

# SAFETY DATA SHEET

In accordance with 1907/2006 annex II 2015/830 and 1272/2008  
(All references to EU regulations and directives are abbreviated into only the numeric term)  
Revision date 2020-03-09  
Replaces issued SDS 2020-01-30  
Version number 4.0

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

### 1.1. Product identifier

Trade name ABNET Professional

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

Identified uses Cleaning/washing agents  
For professional use

### 1.3. Details of the supplier of the safety data sheet

Company ieasysystem North AB  
Generatorgatan 12  
195 60 Arlandastad  
Sweden  
Telephone +46 8 408 909 00  
E-mail hello@ieasy.se  
Website www.ieasy.se

### 1.4. Emergency telephone number

Acute cases: Call 112, request poison information.

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

Irritates eyes (Category 2), H319

### 2.2. Label elements

Hazard pictogram



Signal word	Warning
Hazard statement	
H319	Causes serious eye irritation
Precautionary statements	
P280	Wear eye protection/face protection
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
P337+P313	If eye irritation persists: Get medical advice/attention

### 2.3. Other hazards

This product does not contain any substances that are assessed to be a PBT or a vPvB  
The product has been tested using an OECD approved method and has been found to be neither corrosive nor irritating, despite the high pH-value.  
Contains no substances included in the candidate list of SVHCs, at levels above 0.1%.

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

Note that the table shows known hazards of the ingredients in pure form. These hazards are reduced or eliminated when mixed or diluted, see Section 16d.

Constituent	Classification	Concentration
<b>FATTY ALCOHOLS, ETHOXYLATED</b>		
CAS No: 61827-42-7	Acute Tox <i>4oral</i> , Eye Dam 1; H302, H318	≥2.5 - <10 %
<b>POTASSIUM PYROPHOSPHATE</b>		
CAS No: 7320-34-5 EC No: 230-785-7 REACH: 01-2119489369-18	Eye Irrit 2; H319	≥2.5 - <10 %
<b>QUATERNARY C12-14 ALKYL METHYL AMINE ETHOXYLATE METHYL CHLORIDE</b>		
CAS No: 1554325-20-0 EC No: 810-152-7	Acute Tox <i>4oral</i> , Skin Irrit 2, Eye Dam 1; H302, H315, H318	≥2.5 - <10 %

Explanations to the classification and labelling of the ingredients are given in Section 16e. Official abbreviations are printed in normal font. Text in italics are specifications and/or complements used in the calculation of the classification of this mixture, see Section 16b.

Contents according to 648/2004.

5-<15% Non-ionic surfactants.

<5% Cationic surfactants.

<5% Phosphates.

<5% Phosphonates.

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

#### Generally

In case of concern, or if symptoms occur, call a doctor/physician.

Never attempt to administer liquid, or anything else, to an unconscious person via the mouth.

#### Upon breathing in

Allow the injured person to rest in a warm place with fresh air, if symptoms persist seek medical attention.

#### Upon eye contact

Remove contact lenses immediately if possible.

Rinse the eye for several minutes with lukewarm water. If irritation persists call a doctor/ophthalmologist.

#### Upon skin contact

Normal washing of the skin is considered sufficient; If nevertheless symptoms do occur, contact a physician.

#### Upon ingestion

Rinse mouth out thoroughly first with water, then SPIT OUT the rinse water. Drink at least half a litre of water and seek medical advice. DO NOT INDUCE VOMITING.

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

#### Upon eye contact

Irritation.

#### Upon skin contact

Prolonged contact may cause skin irritation.

#### Upon ingestion

May cause irritation of mucous membranes, nausea and vomiting.

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

Symptomatic treatment.

Upon contact with a doctor, make sure to have the label or this safety data sheet with you.

## SECTION 5: Fire-fighting measures

### 5.1. Extinguishing media

#### Recommended extinguishing agents

Not combustible; Extinguished with materials intended for the surrounding fire.

#### Unsuitable extinguishing agents

Among common extinguishing agents there are none that are overtly unsuitable.

### 5.2. Special hazards arising from the substance or mixture

Produces fumes containing harmful gases (carbon monoxide and carbon dioxide) when burning, and, in case of incomplete combustion, aldehydes and other toxic, harmful, irritant or environmentally harmful substances.

### 5.3. Advice for fire-fighters

Protective measures should be taken regarding other material at the site of the fire.

In case of fire use proper breathing apparatus.

Wear full protective clothing.

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

Do not inhale the product and avoid exposure to skin and eyes.

Keep unauthorized and unprotected people at a safe distance.

Use recommended safety equipment, see section 8.

Note that there is a risk of slipping if product is leaking/spilling.

### 6.2. Environmental precautions

Avoid release to drains, soil or watercourses.

### 6.3. Methods and material for containment and cleaning up

Absorb the liquid with an inert absorbent, vermiculite, for example. Collect the material for disposal at a waste disposal facility.

Residues left behind after cleaning shall be treated as hazardous waste. For further information, contact the local authority sanitisation works. Present this safety data sheet.

Rinse area thoroughly with water.

Ensure good ventilation after sanitation.

### 6.4. Reference to other sections

See section 8 and 13 for personal protection equipment and disposal considerations.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Store this product separately from food items and keep it out of the reach of children and pets.

Do not eat, drink or smoke in premises where this product is handled.

Avoid spillage, inhalation and contact with eyes and skin.

Wash your hands after using the product.

Wash contaminated clothing before reuse.

Remove contaminated clothing.

The usual precautions for handling chemicals should be observed.

Use recommended safety equipment, see section 8.

Keep away from incompatible products.

### 7.2. Conditions for safe storage, including any incompatibilities

Keep out of reach for children.

Store separately from food and animal fodder, incl. utensils or surfaces which have been in contact with these things.

Store in the original packaging or in containers of the same material.

Always use sealed and visibly labeled packages.

Store frost free.

Do not store close to incompatible materials (see section 10.5).

### 7.3. Specific end uses

See identified uses in Section 1.2.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### 8.1.1. National limit values

All ingredients (cf. Section 3) lack occupational exposure limit values.

#### DNEL

##### POTASSIUM PYROPHOSPHATE

	Type of exposure	Route of exposure	Value
Consumer	Chronic Systemic	Inhalation	10.87 mg/m <sup>3</sup>
Worker	Chronic Systemic	Inhalation	44.08 mg/m <sup>3</sup>

#### PNEC

##### POTASSIUM PYROPHOSPHATE

Environmental protection target	PNEC value
Fresh water	0.05 mg/l
Marine water	0.005 mg/l
Microorganisms in sewage treatment	50 mg/l

### 8.2. Exposure controls

To prevent occupational risks the health hazards for this product or any of the ingredients should be taken into account (see sections 2, 3 and 11), according to EU Directive 89/391 and 98/24 and national jurisdiction for occupational risks.

#### 8.2.1. Appropriate engineering controls

Handle in premises which have modern ventilation standards.  
Eye-rinsing facilities shall be available at the workplace.

#### Eye/face protection

Use protective glasses with tight seals according to standard EN166.  
When spraying, use a visor according to standard EN166.

#### Skin protection

Selection of gloves should take into consideration other chemicals being handled, physical conditions and mobility needs.  
Wear protective gloves (EN 374) upon repeated or prolonged exposure.  
Use gloves of natural rubber (latex) or PVC which comply with standard EN374.  
Use suitable protective clothing.

#### Respiratory protection

Use appropriate respiratory protective equipment in case of insufficient ventilation.  
A breathing mask of the A filter (brown) type, or a IIB (P2) dust filter may be required.

#### 8.2.3. Environmental exposure controls

Work with the product should take place in such a way that the product does not get into soils and waterways.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

a) Appearance	Form: liquid.
b) Odour	Not indicated
c) Odour threshold	Not indicated
d) pH	When supplied, pH is: 12.75 In working solution the pH value is: 12
e) Melting point/freezing point	Not indicated
f) Initial boiling point and boiling range	Not indicated
g) Flash point	Not indicated
h) Evaporation rate	Not indicated
i) Flammability (solid, gas)	Not applicable
j) Upper/lower flammability or explosive limits	Not indicated
k) Vapour pressure	Not indicated
l) Vapour density	Not indicated
m) Relative density	>1
n) Solubility	Solubility in water: Soluble
o) Partition coefficient: n-octanol/water	Not applicable
p) Auto-ignition temperature	Not indicated
q) Decomposition temperature	Not indicated
r) Viscosity	Not indicated
s) Explosive properties	Not applicable
t) Oxidising properties	Not applicable

### 9.2. Other information

No data available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

The product contains no substances which can lead to hazardous reactions at normal use.

### 10.2. Chemical stability

The product is stable at normal storage and handling conditions.

### 10.3. Possibility of hazardous reactions

No hazardous reactions known during normal use.

### 10.4. Conditions to avoid

Avoid frost.

### 10.5. Incompatible materials

Avoid contact with oxidizers.

Avoid contact with acids.

### 10.6. Hazardous decomposition products

None under normal conditions.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Information on possible health hazards are based on experience and / or toxicological properties of several components in the product.

#### Acute toxicity

The product is not classified as harmful to health.

#### POTASSIUM PYROPHOSPHATE

LD50 rabbit 24h: > 7940 mg/kg Dermal

LD50 rat 24h: > 2000 mg/kg Orally

#### QUATERNARY C12-14 ALKYL METHYL AMINE ETHOXYLATE METHYL CHLORIDE

LD50 rat 24h: 833 mg/kg Orally

**Skin corrosion/irritation**

The product is, despite the extreme pH-value, not classified as corrosive/irritant based on corresponding test results.

**Serious eye damage/irritation**

Irritating to eyes.

**Respiratory or skin sensitisation**

The product is not classified as sensitising.

**Germ cell mutagenicity**

The product is not classified as mutagen.

**Carcinogenicity**

The product is not classified as carcinogenic.

**Reproductive toxicity**

The product is not classified as a reproductive toxicant .

**STOT-single exposure**

The product is not classified for specific organ toxicity after single exposure.

**STOT-repeated exposure**

The product is not classified for specific organ toxicity after repeated exposure.

**Aspiration hazard**

The product is not classified as being toxic for aspiration.

## SECTION 12: Ecological information

### 12.1. Toxicity

Prevent release on land, in water and drains.

The product is not to be labelled as a environmental hazard. However, it is not inconceivable that large emissions, or repeated small emissions, can have a harmful effect on the environment.

**FATTY ALCOHOLS, ETHOXYLATED**

EC50 Freshwater water flea (*Daphnia magna*) 48 h: > 10 mg/L

LC50 Fish 96h: > 10 mg/L

ErC50 Algae 72h: > 10 mg/L

**POTASSIUM PYROPHOSPHATE**

LC50 Rainbow trout (*Oncorhynchus mykiss*) 96h: > 100 mg/L

EC50 Freshwater water flea (*Daphnia magna*) 48 h: > 100 mg/L

**QUATERNARY C12-14 ALKYL METHYL AMINE ETHOXYLATE METHYL CHLORIDE**

LC50 Fish 96h: 1 - 100 mg/l

### 12.2. Persistence and degradability

The surfactants used in this product comply with the criteria for biodegradability under Regulation 648/2004.

### 12.3. Bioaccumulative potential

There is no information regarding bioaccumulation.

### 12.4. Mobility in soil

Information about mobility in nature is not available.

### 12.5. Results of PBT and vPvB assessment

This product does not contain any substances that are assessed to be a PBT or a vPvB.

### 12.6. Other adverse effects

During large spills the pH can increase very significantly locally and cause toxic effects to organisms living in water.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

#### Waste handling of the product

Avoid discharge into sewers.

Discarded products must be disposed of as hazardous waste in accordance with regulations.

Not completely emptied packaging can contain remnants of dangerous substances and should therefore be handled as hazardous waste according to the above. Completely emptied packaging can be recycled.

Observe local regulations.

See also national waste regulations.

#### Classification according to 2008/98

Recommended LoW-code: 20 01 29 detergents containing hazardous substances

## SECTION 14: Transport information

Where not otherwise stated the information applies to all of the UN Model Regulations, i.e. ADR (road), RID (railway), ADN (inland waterways), IMDG (sea), and ICAO (IATA) (air).

### 14.1. UN number

Not classified as dangerous goods

### 14.2. UN proper shipping name

Not applicable

### 14.3. Transport hazard class(es)

Not applicable

### 14.4. Packing group

Not applicable

### 14.5. Environmental hazards

Not applicable

### 14.6. Special precautions for user

Not applicable

### 14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Not applicable

### 14.8 Other transport information

Not applicable

## SECTION 15: Regulatory information

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

Not indicated.

### 15.2. Chemical safety assessment

Chemical safety report according to 1907/2006 Annex I is not required for this product.

## SECTION 16: Other information

### 16a. Indication of where changes have been made to the previous version of the safety data sheet

#### Revisions of this document

Earlier versions

2020-01-30 Changes in section(s) 2, 4, 8, 11.

### 16b. Legend to abbreviations and acronyms used in the safety data sheet

#### Full texts for Hazard Class and Category Code mentioned in section 3

Acute Tox 4oral	Acute toxicity (Category 4 oral)
Eye Dam 1	Irreversible Eye Effects (Category 1)
Eye Irrit 2	Irritates eyes (Category 2)
Skin Irrit 2	Skin Irritant (Category 2)

### 16c. Key literature references and sources for data

#### Sources for data

The majority of the information used on this safety data sheet has been obtained from documents provided by suppliers of the raw materials and valid European directives.

#### Full texts for Regulations mentioned in this Safety Data Sheet

- 1907/2006 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
- 2015/830 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)
- 1272/2008 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
- 648/2004 REGULATION (EC) No 648/2004 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 31 March 2004 on detergents
- 2008/98 DIRECTIVE 2008/98/EC OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 19 November 2008 on waste and repealing certain Directives
- 1907/2006 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

### 16d. Methods of evaluating information referred to in 1272/2008 Article 9 which was used for the purpose of classification

Hazard calculation for this mixture has been performed as a cumulative assessment with the aid of expert assessments in accordance with 1272/2008 Annex I, where all available information which may be significant to establishing the hazards of the mixture was assessed together, and in accordance with 1907/2006 Annex XI.



## **16e. List of relevant hazard statements and/or precautionary statements**

### **Full texts for hazard statements mentioned in section 3**

H302 Harmful if swallowed

H318 Causes serious eye damage

H319 Causes serious eye irritation

H315 Causes skin irritation

## **16f. Advice on any training appropriate for workers to ensure protection of human health and the environment**

### **Warning for misuse**

This product can cause harm if used improperly. The manufacturer, the distributor or the supplier are not responsible for adverse effects if the product is not handled in accordance with its intended use.

### **Other relevant information**

Not indicated

### **Editorial information**



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