

Replaces date: 03/03/2023 Revision date: 08/05/2023

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

1.1. Product identifier

Trade name: KRAMP COOLANT K11 -37°C

Unique Formula Identifier (UFI): 6H00-60WU-1009-TR9J

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

Recommended uses: Anti-freezing agents.

1.3. Details of the supplier of the safety data sheet

Supplier

Zip code:

Company: Kramp UK Ltd

Unit 5 Address:

Lancaster Way **SG18 8YL** Biggleswade

City: Country: **UNITED KINGDOM** E-mail: sales.uk@kramp.com Phone: +44(0)1767 602 600

1.4. Emergency Telephone Number

Members of the public: 111 (NHS 111 (Scotland: NHS 24)).

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

CLP-classification: Acute Tox. 4;H302

Eye Irrit. 2;H319 **STOT RE 2;H373**

Most serious harmful effects: Harmful if swallowed. Causes serious eye irritation. May cause damage to organs through

prolonged or repeated exposure. The product releases organic solvent vapours which may cause lethargy and dizziness. At high concentrations, the vapours may cause headache and intoxication. Can be absorbed through the skin causing symptoms such as dizziness and headache. The product contains a substance which is a suspected reproductive

hazard.



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2.2. Label elements

Pictograms



Signal word: Warning

Contains

Substance: ethanediol;

Hazard Statements

H302 Harmful if swallowed.H319 Causes serious eye irritation.

H373 May cause damage to organs through prolonged or repeated exposure.

Precautionary statements

P260 Do not breathe mist/vapours/spray.

P280 Wear protective gloves/protective clothing/eye protection/face protection.
P301+312 IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell.

P314 Get medical advice/attention if you feel unwell.

P330 Rinse mouth.

P337+313 If eye irritation persists: Get medical advice/attention.

P305+351+338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if

present and easy to do. Continue rinsing.

P501 Dispose of contents/container in accordance with local regulation.

2.3. Other hazards

The product does not contain any PBT or vPvB substances.

Endocrine disrupting properties: None known.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

| Substance | CAS No./ EC No./ REACH Reg. No. | Concentration | Notes | CLP-classification |
|--------------------------------|---|---------------|-------|---|
| ethanediol | 107-21-1 203-473-3 01-2119456816-28 | 25 - 50 % | | Acute Tox. 4;H302 STOT RE 2;H373 LC50 (vapour) (Acute toxicity - inhalation): > 2.5 mg/l LD50 (Acute toxicity - oral): 7712 mg/kg bw LD50 (Acute toxicity - dermal): > 3500 mg/kg bw |
| potassium 2- ethylhexanoate | 3164-85-0 221-625-7 01-2119980714-29 | 1 < 2.5 % | | Skin Irrit. 2;H315 Eye Dam. 1;H318 Repr. 2;H361d LD50 (Acute toxicity - dermal): > 2000 mg/kg bw LD50 (Acute toxicity - oral): 3640 mg/kg bw |
| Methyl-1H-benzotriazol | 29385-43-1 249-596-6 01-2119979081-35 | ≤ 0.25 % | | Acute Tox. 4;H302 Repr. 2;H361d Aquatic Chronic 2;H411 LD50 (Acute toxicity - oral): 720 mg/kg bw LD50 (Acute toxicity - dermal): > 2000 mg/kg bw |



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Please see section 16 for the full text of H- / EUH-phrases.

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation: Seek fresh air. Seek medical advice in case of persistent discomfort.

Ingestion: Wash out mouth thoroughly and drink 1-2 glasses of water in small sips. Seek medical

advice in case of discomfort.

Skin contact: Remove contaminated clothing. Wash the skin with water. Seek medical advice in case of

persistent discomfort.

Eye contact: Flush immediately with water (preferably using eye wash equipment) for at least 5 minutes.

Open eye wide. Remove any contact lenses. Seek medical advice.

General: When obtaining medical advice, show the safety data sheet or label.

4.2. Most important symptoms and effects, both acute and delayed

Harmful if swallowed. Irritating to eyes. Causes a burning sensation and tearing. May cause damage to organs through prolonged or repeated exposure. The product releases organic solvent vapours which may cause lethargy and dizziness. At high concentrations, the vapours may cause headache and intoxication. Can be absorbed through the skin causing symptoms such as dizziness and headache. The product contains a substance which is a suspected reproductive hazard.

4.3. Indication of any immediate medical attention and special treatment needed

No special immediate treatment required. Treat symptoms.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media: Extinguish with powder, foam or water mist. Use water or water mist to cool non-ignited

stock.

Unsuitable extinguishing

media:

Do not use water stream, as it may spread the fire.

5.2. Special hazards arising from the substance or mixture

The product decomposes when combusted and the following toxic gases can be formed: Carbon monoxide and carbon dioxide.

5.3. Advice for firefighters

Wear Self-Contained Breathing Apparatus (SCBA) with a chemical protection suit only where personal (close) contact is likely. Move containers from danger area if it can be done without risk. Avoid inhalation of vapour and flue gases - seek fresh air.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

For non-emergency personnel: Stay upwind/keep distance from source. Stop leak if this can be done without risk. Keep

unnecessary personnel away. Wear gloves. Wear respiratory protective equipment. Wear

safety goggles.

For emergency responders: In addition to the above: Protective suit equivalent to EN 368, type 3, is recommended.

6.2. Environmental precautions



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Prevent spillage from entering drains and/or surface water.

6.3. Methods and material for containment and cleaning up

Contain and absorb spill with sand or other absorbent material and transfer to suitable waste containers. Wipe up minor spills with a cloth.

6.4. Reference to other sections

See section 8 for type of protective equipment. See section 13 for instructions on disposal.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Running water and eye wash equipment must be available. Wash hands before breaks, before using restroom facilities, and at the end of work.

A workplace assessment must be conducted to ensure that employees are not exposed to effects that may involve a risk during pregnancy or when breastfeeding.

7.2. Conditions for safe storage, including any incompatibilities

Store safely, out of reach of children and away from food, animal feeding stuffs, medicines, etc. Store in a dry, cool, well-ventilated area. Keep in tightly closed original packaging. Do not expose to heat (e.g. sunlight). Do not store with the following: Acids/ Oxidisers.

7.3. Specific end use(s)

None

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational exposure limit

| Substance name | Time period | ppm | mg/m³ | fiber/cm3 | Remarks | Comments |
|----------------|-------------|-----|-------|-----------|-------------|----------|
| ethanediol | 8h | | 10 | | Particulate | Sk |
| ethanediol | 8h | 20 | 52 | | vapour | Sk |
| ethanediol | 15m | | | | Particulate | Sk |
| ethanediol | 15m | 40 | 104 | | vapour | Sk |

Sk = Can be absorbed through the skin.

Measuring methods: Compliance with the stated occupational exposure limits may be checked by occupational

hygiene measurements.

Legal basis: EH40/2005 Workplace exposure limits. Last amended January 2020.

PNFC

| 1 1120 | | | | |
|--|------------|-------------------|----------------------|------|
| ethanediol, cas-no 107-2 | 1-1 | | | |
| Exposure | Value | Assessment Factor | Extrapolation Method | Note |
| PNEC aqua (freshwater) | 10 mg/l | | | |
| PNEC aqua (marine water) | 1 mg/l | | | |
| PNEC aqua (intermittent releases) | | | | |
| PNEC STP (wastewater-treatment facilities) | 199,5 mg/l | | | |



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| PNEC soil | 1,53 mg/kg dw | | | |
| PNEC sediment (freshwater) | 20.9 mg/kg dw | | | |
| potassium 2-ethylhexano | oate, cas-no 3164-85-0 | | | |
| Exposure | Value | Assessment Factor | Extrapolation Method | Note |
| PNEC aqua (freshwater) | 0,36 mg/l | | | |
| PNEC aqua (intermittent releases) | 0,493 mg/l | | | |
| PNEC STP (wastewater-treatment facilities) | 71,7 mg/l | | | |
| PNEC sediment (freshwater) | 6,37 mg/kg dw | | | |
| PNEC sediment (marine water) | 0,637 mg/kg dw | | | |
| PNEC soil | 1,06 mg/kg dw | | | |
| Methyl-1H-benzotriazol, | cas-no 29385-43-1 | | | |
| Exposure | Value | Assessment Factor | Extrapolation Method | Note |
| PNEC aqua (freshwater) | 0.008 mg/l | | | |
| PNEC aqua (marine water) | 0.02 mg/l | | | |
| PNEC STP (wastewater-treatment facilities) | 39.4 mg/l | | | |
| PNEC sediment (freshwater) | 0.117 mg/kg dw | | | |
| PNEC sediment (marine water) | 0.0187 mg/kg dw | | | |
| PNEC aqua (intermittent releases) | 0.086 mg/l | | | |

DNEL - workers

| DIALE - MOLKELS | DNEL - WORKERS | | | | |
|--|--|-------------------|-----------------|--------------------------|------|
| ethanediol, cas-no 10 | 07-21-1 | | | | |
| Exposure | Value | Assessment Factor | Dose Descriptor | Main Impact Parameter | Note |
| Dermal DNEL (long- term exposure - systemic effects) | 106 mg/kg bw/day | | | | |
| Inhalation DNEL (acute/short-term exposure - local effects) | 35 mg/m³ | | | | |
| potassium 2-ethylhex | potassium 2-ethylhexanoate, cas-no 3164-85-0 | | | | |
| Exposure | Value | Assessment Factor | Dose Descriptor | Main Impact Parameter | Note |
| Dermal DNEL (long- term exposure - systemic effects) | 5.95 mg/kg bw/day | | | | |
| Inhalation DNEL (long-term exposure - systemic effects) | 41.98 mg/m³ | | | | |
| Methyl-1H-benzotriazol, cas-no 29385-43-1 | | | | | |
| Exposure | Value | Assessment Factor | Dose Descriptor | Main Impact Parameter | Note |
| Dermal DNEL (long- term exposure - systemic effects) | 0.3 mg/kg bw/day | | | | |



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| Inhalation DNEL | | | |
|-----------------------|------------|--|--|
| (long-term exposure 2 | 21.2 mg/m³ | | |
| - systemic effects) | | | |

DNEL - general population

| ethanediol, cas-no 10 | 07-21-1 | | | | |
|--|-----------------|-------------------|-----------------|--------------------------|------|
| Exposure | Value | Assessment Factor | Dose Descriptor | Main Impact Parameter | Note |
| Dermal DNEL (long- term exposure - systemic effects) | 53 mg/kg bw/day | | | | |
| Inhalation DNEL (acute/short-term exposure - local effects) | 7 mg/m³ | | | | |

potassium 2-ethylhexanoate, cas-no 3164-85-0

| Exposure | Value | Assessment Factor | Dose Descriptor | Main Impact Parameter | Note |
|---|-------------------|-------------------|-----------------|--------------------------|------|
| Oral DNEL (long- term exposure - systemic effects) | 2,98 mg/kg bw/day | | | | |
| Dermal DNEL (long- term exposure - systemic effects) | 2.98 mg/kg bw/day | | | | |
| Inhalation DNEL (long-term exposure - systemic effects) | 10.35 mg/m³ | | | | |
| | | | | | |

Methyl-1H-benzotriazol, cas-no 29385-43-1

| Exposure | Value | Assessment Factor | Dose Descriptor | Main Impact Parameter | Note |
|---|-------------------|-------------------|-----------------|--------------------------|------|
| Oral DNEL (long- term exposure - systemic effects) | 0.01 mg/kg bw/day | | | | |
| Dermal DNEL (long- term exposure - systemic effects) | 0.01 mg/kg bw/day | | | | |
| Inhalation DNEL (long-term exposure - systemic effects) | 0.35 mg/m³ | | | | |

8.2. Exposure controls

Appropriate engineering controls:

Work under effective process ventilation (e.g. local exhaust ventilation). Wear the personal protective equipment specified below.

eye/face protection:

Personal protective equipment, Wear safety goggles. Eye protection must conform to EN 166.

hand protection:

Personal protective equipment, Wear gloves. Type of material and thickness: Nitrile rubber. 0.4 mm. Breakthrough time has not been determined for the product. Change gloves often. Gloves must conform to EN 374. The suitability and durability of a glove is dependant on usage, e.g. frequency and duration of contact, glove material thickness, functionality and chemical resistance. Always seek advice from the glove supplier.

respiratory protection:

Personal protective equipment, Light use (small volume, shortterm contact (below 10 min.)): Wear respiratory protective equipment. Filter type: A. P.

> Medium use (medium volume, medium contact (1-2 hours)): Wear fresh air respiratory protective equipment. Respiratory protection must conform to one of the following standards: EN 136/140/145.

Environmental exposure

Ensure compliance with local regulations for emissions.



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controls:

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

| Parameter | Value/unit | |
|------------|--|--|
| State | Liquid | |
| Colour | Blue | |
| Odour | Characteristic | |
| Solubility | Solubility in water: Completely miscible | |

| Parameter | Value/unit | Remarks |
|---|------------------------|---------|
| Odour threshold | No data | |
| Melting point | No data | |
| Freezing point | No data | |
| Initial boiling point and boiling range | No data | |
| Flammability (solid, gas) | No data | |
| Flammability limits | No data | |
| Explosion limits | No data | |
| Flash Point | No data | |
| Auto-ignition temperature | No data | |
| Decomposition temperature | No data | |
| pH (solution for use) | 8.4 | |
| pH (concentrate) | No data | |
| Kinematic viscosity | No data | |
| Viscosity | No data | |
| Partition coefficient n-octonol/water | No data | |
| Vapour pressure | No data | |
| Density | 1.07 g/cm ³ | |
| Relative density | No data | |
| Vapour density | No data | |
| Relative density (sat. air) | No data | |
| Particle characteristics | No data | |

9.2. Other information

| Parameter | Value/unit | Remarks |
|----------------------|------------|---------------|
| Explosive properties | | Non-explosive |

Other Information:

VOC (Volatile organic compounds): 0 %

SECTION 10: Stability and reactivity

10.1. Reactivity

Reacts with the following: Oxidisers/ Acids.

10.2. Chemical stability

The product is stable when used in accordance with the supplier's directions.

10.3. Possibility of hazardous reactions

Product vapours are heavier than air and may spread along floors. Vapours may form explosive mixtures with air.

10.4. Conditions to avoid



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None known.

10.5. Incompatible materials

Oxidisers/ Acids.

10.6. Hazardous decomposition products

The product decomposes when combusted or heated to high temperatures and the following toxic gases can be formed: Carbon monoxide and carbon dioxide.

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity - oral

ethanediol, cas-no 107-21-1

| Organism | Test Type | Exposure time | Value | Conclusion | Test method | Source |
|----------|-----------|---------------|---------------|------------|-------------|--------|
| Rat | LD50 | | 7712 mg/kg bw | | | |

potassium 2-ethylhexanoate, cas-no 3164-85-0

| Organism | Test Type | Exposure time | Value | Conclusion | Test method | Source |
|----------|-----------|---------------|---------------|------------|-------------|--------|
| Rat | LD50 | | 3640 mg/kg bw | | OECD 401 | |

Methyl-1H-benzotriazol, cas-no 29385-43-1

| Organism | Test Type | Exposure time | Value | Conclusion | Test method | Source |
|----------|-----------|---------------|--------------|------------|-------------|--------|
| Rat | LD50 | | 720 mg/kg bw | | OECD 401 | |

Harmful if swallowed.

Acute toxicity - dermal

ethanediol, cas-no 107-21-1

| Organism | Test Type | Exposure time | Value | Conclusion | Test method | Source |
|----------|-----------|---------------|-----------------|------------|-------------|--------|
| Mouse | LD50 | | > 3500 mg/kg bw | | | |

potassium 2-ethylhexanoate, cas-no 3164-85-0

| Organism | Test Type | Exposure time | Value | Conclusion | Test method | Source |
|----------|-----------|---------------|-----------------|------------|-------------|--------|
| Rat | LD50 | | > 2000 mg/kg bw | | OECD 402 | |

Methyl-1H-benzotriazol, cas-no 29385-43-1

| Organism | Test Type | Exposure time | Value | Conclusion | Test method | Source |
|----------|-----------|---------------|-----------------|------------|-------------|--------|
| Rabbit | LD50 | | > 2000 mg/kg bw | | OECD 402 | |

The product does not have to be classified. Based on existing data, the classification criteria are deemed not to have been met.

Acute toxicity - inhalation

ethanediol, cas-no 107-21-1

| Organism | Test Type | Exposure time | Value | Conclusion | Test method | Source |
|----------|---------------|---------------|------------|------------|-------------|--------|
| Rat | LC50 (vapour) | 6 h | > 2.5 mg/l | | | |

The product does not have to be classified. Based on existing data, the classification criteria are deemed not to have been met.

Skin corrosion/irritation: May cause slight irritation. The product does not have to be classified. Test data are not

available.

Serious eye damage/eye

irritation:

Irritating to eyes. Causes a burning sensation and tearing.

Respiratory sensitisation or skin sensitisation:

The product does not have to be classified. Test data are not available.

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Germ cell mutagenicity: The product does not have to be classified. Test data are not available.

Carcinogenic properties: The product does not have to be classified. Test data are not available.

Reproductive toxicity: The product does not have to be classified. Test data are not available. The product

contains at least one substance which is a suspected reproductive hazard.

Single STOT exposure: The product releases organic solvent vapours which may cause lethargy and dizziness. At

high concentrations, the vapours may cause headache and intoxication. Can be absorbed through the skin causing symptoms such as dizziness and headache. The product does not

have to be classified. Test data are not available.

Repeated STOT exposure: May cause damage to organs through prolonged or repeated exposure.

Aspiration hazard: The product does not have to be classified. Test data are not available.

11.2. Information on other hazards

Endocrine disrupting

properties:

None known.

Other toxicological effects ethanediol. cas-no 107-21-1

| • | | | | | | |
|---|-------------|---------------|-----------|------------------|----------|--------|
| Organism | Test Type | Exposure time | Value | Value Conclusion | | Source |
| Rat | NOAEL(oral) | 90d | 150 mg/kg | | OECD 408 | |

potassium 2-ethylhexanoate, cas-no 3164-85-0

| | Organism | Test Type | Exposure time | Value | Conclusion | Test method | Source |
|----|----------|-------------|---------------|-----------|------------|-------------|--------|
| М | ouse | NOAEL(oral) | 90d | 180 mg/kg | | | |
| Mo | ouse | NOAEL(oral) | 90d | bw/day | | | |

Methyl-1H-benzotriazol, cas-no 29385-43-1

| Organism | Test Type | Exposure time | Value | Conclusion | Test method | Source |
|----------|-------------|---------------|---------------------|------------|-------------|--------|
| Rat | NOAEL(oral) | 28d | 150 mg/kg bw/day | | OECD 407 | |

SECTION 12: Ecological information

12.1. Toxicity

ethanediol, cas-no 107-21-1

| Organism | Species | Exposure time | Test Type | Value | Conclusion | Test method | Source |
|-----------|----------------------------------|---------------|-----------|----------------------|------------|----------------------|--------|
| Algae | Pseudokirchne riella subcapitata | | 96hEC50 | 6500 - 13000 mg/l | | EPA 600/9-78- 018 | |
| Crustacea | Daphnia magna | | 48hEC50 | > 100 mg/l | | OECD 202 | |
| Fish | Pimephales promelas | | 96hLC50 | 72860 mg/l | | | |
| Bacteria | Pseudomonas putida | | 16hEC50 | > 10000 mg/l | | DIN 38412/8 | |

potassium 2-ethylhexanoate, cas-no 3164-85-0

| Organism | Species | Exposure time | Test Type | Value | Conclusion | Test method | Source |
|-----------|------------------|---------------|-----------|------------|------------|-------------|--------|
| Urustacea | Daphnia magna | | 48hEC50 | 85.4 mg/l | | | |
| Fish | | | LC50 | > 100 mg/l | | | |



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Algae 72hIC50 49.3 mg/l

Methyl-1H-benzotriazol, cas-no 29385-43-1

| Organism | Species | Exposure time | Test Type | Value | Conclusion | Test method | Source |
|-----------|----------------------|---------------|-----------|------------|------------|-------------|--------|
| Fish | | | LC50 | > 100 mg/l | | OECD 203 | |
| Algae | Skeletonema costatum | | 72hIC50 | 53 mg/l | | ISO 10253 | |
| Crustacea | Daphnia sp. | | 48hEC50 | 15.8 mg/l | | OECD 202 | |

The product contains small quantities of environmentally hazardous substances. The product does not have to be classified. Based on existing data, the classification criteria are deemed not to have been met.

12.2. Persistence and degradability

Expected to be biodegradable.

12.3. Bioaccumulative potential

The product contains at least one substance with low bioaccumulative potential.

12.4. Mobility in soil

Test data are not available.

12.5. Results of PBT and vPvB assessment

The product does not contain any PBT or vPvB substances.

12.6. Endocrine disrupting properties

None known.

12.7. Other adverse effects

None known.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Avoid discharge to drain or surface water.

If this product as supplied becomes a waste, it meets the criteria of a hazardous waste (Dir. 2008/98/EU). Collect spills and waste in closed, leak-proof containers for disposal at the local hazardous waste site.

Uncleansed packaging is to be disposed of via the local waste-removal scheme.

Category of waste:

EWC code: Depends on line of business and use, for instance 16 01 14* antifreeze fluids containing hazardous substances

Wiping cloths with organic solvents: EWC code: 15 02 02 Absorbents, filter materials (including oil filters not otherwise specified), wiping cloths, protective clothing contaminated by dangerous substances.

hazards:

SECTION 14: Transport information

Land transport (ADR/RID)

14.1. UN number or ID number:Not applicable.14.4. Packing group:Not applicable.14.2. UN proper shippingNot applicable.14.5. EnvironmentalNot applicable.

name:

14.3. Transport hazard

class(es):

Not applicable.

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Inland water ways transport (ADN)

14.1. UN number or ID number:Not applicable.14.4. Packing group:Not applicable.14.2. UN proper shippingNot applicable.14.5. EnvironmentalNot applicable.

name: hazards:

14.3. Transport hazard

class(es):

Not applicable.

Sea transport (IMDG)

14.1. UN number or ID number:Not applicable.14.4. Packing group:Not applicable.14.2. UN proper shipping name:Not applicable.14.5. Environmental hazards:Not applicable.

14.3. Transport hazard Not applicable.

class(es):

Air transport (ICAO-TI / IATA-DGR)

14.1. UN number or ID number:Not applicable.14.4. Packing group:Not applicable.14.2. UN proper shippingNot applicable.14.5. EnvironmentalNot applicable.

name:

14.3. Transport hazard

class(es):

Not applicable.

14.6. Special precautions for user

None.

14.7. Maritime transport in bulk according to IMO instruments

Not applicable.

SECTION 15: Regulatory information

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

Special Provisions: Special care should be applied for employees under the age of 18. Young people under the

age of 18 may not carry out any work causing harmful exposure to this product.

hazards:

Covered by:

Council Directive (EC) on the protection of young people at work.

Council Directive (EC) on the introduction of measures to encourage improvements in the safety and health at work of pregnant workers and workers who have recently given birth or

are breastfeeding.

15.2. Chemical Safety Assessment

| REACH Reg. No. | Substance name | | |
|------------------|----------------------------|--|--|
| 01-2119456816-28 | ethanediol | | |
| 01-2119979081-35 | Methyl-1H-benzotriazol | | |
| 01-2119980714-29 | potassium 2-ethylhexanoate | | |

SECTION 16: Other information

Version history and indication of changes

| Version | Revision date | Responsible | Changes | |
|---------|---------------|------------------------|----------------------------|--|
| 4.0.0 | 08/05/2023 | Bureau veritas HSE/LJO | 1,3,5,7,8,9,10,11,12,15,16 | |

Abbreviations: vPvB: Very Persistent and Very Bioaccumulative

PBT: Persistent, Bioaccumulative and Toxic STOT: Specific Target Organ Toxicity DNEL: Derived No Effect Level

PNEC: Predicted No Effect Concentration



Safety Data Sheet

KRAMP COOLANT K11 -37°C

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Other Information: This safety data sheet has been prepared for and applies to this product only. It is based on

our current knowledge and the information that the supplier was able to provide about the product at the time of preparation. The safety data sheet complies with applicable law on preparation of safety data sheets in accordance with Regulation 1907/2006/EC "The Registration, Evaluation and Authorization of Chemicals" as amended by the stationary UK

REACH etc. (EU Exit) as subsequently changed.

Training advice: A thorough knowledge of this safety data sheet should be a prerequisite condition.

Classification method: Calculation based on the hazards of the known components.

List of relevant H-statements

H302 Harmful if swallowed. H315 Causes skin irritation. H318 Causes serious eye damage. H319 Causes serious eye irritation.

H361d Suspected of damaging the unborn child.

H373 May cause damage to organs through prolonged or repeated exposure.

H411 Toxic to aquatic life with long lasting effects.

SDS is prepared by

Bureau Veritas HSE Denmark A/S Company:

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7000 Zip code: Fredericia City: Country: **DENMARK**

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