mist. Use only with adequate ventilation. In case of insufficient ventilation wear suitable respiratory equipment. Do not enter storage areas and confined spaces unless adequately ventilated. Keep in the original container or an approved alternative container, which was made from a compatible material. Kept tightly closed when not in use. Store away from heat, sparks, open flame or any other ignition source. Empty containers retain product residue and can be dangerous. Do not reuse container.

Advice on general occupational hygiene: Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. After use or contact with the substance immediately wash hands and face especially before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See Section 8 for additional information on hygiene measures.

7.2 Conditions for safe storage, including any incompatibilities

Store between the following temperatures: 0 to 40°C (32 to 104°F). Store in accordance with local regulations. Keep only in original container. Protect from direct sunlight. Store in a dry, cool and well-ventilated area, away from incompatible materials (see section 10) and do not store with food and drink. Hold container tightly closed and sealed until ready to use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate container to avoid environmental contamination.

7.3 Specific end use(s)

Recommendations: No information available.

8. Exposure controls/personal protection

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any exposure scenario or when exposure scenarios on the available application-specific information.

8.1 Control parameters

Occupational exposure limit values

Name of substance	Exposure limit value
2-Methoxy-methylethoxy-propanol	WEL 310 mg/m ³ , 50 ml/m ³
Etheric Oil	Germany: WEL long term: 110 mg/m ³ , 20 ppm WEL short term: 220 mg/m ³ , 40 ppm DFG long term: H,sH 28 mg/m ³ , 5ppm DFG short term: H,Sh 112 mg/m ³ , 20 ppm
C9-C15 Aliphates	WEL 600 mg/m ³ (2(II))

Recommended monitoring procedures

If this product contains ingredients with exposure limits, monitoring procedures are personal, (related to workplace) or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and / or the necessity to use respiratory protective equipment. Reference should be made to European Standard EN 689 for methods for the assessment of exposure by inhalation to chemical agents and national guidance documents for methods for the determination of hazardous substances.

Derived effect levels

Derived No Effect Level - DNEL values:

Etheric Oil

DNEL long-term, workers, dermal: 8.89 mg / kg bw / d

DNEL short time workers, dermal: 185.8 g / cm²

DNEL Long time workers, by inhalation: 31.1 mg / m³

DNEL long-term, consumer, oral: 4.44 mg / kg bw / d

DNEL long-term, consumer, by inhalation: 7.78 mg / m³

DNEL short-term, consumer, dermal: 92.9 g / cm²

Predicted effect concentrations

Predicted No Effect Concentration - PNEC:

Etheric Oil

PNEC water (freshwater): 5.4 mg / L

PNEC water (sea water): 0.54 mg / L

PNEC sediment (fresh water): 1.3 mg / kg dwt

PNEC sediment (sea water): 0.13 mg / kg dwt

PNEC soil: 0.262 mg / kg dwt

PNEC sewage treatment plant: 1.8 mg / L

PNEC oral, food: 3.33 mg / kg food

8.2 Limitation and monitoring of exposure

Appropriate technical controls: Use only with adequate ventilation. Process enclosures, local exhaust ventilation or other engineering controls be used to keep worker exposure to airborne contaminants below any recommended or statutory limits. The engineering controls also need to keep gas, vapor or dust concentrations below any lower explosive limits. Use explosion-proof ventilation equipment.

Personal protective measures

Hygiene measures: After handling chemical products and at the end of the working day as well as before eating, smoking and using the toilet thoroughly wash hands, forearms and face. Select appropriate techniques to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the work area.

Eye protection / face protection (EN 166): Goggles, chemical goggles or full-face shield.

Hand protection (EN 374): Protective gloves made of nitrile, for example, Camatril[®] 730 from KCL GmbH (see section 16). Penetration time > 8 hours.

Skin protection (EN 14605): Before handling this product the personal protective equipment should be selected on the basis of the task and the associated risks to be carried out and approved by a specialist.

Other skin protection: Appropriate footwear and any additional skin protection measures based on the task being performed and the risks involved and should be approved by a specialist.

Respiratory protection (EN 143, 14387): With danger of inhaling: Half mask with combination filter for organic vapors and particles. If workers are exposed to concentrations above the exposure limit, they must use appropriate, certified respirators.

Thermal hazards: Not applicable.

Delimitation and monitoring of the environmental exposition: Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

9. Physical and chemical properties

➤ 9.1 Information on basic physical and chemical properties

- a) **Appearance:** **Form:** gel **Color:** yellowish
- b) **Odor:** pleasant
- c) **Odor threshold:** Not determined for this mixture – product is not toxic
- d) **pH:** Not applicable – product is non-aqueous
- e) **Freezing/melting point:** <0°C
- f) **Boiling point/boiling range:** >60°C
- g) **Flash point:** > 25 - < 35 °C
- h) **Evaporation rate:** Not determined for this mixture – not relevant to classification

- i) **Flammability (solid, gas):** Not applicable – product is liquid
- j) **Upper/lower explosion limit:** Not determined for this mixture – not relevant to classification
- k) **Vapor pressure:** Not determined for this mixture – not relevant to classification
- l) **Relative vapor density:** Not applicable – product is a liquid
- m) **Density:** 0.900 – 0.920 g/cm³
- n) **Solubility** easily soluble in the following substances: water
- o) **partition coefficient:** n-octanol/water: Not determined for this mixture – not relevant to classification
- p) **Ignition temperature:** Not determined for this mixture – not relevant to classification
- q) **Thermal decomposition:** Not determined for this mixture – not relevant to classification
- r) **Viscosity, dynamic:** > 20 mm²/s (40°C)
- s) **Explosive properties:** Not applicable - product is not an explosive
- t) **Oxidizing properties:** Not determined for this mixture – not relevant to classification

9.2 Other information

No further information available.

10. Stability and reactivity

10.1 Reactivity

For this product or its ingredients No specific test data related to reactivity.

10.2 Chemical stability

The product is stable.

10.3 Possibility of hazardous reactions

Under normal storage conditions and under normal use will not occur dangerous reactions.

10.4 Conditions to avoid

All possible sources of ignition (spark or flame). Do not pressurize, cut, weld, solder, drill, grind or expose containers to heat or sources of ignition.

10.5 Incompatible materials

No specific data.

10.6 Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

11. Toxicological information

11.1 Information on toxicological effects

a) acute toxicity:

Name of Substance	Result	Species	Dose	Exposition

2-Methoxy-methylethoxy-propanol	LD ₅₀ Oral LD ₅₀ Dermal LC ₅₀ Inhalativ	Rat Rat Rat	5,135 mg/Kg 9,500 mg/kg 55-60 ml/l	- - 4 hours
Isotridecanol, ethoxylated <= 5EO	LD ₅₀ Oral LD ₅₀ Dermal	Rat Rat	>2,000 mg/kg >2,000 mg/kg	- -
Etheric Oil	LD ₅₀ Oral LD ₅₀ Dermal	Rat Rabbit	>5,000 mg/kg >5,000 mg/kg	- -
Hydrocarbons, C9-C11, n-Alkanes, Isoalkanes, Cyclenes	LD ₅₀ Oral LC ₅₀ Inhalative LD ₅₀ Dermal	Rat Rat Rabbit	>5,000 mg/kg >5 mg/kg >5,000 mg/kg	- - -
Hydrocarbons, C9-C11, Isoalkanes, Cycloalkanes	LD ₅₀ Oral LD ₅₀ Inhalative LD ₅₀ Dermal	Rat Rat Rabbit	>5,000 mg/kg >5 mg/kg >5,000 mg/kg	- - -

Conclusion/Summary: Not determined for this mixture.

b) Irritation to skin; c) Irritation to eyes; d) Sensitisation

Name of Substance	Result	Species	Points	Exposition	Observation
Isotridecanol, ethoxylated <= 5EO	Skin: Not an irritant	Rabbit	-	-	-
	Eyes: Causes severe eye damage	Rabbit	-	-	-
	Sensitization: not sensitizing	Guinea Pig	-	-	-
Etheric Oil	Skin: Irritant:	-	-	-	-
	Eye: Non-irritating	Rabbit	-	-	-
	Sensibilisierung: May cause sensitization by skin contact	-	-	-	-
	Ingestion: Harmful: may cause lung damage if swallowed.	-	-	-	-
Hydrocarbons, C9-C11, n-Alkanes, Isoalkanes, Cyclenes	Skin: Prolonged skin contact may defat the skin and dermatitis Eyes: Causes eye complaints but no	-	-	-	-

	damage to the eye tissue Sensitization: No sensitizing effect known	-	-	-	-
		-	-	-	-
Hydrocarbons, C9-C11, Isoalkanes, Cycloalkanes	Skin: Prolonged skin contact may defat the skin and dermatitis Eyes: Causes eye complaints but no damage to the eye tissue Sensitization: No sensitizing effect known	-	-	-	-
		-	-	-	-

Conclusion / Summary: Risk of serious damage to eyes. Irritating to the skin. May cause sensitization by skin contact. Repeated exposure may cause skin dryness or cracking.

e) Germ cell mutagenicity:

Conclusion / Summary: No known significant effects or critical hazards.

f) carcinogenicity:

Conclusion / Summary: No known significant effects or critical hazards.

g) reproductive toxicity:

Conclusion / Summary: No known significant effects or critical hazards.

h) specific target organ toxicity single exposure

Conclusion / Summary: No known significant effects or critical hazards.

i) specific target organ toxicity after repeated exposure

Conclusion / Summary: No known significant effects or critical hazards.

j) Aspiration hazard

Conclusion / Summary: No known significant effects or critical hazards.

Teratogenicity

Conclusion / Summary: No known significant effects or critical hazards.

Information on the likely routes of exposure: No known significant effects or critical hazards.

Potential acute health effects

Inhalation: No known significant effects or critical hazards.

Ingestion: No known significant effects or critical hazards.

Skin contact: Irritating to skin. May cause sensitization by skin contact. Repeated exposure may cause skin dryness or cracking.

Eye contact: Risk of serious eye damage.

Symptoms related to the physical, chemical and toxicological characteristics

Inhalation: No specific data.

Ingestion: No specific data.

Skin contact: Adverse symptoms may include irritation, redness, rash.

Eye contact: Adverse symptoms may include the following: pain or irritation, redness, tearing.

Delayed and immediate effects and also chronic effects from short and long term exposure

Short term exposure

Potential immediate effects: Not determined for the mixture.

Potential delayed effects: Not determined for the mixture.

Long-term exposure

Potential immediate effects: Not determined for the mixture.

Potential delayed effects: Not determined for the mixture.

Potential chronic health effects

Conclusion / Summary: Not determined for the mixture.

General: No known significant effects or critical hazards.

Carcinogenicity: No known significant effects or critical hazards.

Mutagenicity: No known significant effects or critical hazards.

Teratogenicity: No known significant effects or critical hazards.

Developmental effects: No known significant effects or critical hazards.

Fertility effects: No known significant effects or critical hazards.

Other information: Not determined for the preparation.

12. Ecological information

12.1 Toxicity

Name of substance	Result	Species	Exposition
2-Methoxy-methylethoxy-propanol	LC ₅₀ 969mg/l LC ₅₀ 1,919 mg/l LC ₅₀ >10,000 mg/l	Selenastrum capricornutum Daphnia Magna Pimephales promelas	96 hours 48 hours 96 hours
Isotridecanol, ethoxylated <= 5EO	LC ₅₀ >1-10 mg/l EC ₅₀ >1-10 mg/l EC ₅₀ >1-10 mg/l	Fish Daphnia Algae	96 hours 48 hours 72 hours
Etheric Oil	ErC ₅₀ 150 mg/L EC ₅₀ 0.67 mg/L LC ₅₀ 0.7 mg/L	Algae Daphnia Fish	72 hours 48 hours 96 hours
Hydrocarbons, C9-C11, n-Alkanes, Isoalkanes, Cyclenes	LL ₅₀ >1,000 mg/l EL ₀ 1,000 mg/l EL ₅₀ >1,000 mg/l	Fish Daphnia Algae	96 hours 48 hours -

	NOELR 100 mg/l	Algae	-
Hydrocarbons, C9-C11, Isoalkanes, Cycloalkanes	LL ₅₀ 3,6 mg/l EL ₅₀ >22-<46 mg/l EL ₅₀ 1.000 mg/l	Fish Daphnia Algae	96 hours 48 hours 72 hours

Conclusion/Summary: Not determined for this mixture.

12.2 Persistence and degradability

Conclusion/Summary: The surface active ingredients contained in this product are biologically degradable according to regulation 648/2004 EC.

12.3 Bioaccumulative potential

Conclusion/Summary: Not determined for this mixture.

12.4 Mobility in soil

Partition coefficient ground/water (K_{oc}): Not determined for this mixture.

Mobility: Not determined for this mixture.

12.5 Results of PBT and vPvB assessment

PBT: not applicable

vPvB: not applicable

12.6 Other adverse effects

No special effects or hazards known.

13. Disposal considerations

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any exposure scenario or when exposure scenarios on the available application-specific information.

Waste disposal according to EC Directives on waste and hazardous waste. Waste codes should be assigned by the user, preferably in collaboration with the waste disposal authorities.

13.1 Waste treatment methods

Product

Methods of disposal: The generation of waste should be avoided or minimized wherever possible. Empty containers or liners may retain some product residues. Material and its container must be disposed of in a safe way. Significant quantities of waste product residue should not be disposed of via the foul sewer but processed in a suitable effluent treatment plant. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Disposal of this product, solutions and any by-products should at all times comply with the environmental protection requirements and waste disposal legislation and the requirements of local authorities. Avoid the proliferation and dispersal of spilled material and contact with soil, waterways, drains and sewers.

Hazardous waste: According to the information available to the supplier at the time of creation/editing of this safety data sheet this product is regulated as hazardous waste in the sense of EU regulation 2008/98/EC.

Packaging

Methods of disposal: The generation of waste should be avoided or minimized wherever possible. Waste packaging should be recycled.

Special precautions: This material and its container must be disposed of in a safe way. Empty containers or

liners may retain some product residues. Avoid the proliferation and dispersal of spilled material and contact with soil, waterways, drains and sewers.

14. Transport information

	ADR/RID	ADR/ADNR	IMDG	IATA
14.1 UN Number	1993	1993	1993	1993
14.2 UN proper shipping name	FLAMMABLE LIQUID, N.O.S (Orange Oil)	FLAMMABLE LIQUID, N.O.S (Orange Oil)	FLAMMABLE LIQUID, N.O.S (Orange Oil)	FLAMMABLE LIQUID, N.O.S (Orange Oil)
14.3 Transport hazard class(es)	3 (F1)	3 (F1)	3	3
14.4 Packing group	III	III	III	III
14.5 Environmental hazards	Yes.	Yes.	Marine Pollutant.	Yes.
14.6 Special precautions for user	None.	None.	None.	None.

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code
 Not applicable.

Multiplier according to ADR / RID 1.1.6.3: 1

Tunnel restriction code: D/E

15. Regulatory information

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

EC-Regulation Nr. 1907/2006 (REACH)

Appendix XIV - Index of substances that require permission

Substances causing special concern: None of the ingredients is listed.

Appendix XVII – Restriction of the production, the distribution, and the use of specific hazardous substances, mixtures, and products: Not applicable.

Other EU-Regulations


Contents according to 648/2004 EC:

15 – 30% nonionic surfactants, 15 – 30% aliphatic hydrocarbons, perfume (d-limonene).

15.2 Chemical safety assessment

This product contains substances that still require substance assessments.

16. Other information

 Marks the information that was changed since the last version.

Abbreviations and acronyms:

ADN/ADNR = European agreement for the international transport of hazardous materials on inland waterways
ADR = European agreement for the international transport of hazardous materials on roads
ATE = Estimation acute toxicity
BCF = Bio concentration factor
CLP = Regulation concerning the classification, labeling, and packaging Verordnung über die Einstufung, Kennzeichnung und Verpackung [Regulation (EC) No. 1272/2008]
CAS = Chemical Abstracts Services Number
DNEL = Derived Non-Effect Level
DPD = Mixture regulation [1999/45/EG]
EC = European Commission
EG = EG-Nummer
EUH-Satz = CLP-specific hazard phrase
IATA = International Aviation Transport Association
IBC = Intermediate Bulk Container
IMDG = International Maritime Dangerous Goods Code
LogPow = Logarithm base-10 of the n-octanol:water partition coefficient
MARPOL 73/78 = International agreement from 1973 for the prevention of marine pollution caused by ships in the version of the protocol from 1978. ("Marpol" = marine pollution)
MAK = maximum workplace concentration
PBT = Persistent, bioaccumulating, and toxic
PNEC = Predicted No-Effect Concentration
REACH = Regulation concerning the Registration, Evaluation, Approval and Restriction of Chemical Substances [Regulation (EC) No. 1907/2006]
RID = Regulation for the transport of hazardous goods by railway
REACH # = REACH Registration number
vPvB = very persistent and very bioaccumulating

Full text of abbreviated H statements:

H226 Flammable liquid and vapor.
H304 May be fatal if swallowed and enters airways.
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H318 Causes serious eye damage.
H336 May cause drowsiness and dizziness.
H400 Very toxic to aquatic organisms.
H410 Very toxic to aquatic life with long lasting effects.
H411 Toxic to aquatic life with long lasting effects.

Full text of classifications [CLP / GHS]

Aquatic Acute 1 = AQUATIC HAZARD - Category 1
Aquatic Chronic 1 = AQUATIC HAZARD - Category 1
Aquatic Chronic 2 = aquatic environment - Category 2
Asp Tox 1 = ASPIRATION TOXICITY - Category 1
Eye Dam. 1 = SERIOUS EYE DAMAGE / EYE IRRITATION - Category 1
Flam. Liq. 3 = FLAMMABLE LIQUID - Category 3
Skin Irrit. 2 = SKIN CORROSION / IRRITATION - Category 2
Skin Sens 1 = SKIN SENSITIZATION -. Category 1
STOT SE 3 = SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) - Category 3

Manufacturer of protective gloves:

KCL GmbH
Industriepark Rhön
Am Kreuzacker 9
36124 Eichenzell
Germany
Tel. +49(0)659.87-0
www.kcl.de

GRAFO-G



The information above is based on the information and experienced of the date of issue. They do not have any type of characteristic assurance. They may not be changed or transposed to other products.

Always read and follow the instructions on the label.