

SAFETY DATA SHEET

PLUMBO PROFF AKTIV GEL

The safety data sheet is in accordance with Commission Regulation (EU) 2015/830 of 28 May 2015 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)

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

Date issued	23.09.2009
Revision date	26.11.2019

1.1. Product identifier

Product name	PLUMBO PROFF AKTIV GEL
UFI	JJ4P-C2G4-Q00M-1GAT
Article no.	30022, 30024
GTIN No.	7024110300228, 7024110030453

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

Main intended use	PC-CLN-5 Drain cleaning products
Professional use	Yes
Consumer use	Yes

1.3. Details of the supplier of the safety data sheet

Distributor

Company name	KREFTING & CO. AS
Postal address	PO Box 14
Postcode	NO 1314
City	Vøyenenga
Country	Norge
Telephone number	+47 67 52 60 85
Email	firmapost@krefting.no
Website	http://www.krefting.no/
Enterprise No.	912 447 839

1.4. Emergency telephone number

Emergency telephone	Description: In Norway: call the Poison Centre +47 22591300
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In UK: Emergency call 999. For medical advice call 111

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 [CLP / GHS]

Skin Corr. 1A; H314
Aquatic Chronic 2; H410
Met. Corr. 1; H290

Additional information on classification

The full text for all hazard statements is displayed in section 16.

2.2. Label elements

Hazard pictograms (CLP)



Composition on the label

Sodium hypochlorite, solution, Potassium hydroxide, Sodium Hydroxide, Disodium metasilicate

Signal word

Danger

Hazard statements

H314 Causes severe skin burns and eye damage.
H290 May be corrosive to metals.
H410 Very toxic to aquatic life with long lasting effects.
EUH 031 Contact with acids liberates toxic gas.
EUH 206 Warning! Do not use together with other products. May release dangerous gases (chlorine).

Precautionary statements

P101 If medical advice is needed, have product container or label at hand.
P102 Keep out of reach of children.
P260 Do not breathe dust/vapours/spray.
P280 Wear protective gloves / protective clothing / eye protection / face protection.
P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water / shower.
P305+P351+P338 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 to godkjent mottak for farlig avfall.

Tactile warnings

Yes

Child-protection

Yes

Detergents

According to: Regulation (EC) No 648/2004 of the European Parliament and of the Council of 31 March 2004 on detergents.

2.3. Other hazards

Other hazards

Ingen kjente.

SECTION 3: Composition / information on ingredients

3.2. Mixtures

Composition type	Mixture			
Formulation type	PC Gel or paste concentrate			
Substance	Identification	Classification	Contents	Notes
Sodium hypochlorite, solution	CAS No.: 7681-52-9 EC No.: 231-668-3 REACH Reg. No.: 01-2119488154-34	Skin Corr. 1B; H314 Eye Dam. 1; H318 Aquatic Acute 1; H400 Aquatic Chronic 1; H410 Met. Corr. 1; H290 Additional information on classification: EUH031 EUH206	≤ 6 %	
Potassium hydroxide	CAS No.: 1310-58-3 EC No.: 215-181-3 REACH Reg. No.: 01-2119487136-33	Acute Tox. 4; H302 Skin Corr. 1A; H314 Met. Corr. 1; H290	≤ 3 %	
Sodium Hydroxide	CAS No.: 1310-73-2 EC No.: 215-185-5 REACH Reg. No.: 01-2119457892-27	Skin Corr. 1A; H314 Met. Corr. 1; H290	≤ 3 %	
Disodium metasilicate	CAS No.: 6834-92-0 EC No.: 229-912-9 REACH Reg. No.: 01-2119449811-37	Skin Corr. 1B; H314 Met. Corr. 1; H290 STOT SE 3; H335	≤ 3 %	
N, N-dimethyltetradecylamine N-oksidi	CAS No.: 3332-27-2 EC No.: 222-059-3	Acute Tox. 4; H302 Skin Irrit. 2; H315 Eye Dam. 1; H318 Aquatic Acute 1; H400 Aquatic Chronic 2; H411	≤ 2 %	
Substance comments	See section 16 for explanation of H-phrases listed above.			

SECTION 4: First aid measures

4.1. Description of first aid measures

General	IF exposed: Call a POISON CENTER or doctor/physician. If medical advice is needed, have product container or label at hand.
Inhalation	Provide fresh air, warmth and rest, preferably in comfortable upright sitting position. Get medical attention.
Skin contact	Promptly wash contaminated skin with water. Promptly remove clothing if soaked through and wash the skin with water. Get medical attention immediately!
Eye contact	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention immediately!
Ingestion	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Get medical attention immediately!

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

Acute symptoms and effects	<p>Skin contact: Burning pain and severe corrosive skin damage.</p> <p>Eye contact: Strongly corrosive. Causes severe burns and serious eye damage. Immediate first aid is imperative.</p> <p>Ingestion: Symptoms are severe burning pains in mouth, throat and stomach. Nausea, vomiting. Difficulty in breathing.</p> <p>Inhalation: Headache. Nausea, vomiting. May cause drowsiness or dizziness. Unconsciousness.</p>
Delayed symptoms and effects	Same as acute symptoms and effects.

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

Medical treatment	Treat symptomatically.
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SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	Water spray, carbon dioxide, dry powder or polar resistant foam.
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5.2. Special hazards arising from the substance or mixture

Fire and explosion hazards	None.
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5.3. Advice for firefighters

Other information	Look out! The product is corrosive.
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SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal protection measures	Look out! The product is corrosive. Avoid inhalation of vapours and contact with skin and eyes. Wear necessary protective equipment. Take off contaminated clothing and wash before reuse.
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6.2. Environmental precautions

Environmental precautionary measures	Avoid discharge into drains, water courses or onto the ground.
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6.3. Methods and material for containment and cleaning up

Clean up	Avoid release to the environment. Contain spillages with sand, earth or any suitable absorbent material. Collect and reclaim or dispose in sealed containers in licensed waste.
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6.4. Reference to other sections

Other instructions	See section 8 and 13.
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SECTION 7: Handling and storage

7.1. Precautions for safe handling

Handling	Look out! The product is corrosive. Avoid inhalation of vapours and contact with skin and eyes. Wear necessary protective equipment. Eye wash facilities and emergency shower must be available when handling this product. Avoid release to the environment. When using do not eat, drink or smoke. Immediately change contaminated clothes.
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7.2. Conditions for safe storage, including any incompatibilities

Storage	Store in tightly closed original container in a well-ventilated place. Keep separate from food, feedstuffs, fertilisers and other sensitive material. Do not freeze.
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7.3. Specific end use(s)

Specific use(s)	The identified uses for this product are detailed in Section 1.2.
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SECTION 8: Exposure controls / personal protection

8.1. Control parameters

Substance	Identification	Exposure limits	TWA Year
Potassium hydroxide	CAS No.: 1310-58-3	Limit value (8 h) : 2 mg/m ³ Exposure limit letter Letter code: T.	
Sodium Hydroxide	CAS No.: 1310-73-2	Limit value (8 h) : 2 mg/m ³ Exposure limit letter Letter code: T	

8.2. Exposure controls

Safety signs








Precautionary measures to prevent exposure

Technical measures to prevent exposure	Personal protection equipment should be chosen according to the CEN standards and in discussion with the supplier of the personal protective equipment.
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Eye / face protection

Suitable eye protection	Wear tight-fitting goggles or face shield.
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Hand protection

Suitable gloves type	The most suitable glove must be chosen in consultation with the gloves supplier, who can inform about the breakthrough time of the glove material.
Suitable materials	Nitrile. EN 374
Breakthrough time	Value: > 480 minute(s)

Thickness of glove material	Value: 0,35 mm
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Skin protection

Suitable protective clothing	Wear appropriate clothing to prevent reasonably probable skin contact.
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Respiratory protection

Respiratory protection necessary at	In case of inadequate ventilation wear respiratory protection.
Recommended type of equipment	Use high efficiency particulate respirator with appropriate filter.

Hygiene / environmental

Specific hygiene measures	Wash at the end of each work shift and before eating, smoking and using the toilet. Promptly remove any clothing that becomes contaminated. Wash promptly if skin becomes contaminated.
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SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Form	Liquid
pH	Status: In delivery state Value: 13,8
Melting point / melting range	Value: 0 °C
Boiling point / boiling range	Value: ~ 100 °C
Evaporation rate	Value: 0,300 Method: n-BuAc=1
Vapour pressure	Value: 2332 Pa Temperature: 20 °C
Relative density	Value: 1,1650 Comments: kg/l Temperature: 20 °C
Solubility	Medium: Water Comments: Blandbar med vann.
Viscosity	Value: 1 mPa.s Method: Dynamisk Temperature: 20 °C Value: 1 mm ² /s Method: Kinematisk. Temperature: 40 °C

9.2. Other information

Physical hazards

Content of VOC	Value: 0.000 g/l
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SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity	Stable under the prescribed storage conditions.
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10.2. Chemical stability

Stability	Stable under the prescribed storage conditions.
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10.3. Possibility of hazardous reactions

Possibility of hazardous reactions	Warning! Do not use together with other products. May release dangerous gases (chlorine). Generates toxic gas in contact with acid.
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10.4. Conditions to avoid

Conditions to avoid	Avoid exposure to high temperatures or direct sunlight. Avoid frost.
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10.5. Incompatible materials

Materials to avoid	Acids.
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10.6. Hazardous decomposition products

Hazardous decomposition products	Stable under normal temperature conditions and recommended use.
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SECTION 11: Toxicological information

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

Substance	Sodium hypochlorite, solution
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Acute toxicity	<p>Effect tested: LD50 Route of exposure: Oral Value: 3000 mg/kg Animal test species: Rat</p> <p>Effect tested: LD50 Route of exposure: Dermal Value: ≥ 5000 mg/kg Animal test species: Rabbit</p> <p>Effect tested: LC50 Route of exposure: Inhalation. Duration: 4 hour(s) Value: ≥ 50 mg/l Animal test species: Rat</p>
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Substance	Potassium hydroxide
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Acute toxicity	<p>Effect tested: LD50 Route of exposure: Oral Value: 356 mg/kg Animal test species: Rotte.</p>
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	<p>Effect tested: LD50 Route of exposure: Dermal Value: ≥ 5000 mg/kg Animal test species: Kanin.</p> <p>Effect tested: LC50 Route of exposure: Inhalation. Duration: 4 hour(s) Value: ≥ 50 mg/kg Animal test species: Rotte.</p>
Substance	Sodium Hydroxide
Acute toxicity	<p>Effect tested: LD50 Route of exposure: Oral Value: ≥ 5000 mg/kg Animal test species: Rat</p> <p>Effect tested: LD50 Route of exposure: Dermal Value: ≥ 5000 mg/kg Animal test species: Rabbit</p> <p>Effect tested: LC50 Route of exposure: Inhalation. Value: ≥ 50 mg/l Animal test species: Rat</p>
Substance	Disodium metasilicate
Acute toxicity	<p>Effect tested: LD50 Route of exposure: Oral Value: 1152 mg/kg Animal test species: Rat</p> <p>Effect tested: LD50 Route of exposure: Dermal Value: ≥ 5000 mg/kg Animal test species: Rabbit</p> <p>Effect tested: LC50 Route of exposure: Inhalation. Duration: 4 hour(s) Value: ≥ 50 mg/l Animal test species: Rat</p>
Substance	N,N-dimethyltetradecylamine N-oxid
Acute toxicity	<p>Effect tested: LD50 Route of exposure: Oral Value: 1495 Animal test species: Rotte.</p> <p>Effect tested: LD50 Route of exposure: Dermal Value: ≥ 5000 mg/kg Animal test species: Kanin.</p>

Effect tested: LC50
Route of exposure: Inhalation.
Duration: 4 hour(s)
Value: ≥ 50 mg/l
Animal test species: Rotte.

Other information regarding health hazards

Assessment of skin corrosion / irritation, classification	Corrosive.
Assessment of eye damage or irritation, classification	Corrosive.

Symptoms of exposure

In case of ingestion	May cause chemical burns in mouth, oesophagus and stomach.
In case of skin contact	Chemical burns.
In case of inhalation	High concentrations of vapours may irritate respiratory system and lead to headache, fatigue, nausea and vomiting.
In case of eye contact	Chemical burns. Splash in eye requires examination by eye specialist.
Other information	See section 4.2.

SECTION 12: Ecological information

12.1. Toxicity

Substance	Sodium hypochlorite, solution
Aquatic toxicity, fish	Value: 0,22 -0,62 mg/l Effect dose concentration: LC50 Species: Pimephales promelas
Substance	N,N-dimethyltetradecylamine N-oxid
Aquatic toxicity, fish	Value: 0,1 -1,0 mg/l Effect dose concentration: LC50 Exposure time: 96 hour(s) Species: Oncorhynchus mykiss
Substance	Sodium hypochlorite, solution
Aquatic toxicity, crustacean	Value: 141 mg/l Effect dose concentration: EC50 Exposure time: 48 hour(s) Species: Daphnia magna
Substance	N,N-dimethyltetradecylamine N-oxid
Aquatic toxicity, crustacean	Value: 0,1 -1,0 mg/l Effect dose concentration: EC50 Exposure time: 48 hour(s) Species: Daphnia magna

12.2. Persistence and degradability

Persistence and degradability description/evaluation	According to: Regulation (EC) No 648/2004 of the European Parliament and of the Council of 31 March 2004 on detergents.
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12.3. Bioaccumulative potential

Bioaccumulation, comments	No information.
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12.4. Mobility in soil

Mobility, comments	None.
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12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB assessment	No information.
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12.6. Other adverse effects

Additional ecological information	No information.
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SECTION 13: Disposal considerations

13.1. Waste treatment methods

Appropriate methods of disposal for the chemical	Small quantities can be dissolved/diluted in water and flushed to drain. Large quantities should not be discharged into the drain but removed with absorbing material. Dispose of waste and residues in accordance with local authority requirements.
EWC waste code	EWC waste code: 200115 alkalines Classified as hazardous waste: Yes

SECTION 14: Transport information

Dangerous goods	Yes
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14.1. UN number

ADR/RID/ADN	1719
IMDG	1719
ICAO/IATA	1719

14.2. UN proper shipping name

Proper shipping name English ADR/RID/ADN	CAUSTIC ALKALI LIQUID, N.O.S.
ADR/RID/ADN	CAUSTIC ALKALI LIQUID, N.O.S.
IMDG	CAUSTIC ALKALI LIQUID, N.O.S.
ICAO/IATA	CAUSTIC ALKALI LIQUID, N.O.S.

14.3. Transport hazard class(es)

ADR/RID/ADN	8
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Classification code ADR/RID/ADN	C5
IMDG	8
ICAO/IATA	8

14.4. Packing group

ADR/RID/ADN	II
IMDG	II
ICAO/IATA	II

14.5. Environmental hazards

IMDG Marine pollutant	Danger
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14.6. Special precautions for user

Special safety precautions for user	Risk of burns. Risk to the aquatic environment and the sewerage system.
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14.7. Maritime transport in bulk according to IMO instruments

Product name	CAUSTIC ALKALI LIQUID, N.O.S.
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Additional information

Hazard label ADR/RID/ADN	8
Hazard label IMDG	8
Hazard label ICAO/IATA	8

ADR/RID Other information

Tunnel restriction code	E
Limited quantity	1 L
Transport category	2
Hazard No.	80
Other applicable information ADR/RID	80

IMDG Other information

EmS	F-A, S-B
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SECTION 15: Regulatory information

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

Detergents	According to: Regulation (EC) No 648/2004 of the European Parliament and of the Council of 31 March 2004 on detergents.
Water hazard class (DE)	Water hazard class (WGK): 2: hazard to waters

References (laws/regulations)	Administrative normer for forurensning i arbeidsatmosfæren. FOR 2011-12-06 nr 1358 Forskrift om tiltaks- og grenseverdier. Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments. Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures (CLP-regulation) with later amendments.
Declaration No.	312381

15.2. Chemical safety assessment

Chemical safety assessment performed	No
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SECTION 16: Other information

List of relevant H-phrases (Section 2 and 3)	H290 May be corrosive to metals. H302 Harmful if swallowed. H314 Causes severe skin burns and eye damage. H315 Causes skin irritation. H318 Causes serious eye damage. H335 May cause respiratory irritation. H400 Very toxic to aquatic life. H410 Very toxic to aquatic life with long lasting effects. H411 Toxic to aquatic life with long lasting effects.
Key literature references and sources for data	ECHAs database https://echa.europa.eu/sv/home
Information added, deleted or revised	Relevante endringer, sammenlignet med foregående versjon av sikkerhetsdatabladet, indikeres med vertikal linje i venstre marg.
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