# SAFETY DATA SHEET

# Clean Drop Kafferensemiddel

Revision date 30.05.2023

## SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

| | |
|---|---|
| *1.1 Product identifier* | |
| Trade name | Clean Drop Kafferensemiddel |
| Unique Formula Identifier - UFI: | 7JWH-17S8-EV1U-RRPM |
| Revision date | 30.05.2023 |
| Replace MSDS of | 02.09.2021 |
| Version number | 2.0 |
| *1.2 Relevant identified uses of the substance or mixture and uses advised against* | |
| Uses of the chemical | Cleaning of coffee equipment. |
| Uses advised against | Not recommended for purposes other than the uses for which the product is intended. |
| *1.3 Details of the supplier of the safety data sheet* | |
| Company/undertaking identification | Norsk Kaffeinformasjon Handel AS<br>Niels Juelsgt. 16<br>0272 Oslo<br>Norge<br>Telefon: +47 23 13 18 50<br>www.cleandrop.no |
| E-mail | cleandrop.nki@kaffe.no |
| Responsible person | Norsk Kaffeinformasjon Handel AS |
| Author | Sensor Chemcontrol AS - Jens Krotseng |
| *1.4 Emergency telephone number* | **Poison Information Centre: +47 22 59 13 00.** |

## SECTION 2: HAZARD IDENTIFICATION

| | |
|---|---|
| *2.1 Classification of the substance or mixture* | |
| Classification according to 1272/2008EC | Eye Irrit 2; H319.<br><br>Explanation of hazard statements (H-phrases) can be found in section 2.2 / 16<br><br>The most important physical, health and environmental adverse effects:<br>Causes serious eye irritation. |
| *2.2 Label elements* | |
| Pictogram |  <br>GHS07 |
| Signal word | Warning |
| Packaging requirements | According to the CLP regulation, there is NO requirement for child-proof closure or tactile warning marking. |
| Hazard statement(s) | H319 Causes serious eye irritation. |
| Precautionary statements | |
| General | P102 Keep out of reach of children. |
| Prevention | P280 Use protective gloves. |
| Response | P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes; Remove contact lenses, if present and easy to do; Continue rinsing.<br>P337+P313 If eye irritation persists: Get medical advice/attention. |

*2.3 Other hazards*

The chemical does not contain endocrine disruptors above 0.1%, according to (EU) 2017/2100 or (EU) 2018/605.
REACH Annex XIII regulations regarding PBT or vPvB substances is not applicable for the product.

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

*3.2 Mixtures*

| Ingredients | Identification | Classification | Note | Weight% |
|---|---|---|---|---|
| N,N-Bis(carboxymethyl)-DL-alanine trisodium salt | Ec/Nlp nr: 605-362-9<br>Cas nr: 164462-16-2 | Met. Corr.1; H290 | | < 20 |
| Sodium metasulfate | Reach nr: 01-2119971586-23<br>Ec/Nlp nr: 204-812-8<br>Cas nr: 126-92-1 | Skin Irrit 2; H315<br>Eye Dam 1; H318 | Æ | < 3 |

Explanation

Met Corr 1: Substance or mixture corrosive to metals.
Eye Dam 1: Serious eye damage/eye irritation.
Skin Irrit 2: Skin corrosion/irritation.

Hazard phrases (H-phrases) with full text is found in section 16.

Ingredients comments

The classification applies to each substance, not the product.
All concentrations are listed as weight percent.

Note Æ: The substance has an occupational exposure limit (OEL) or DNEL (Derived No Effect Level) values, see section 8 for more information.

## SECTION 4: FIRST AID MEASURES

*4.1 Description of first aid measures*

Inhalation

Fresh air, warmth and rest, preferably in a comfortable, half-sitting position. Keep respiratory tract open.

Skin contact

Seek medical attention if irritation persists.

Eye contact

If eye irritation persists: Get medical advice/attention. Rinse cautiously with water for several minutes; If possible remove any contact lenses.

Ingestion

Give something to drink, such as water, milk or juice. Do not induce vomiting. Call a poison centre for a risk assessment.

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

Not known

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

By accident or malaise, consult a doctor immediately. Show label, instructions or the MSDS.

## SECTION 5: FIREFIGHTING MEASURES

*5.1 Extinguishing media*

Suitable extinguishing media

Water spray, foam, CO2 or powder.

Extinguishing media which shall not be used

Avoid using directed water jets during extinguishing work.

*5.2 Special hazards arising from the substance or mixture*

Not known

*5.3 Advice for firefighters*

Firefighters should use standard protective flame resistant jacket, helmet with face shield, gloves, rubber boots and self-contained breathing apparatus in confined areas.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

| | |
|---|---|
| *6.1 Personal precautions, protective equipment and emergency procedures* | Wear protective clothing as described in Section 8 of the material safety data sheet. |
| *6.2 Environmental precautions* | Avoid release to the environment;. |
| *6.3 Methods and material for containment and cleaning up* | Collect small amounts with absorbant material. |
| *6.4 Reference to other sections* | See section 7 for information on safe handling.<br>See section 8 for information on personal protection equipment.<br>See section 12 for information on ecology.<br>See section 13 for waste disposal. |

## SECTION 7: HANDLING AND STORAGE

| | |
|---|---|
| *7.1 Precautions for safe handling* | Use suitable and approved protective equipment, see section 8 for more information. Handle in accordance with good hygiene and safety practice. Operating instructions should be followed to ensure safe use and best results. |
| *7.2 Conditions for safe storage, including any incompatibilities* | Keep in original packaging. Store in a frost-free place. Keep out of reach of children. |
| *7.3 Specific end use(s)* | Cleaning of coffee equipment. |

## SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

*8.1 Control parameters*

Limit values notes: No occupational exposure limits are relevant for the product.

Derived no effect level (DNEL)

**Sodium metasulfate**

| | | Acute local effect | Acute systemic effect | Chronic local effect | Chronic systemic effect |
|---|---|---|---|---|---|
| Employee | -inhalation | | | | 285 mg/m³ |
| | -skin contact | (Medium hazard (no threshold derived)) | | (Medium hazard (no threshold derived)) | 4 060 mg/kg bw/day |
| Consumer | -inhalation | | | | 85 mg/m³ |
| | -skin contact | (Medium hazard (no threshold derived)) | | (Medium hazard (no threshold derived)) | 2 440 mg/kg bw/day |
| | -oral | | | | 24 mg/kg bw/day |

*8.2 Exposure controls*

| | |
|---|---|
| Exposure controls | Common sense and safety precautions should always be used when handling chemicals. Ensure that all containers are properly labeled to prevent accidental exposure or improper use. Ensure good working hygiene. Make use of recommended safety equipment. Provide adequate exhaust ventilation, or ventilation in the workplace. Avoid contact with eyes and skin. |
| Respiration protection | Respiratory protective equipment is not normally required where there is adequate natural or local exhaust ventilation to control exposure. The European Committee for Standardisation (CEN) standards EN136, EN140 and EN405 specify respirator masks and EN149 and EN143 specify filter recommendations.<br>Respiratory protection must be used if air contamination exceeds occupational exposure levels. |
| Eye protection | Wear goggles when there is a danger of splashing. Eye rinsing equipment should be available, preferably also an eye shower option. Eye protection shall be in accordance to EN 166 standard. |
| Hand protection | Protective gloves of Nitrile or Neoprene is recommended. Glove thickness of 0.35 mm according to standard EN-374.<br>If continuous contact: Gloves with penetration time above 480 minutes.<br>If short-term splash/exposure (up to 30 minutes): Gloves with penetration time above 60 minutes.<br>All specific glove information provided is based on published literature and glove manufacturer data.<br>Glove suitability and breakthrough time will differ depending on the specific use conditions. Contact the glove manufacturer for specific advice on glove selection and breakthrough times for your use. Check and possibly replace worn or damaged gloves. If contact with forearms is likely, wear gauntlet style. CE standards EN420 and EN374 provide general requirements and lists of glove types. |
| Skin protection | Wear suitable protective clothing. |
| Additional information | It is good industrial hygiene practices to avoid skin contact as much as possible. Do not wear rings, watches, etc, which are suitable for keeping the product and thereby cause skin reactions. Barrier creams |

| | |
|---|---|
| | may help to protect exposed skin, but can not substitute for gloves. Specific Hygiene Measures: Always observe good personal hygiene such as washing after handling product and before eating, drinking and / or smoking. Routinely wash work clothing and protective equipment to remove contaminants. Discard contaminated clothing and shoes that can not be washed. |

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

| | |
|---|---|
| *9.1 Information on basic physical and chemical properties* | |
| a) Physical state | Liquid. |
| b) Colour | Blue |
| c) Odour | Characteristic |
| d) Melting point/freezing point | 181 °C (Sodium metasulphate, note B). |
| e) Boiling point or initial boiling point and boiling range | 191 °C at 101.2 kPa (Sodium metasulphate, note B). |
| f) Flammability | Not flammable. |
| g) Lower and upper explosion limit | The product is not flammable or explosive. |
| h) Flash point | Not flammable |
| i) Auto-ignition temperature | Not self-igniting |
| j) Decomposition temperature | 191 °C at 101.2 kPa (Sodium metasulphate, note B). |
| k) pH | 10,9 |
| l) Kinematic viscosity | Not known |
| m) Solubility | 100% (Easily soluble) |
| n) Partition coefficient | Not relevant - inorganic substance. |
| o) Vapour pressure | 1.2 Pa (@ 20 °C) (Sodium metasulphate, note B). |
| p) Density and/or relative density | 1,109 (vann=1, ved 20 °C) |
| q) Relative vapour density | Not known |
| r) Particle characteristics | Not applicable - the form of the product is liquid. |
| *9.2 Other information* | The physical and chemical properties specified in section 9.1 applies to the product and not to the individual ingredients or propellent gas, unless otherwise stated. Note B: The information is obtained from ECHA 'Brief Profile'. |
| Explosive properties | The product is not explosive |

## SECTION 10: STABILITY AND REACTIVITY

| | |
|---|---|
| *10.1 Reactivity* | Stable under normal conditions. |
| *10.2 Chemical stability* | Stable under normal conditions. |
| *10.3 Possibility of hazardous reactions* | Not known |
| *10.4 Conditions to avoid* | Not known |
| *10.5 Incompatible materials* | Not known |
| *10.6 Hazardous decomposition products* | No decomposition during normal storage. |

## SECTION 11: TOXICOLOGICAL INFORMATION

| | |
|---|---|
| *11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008* | |
| a) Acute toxicity | Based on available data, the classification criteria are not met. |
| b) Skin corrosion/irritation | Based on available data, the classification criteria are not met. |
| c) Serious eye damage/ irritation | Seriously irritates the eyes. |
| d) Respiratory or skin sensitisation | Based on available data, the classification criteria are not met. |

| | |
|---|---|
| e) Germ cell mutagenicity | Based on available data, the classification criteria are not met. |
| f) Carcinogenicity | Based on available data, the classification criteria are not met. |
| g) Reproductive toxicity | Based on available data, the classification criteria are not met. |
| h) STOT-single exposure | Based on available data, the classification criteria are not met. |
| i) STOT-repeated exposure | Based on available data, the classification criteria are not met. |
| j) Aspiration hazard | Based on available data, the classification criteria are not met. |
| *11.2. Information on other hazards* | Probable route of exposure: Skin contact.<br>Swallowing. |

## SECTION 12: ECOLOGICAL INFORMATION

| | |
|---|---|
| *12.1 Toxicity* | No eco-toxic effect known. No harmful long-term effects are expected on aquatic organisms. |
| *12.2 Persistence and degradability* | Not readily biodegradable (inorganic compound). |
| *12.3 Bioaccumulative potential* | Bioaccumulation is unlikely. |
| *12.4 Mobility in soil* | The product is water soluble and has the potential for high mobility in soil. |
| *12.5 Results of PBT and vPvB assessment* | Not relevant for inorganic substances. The chemical does not meet the criteria for PBT or vPvB in accordance with REACH Annex XIII. |
| *12.6 Endocrine disrupting properties* | The chemical does not contain endocrine disruptors above 0.1%, according to (EU) 2017/2100 or (EU) 2018/605. |
| *12.7 Other adverse effects* | Not known |

## SECTION 13: DISPOSAL CONSIDERATIONS

| | |
|---|---|
| *13.1 Waste treatment methods* | |
| Disposal group | EWC: *16 05 07 discarded inorganic chemicals consisting of or containing dangerous substances.<br>EWC: *16 03 03 inorganic wastes containing dangerous substances.<br>The EWC code are for illustrative purposes only. Always check the waste codes in view of the current state the product is in. The final waste groups and tags must be determined by the user, based on the actual use of the product. |
| Packings | EWC: 15 01 10 Packing which contains remnants or is contaminated with dangerous waste.<br>EWC: 15 02 02 Contaminated rags and the like.<br>EWC: 15 01 02: plastic packaging.<br>Contaminated packaging to be treated as residual chemicals, follow the warnings of the hazard label even after its packaging is emptied. Residues that can not be stored for later use or recycled, is to be delivered to an authorized destruction facility. Empty containers can, after thorough cleaning, be delivered for reuse.<br>Clean packaging material should be subjected to waste management schemes (recovery recycling, reuse) according to local legislation. |
| Additional information | Dispose contents/container to facilities for hazardous waste. The product shall not be allowed to enter drains, waterways, groundwater or the evironment. When cleaning contaminated packing, the use of water is recommended.<br><br>According to Commission Regulation 1357/2014, waste is classified as waste type:<br>HP 4 Irritant - skin irritation and eye damage: waste which on application can cause skin irritation or damage to the eye. |

## SECTION 14: TRANSPORT INFORMATION

| | |
|---|---|
| *14.1 UN number or ID number* | Ikke regulert |
| *14.2 UN proper shipping name* | n/a |
| *14.3 Transport hazard class(es)* | |
| ADR/RID class | n/a |
| *14.4 Packing group* | n/a |
| *14.5 Environmental hazards* | n/a |
| *14.6 Special precautions for user* | n/a |
| *14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code* | n/a |

## SECTION 15: REGULATORY INFORMATION

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

Norwegian Regulations: "FOR-2012-06-16-622 Forskrift om klassifisering, merking og emballering av stoffer og stoffblandinger (CLP)".

COMMISSION DELEGATED REGULATION (EU) 2020/217 of 4 October 2019 (ATP14).

REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

COMMISSION REGULATION (EU) 2020/878 of 18 June 2020 amending Annex II to Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).

ADR/RID Regulations on land transport of dangerous goods 2019.

COMMISSION DIRECTIVE (EU) 2017/164 of 31 January 2017 establishing a fourth list of indicative occupational exposure limit values pursuant to Council Directive 98/24/EC, and amending Commission Directives 91/322/EEC, 2000/39/EC and 2009/161/EU

FOR 2004-06-01 nr 922: Norwegian regulations on the restriction of use of hazardous chemicals and other products "produktforskriften".

ECHA (European Chemicals Agency) C&L Inventory database.

DIRECTIVE 2008/98/EC OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 19 November 2008 on waste and repealing certain Directives.

European Waste Catalogue and Hazardous Waste List Valid from 1 January 2002.

FOR-2015-05-19-541 Forskrift om deklarering av kjemikalier til produktregisteret (norwegian regulation for product declaration).

*15.2 Chemical safety assessment*

The supplier has not compiled a Chemical Safety Assessment Report for the substance or mixture.

Additional information

Classification of this product is given on the basis of the available information from the vendor.

## SECTION 16: OTHER INFORMATION

Relevant hazard- and risk phrases given in section 3

H290 May be corrosive to metals.
H315 Causes skin irritation.
H318 Causes serious eye damage.

Key literature references and sources for data

ECHA CL-Inventory / Substance Infocard. Material safety data sheet from the supplier.

Abbreviations in the document

n/a - No relevant information.
EWC - European Waste Catalogue codes.
vPvB - very Persistent and very Bioaccumulative (require special attention under REACH).
PBT - Persistent, Bioaccumulative and Toxic.
LC50 - The concentration of a chemical in air or water as for a particular group of experimental animals which leads to more than 50% deaths over a given period of time.
LD50 - The amount of a chemical given to a particular group of experimental animals that leads to deaths of 50%.
STOT - Toxic effect on certain organs.
bw/day - body weight / day

First released

02.09.2021

Additional information

Revised and quality controlled by:
Sensor Chemcontrol AS
Storgata 30
3611 Kongsberg
Norway
Tlf: +47 32 77 06 60
E-mail: helpdesk@sensor.as

URL: www.sensor.as.

**--- SAFETY DATA SHEET conforming to commission regulation (EC) 1272/2008 and (EU) 2020/878 ---**