

# Purina - application-finished solution



Version number: 5  
Issued: 2021-08-25  
Replaces SDS: 2018-09-17

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

### 1.1. Product identifier

**Trade name**

Purina - application-finished solution

**UFI code**

P18Q-CGC1-6A1S-W3ST

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

**Relevant identified uses**

Fat Solvent for professional users.

**Not suitable for use in**

All other uses are discouraged.

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

**Supplier**

KLEEN PURGATIS GmbH

Street address

Dieselstraße 10  
32120 Hiddenhausen  
Germany

Telephone

+49 (0) 5223 9970-40

Email

info@kleen-purgatis.de

Fax

+49 (0) 5223 9970-195

Web site

www.kleenpurgatis.de

**Contact person**

Regulatory Affairs

**Email address**

info@budich.de

### 1.4. Emergency telephone number

+49 (0) 551 - 19240 (GIZ-Nord)

**Available outside office hours**

Yes

# Purina - application-finished solution



Version number: 5  
Issued: 2021-08-25  
Replaces SDS: 2018-09-17

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

#### **Classification**

Skin irritation, hazard category 2

Eye irritation, hazard category 2

#### **Hazard statements**

H315, H319

### 2.2. Label elements

Labelling according to Regulation (EC) No 1272/2008

#### **Hazard pictograms**



#### **Signal word**

Warning

#### **Hazard statements**

H315 Causes skin irritation.

H319 Causes serious eye irritation.

#### **Precautionary statements**

P102 Keep out of reach of children.

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.

P302 + P352 IF ON SKIN: Wash with plenty of water/soap.

P332 + P313 If skin irritation occurs: Get medical advice/attention.

P301 + P312 IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell.

### 2.3. Other hazards

This mixture does not contain any substances that are classified as PBT or vPvB according to Article 57 / Annex XIII of the REACH regulation.

**Purina - application-finished solution**

Version number: 5  
 Issued: 2021-08-25  
 Replaces SDS: 2018-09-17

**SECTION 3: Composition/information on ingredients****3.2. Mixtures**

Chemical name	CAS No. EC No. REACH No. Index No.	Concentration	Classification	H-phrase M factor acute M factor chronic	Note
2-butoxyethanol	111-76-2 203-905-0 01-2119475108-36-xxxx 603-014-00-0	1 - 5%	Skin Irrit. 2, Eye Irrit. 2, Acute Tox. 4 - oral, Acute Tox. 4 - dermal, Acute Tox. 4 - inhalation	H302, H312, H315, H319, H332 - -	-
sodium p-cumenesulphonate	15763-76-5 239-854-6 01-2119489411-37-xxxx -	1 - 5%	Eye Irrit. 2	H319 - -	-
alcohols, C12-14, ethoxylated	68439-50-9 - 01-2119487984-16-xxxx -	0.5 - <2%	Acute Tox. 4 - oral, Eye Dam. 1, Aquatic Chronic 3	H302, H318, H412 - -	-
potassium hydroxide	1310-58-3 215-181-3 01-2119487136-33-xxxx 019-002-00-8	0.1 - <1%	Skin Corr. 1A, Acute Tox. 4 - oral	H302, H314 - -	Skin Corr. 1A; H314: C ≥ 5 % Skin Corr. 1B; H314: 2 % ≤ C < 5 % Skin Irrit. 2; H315: 0,5 % ≤ C < 2 % Eye Irrit. 2; H319: 0,5 % ≤ C < 2 %;
sodium hydroxide	1310-73-2 215-185-5 01-2119457892-27-xxxx 011-002-00-6	0.1 - <1%	Skin Corr. 1A	H314 - -	Skin Corr. 1A; H314: C ≥ 5 % Skin Corr. 1B; H314: 2 % ≤ C < 5 % Skin Irrit. 2; H315: 0,5 % ≤ C < 2 % Eye Irrit. 2; H319: 0,5 % ≤ C < 2 %;

**Substance additional information**

For the complete text of H- / EUH-statements mentioned in this section, see section 16.

# Purina - application-finished solution



Version number: 5  
Issued: 2021-08-25  
Replaces SDS: 2018-09-17

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

#### Description of first aid measures

First responders: Pay attention to self-protection.

#### Inhalation

Take the victim into fresh air. If symptoms persist, call a physician.

#### Skin contact

If skin irritation persists, call a physician. In case of contact, immediately flush skin with plenty of water. Remove contaminated clothing and shoes.

#### Eye contact

In case of eye contact, remove contact lens and rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Call a physician immediately.

#### Ingestion

Clean mouth with water and drink afterwards plenty of water. Do not induce vomiting.

#### Information for doctors

For specialist advice physicians should contact the Poisons Information Service.

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

Immediate effects can be expected after long-term exposure.

#### Inhalation

Inhalation of vapours is irritating to the respiratory system, may cause throat pain and cough.

#### Skin contact

Causes skin irritation.

#### Eye contact

Liquid causes severe inflammation of conjunctiva and may cause severe damage of the cornea.

#### Ingestion

Ingestion may cause nausea, vomiting, sore throat, stomach-ache and eventually lead to a perforation of the intestine.

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

Treat symptomatically.

Show this safety data sheet to the doctor in attendance.

# Purina - application-finished solution



Version number: 5  
Issued: 2021-08-25  
Replaces SDS: 2018-09-17

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

#### **Suitable extinguishing media**

Water spray, dry powder, foam, carbon dioxide (CO<sub>2</sub>)

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

#### **Unsuitable extinguishing media**

Do not use a solid water stream as it may scatter and spread fire.

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

Not applicable

### 5.3. Advice for firefighters

#### **Special protective equipment for fire-fighters**

Wear self contained breathing apparatus for fire fighting if necessary. Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

#### **Measures in case of fire**

Keep containers and surroundings cool with water spray.

## SECTION 6: Accidental release measures

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

Wear personal protective equipment. Avoid direct contact with the material / product.  
Ensure adequate ventilation.

### 6.2. Environmental precautions

Try to prevent the material from entering drains or water courses.

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

Contain spillage, soak up with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer to a container for disposal according to local / national regulations (see section 13).

### 6.4. Reference to other sections

For personal protection see section 8.  
For information on disposal see section 13.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

#### **Preventive handling precautions**

Avoid direct contact with the material / product. Ensure adequate ventilation, especially in confined areas. Wear personal protective equipment.

# Purina - application-finished solution



Version number: 5  
 Issued: 2021-08-25  
 Replaces SDS: 2018-09-17

**General hygiene**

Wash hands after handling.  
 When using, do not eat, drink or smoke.  
 Handle in accordance with good industrial hygiene and safety practice.

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

Store in original container.  
 Keep away from food, drink and animal feeding stuffs.  
 Store in a place accessible by authorized persons only.

Storage class according to TRGS 510: 12 (non-flammable liquids)

Suitable container and packaging materials for safe storage  
 Unsuitable materials for containers aluminium

Storage temperature: 10°C to 40°C

**7.3. Specific end use(s)**

GISCODE: GG60  
 See section 1.2: Fat Solvent

**SECTION 8: Exposure controls/personal protection****8.1. Control parameters***National occupational exposure limits*

Ingredient	CAS No. EC No.	Exposure limit ppm / mg/m <sup>3</sup>	Short-term exposure limit ppm / mg/m <sup>3</sup>	Source	Remark	Year
2-butoxyethanol (EU)	111-76-2 203-905-0	20 98	50 246	EU OEL	Skin	2000

*DNEL/DMEL*

Product/Substance name (CAS No./EC No.)	Type	Exposure	Value	Population	Effects
potassium hydroxide (1310-58-3/215-181-3)	DNEL	Chronic (long term) Inhalation	1 mg/kg	Workers	Local
sodium hydroxide (1310-73-2/215-185-5)	DNEL	Chronic (long term) Inhalation	1 mg/m <sup>3</sup>	Workers	Local
2-butoxyethanol (111-76-2/203-905-0)	DNEL	Chronic (long term) Inhalation	98 mg/m <sup>3</sup>	Workers	Systemic

**Purina - application-finished solution**

Version number: 5  
 Issued: 2021-08-25  
 Replaces SDS: 2018-09-17

Product/Substance name (CAS No./EC No.)	Type	Exposure	Value	Population	Effects
2-butoxyethanol (111-76-2/203-905-0)	DNEL	Acute (short term) Inhalation	663 mg/m <sup>3</sup>	Workers	Systemic
2-butoxyethanol (111-76-2/203-905-0)	DNEL	Chronic (long term) Dermal	75 mg/kg	Workers	Systemic
2-butoxyethanol (111-76-2/203-905-0)	DNEL	Acute (short term) Dermal	89 mg/kg	Workers	Systemic
sodium p-cumenesulphonate (15763-76-5/239-854-6)	DNEL	Chronic (long term) Dermal	136.25 mg/kg	Workers	Systemic
sodium p-cumenesulphonate (15763-76-5/239-854-6)	DNEL	Chronic (long term) Inhalation	26.9 mg/m <sup>3</sup>	Workers	Systemic

PNEC/PEC

Product/Substance name (CAS No./EC No.)	Type	Environmental compartment	Value
2-butoxyethanol (111-76-2/203-905-0)	PNEC	Freshwater	8.8 mg/l
2-butoxyethanol (111-76-2/203-905-0)	PNEC	Sewage Treatment Plant	463 mg/l
2-butoxyethanol (111-76-2/203-905-0)	PNEC	Soil	2.8 mg/kg
sodium p-cumenesulphonate (15763-76-5/239-854-6)	PNEC	Freshwater	0.23 mg/l
sodium p-cumenesulphonate (15763-76-5/239-854-6)	PNEC	Sewage Treatment Plant	100 mg/kg
sodium p-cumenesulphonate (15763-76-5/239-854-6)	PNEC	Sediment (freshwater)	0.862 mg/kg
sodium p-cumenesulphonate (15763-76-5/239-854-6)	PNEC	Soil	0.037 mg/kg

**8.2. Exposure controls****Appropriate engineering controls**

Ensure adequate ventilation, especially in confined areas.

**Eye / face protection**

Safety glasses with side-shields conforming to EN166

# Purina - application-finished solution



Version number: 5  
Issued: 2021-08-25  
Replaces SDS: 2018-09-17

## **Hand protection**

Wear chemical-resistant disposable protective gloves according to EN 374.

Suitable material: Butyl (butyl rubber) or NBR (nitrile rubber), category III according to EN 374.

The choice of an appropriate glove does not only depend on its material but also on other quality features and is different from one producer to the other. Take note of the information given by the producer concerning permeability and break through times, and of special workplace conditions (mechanical strain, duration of contact).

## **Other skin protection**

Not required.

## **Respiratory protection**

No personal respiratory protective equipment normally required.

## **Thermal hazards**

Not applicable

## **Environmental exposure controls**

No special environmental precautions required.

## **SECTION 9: Physical and chemical properties**

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

#### **Physical state**

Liquid

#### **Colour**

Yellow

#### **Odour**

fresh scent

#### **Odour threshold**

Not applicable.

#### **Melting point / freezing point**

Not determined for the mixture.

#### **Boiling point or initial boiling point and boiling range**

Not determined for the mixture.

#### **Flammability**

Not applicable.

#### **Lower and upper explosion limit**

The product / mixture has no explosive properties.



According to Regulation (EC) No 1907/2006

# Purina - application-finished solution



Version number: 5  
Issued: 2021-08-25  
Replaces SDS: 2018-09-17

## **Flash point**

> 65 °C

## **Auto-ignition temperature**

Not applicable.

## **Decomposition temperature**

Not applicable

## **pH**

13

## **Method**

pH concentrate

## **Kinematic viscosity**

Not determined for the mixture.

## **Viscosity, dynamic**

Not determined for the mixture.

## **Solubility**

Not determined for the mixture.

## **Water solubility**

miscible

## **Partition coefficient n-octanol/water**

Not available

## **Vapour pressure**

Not available

## **Density and/or relative density**

1.02 g/cm<sup>3</sup>

## **Relative vapour density**

Not applicable.

## **Evaporation Rate**

Not determined for the mixture.

## **Explosive properties**

Not explosive

## **Oxidising properties**

The product / mixture has no oxidizing properties.

## **VOC %**

4.3 %

# Purina - application-finished solution



Version number: 5  
 Issued: 2021-08-25  
 Replaces SDS: 2018-09-17

## 9.2. Other information

This product / mixture does not contain any nanomaterials or nanoforms as defined in Regulation (EC) 1907/2006.

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Stable at normal conditions

### 10.2. Chemical stability

The product is chemically stable.

### 10.3. Possibility of hazardous reactions

None under normal use.

### 10.4. Conditions to avoid

Avoid temperatures above 60°C, direct sunlight and contact with sources of heat.

### 10.5. Incompatible materials

strong acids , light metals

### 10.6. Hazardous decomposition products

No hazardous decomposition products are known.

## SECTION 11: Toxicological information

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

Causes severe caustic burns to skin and eyes.

#### Acute toxicity

Product / Substance name CAS / EC no.	Dose descriptor	Value / Dose	Exposure route	Duration of exposure	Test animals	Method / Guideline	Remarks
potassium hydroxide 1310-58-3 / 215-181-3	LD50	333-388 mg/kg	Oral	-	rat	-	ECHA
2-butoxyethanol 111-76-2 / 203-905-0	LD50	1414 mg/kg	Oral	-	guinea pig	OECD 401	-
2-butoxyethanol	LC50	450 - 900 mg/l	Inhalation	4h	rat	-	-

**Purina - application-finished solution**

Version number: 5  
 Issued: 2021-08-25  
 Replaces SDS: 2018-09-17

Product / Substance name CAS / EC no.	Dose descriptor	Value / Dose	Exposure route	Duration of exposure	Test animals	Method / Guideline	Remarks
111-76-2 / 203-905-0							
2- butoxyethanol 111-76-2 / 203-905-0	LD50	1.000-2.000 mg/kg	Dermal	-	rabbit	-	-
sodium p- cumenesul- phonate 15763-76-5 / 239-854-6	LD50	> 5.000 mg/kg	Oral	-	rat	OECD 401	-
sodium p- cumenesul- phonate 15763-76-5 / 239-854-6	LC50	> 5 mg/l	Inhalation	232 min.	rat	-	-
sodium p- cumenesul- phonate 15763-76-5 / 239-854-6	LD50	> 2.000 mg/kg	Dermal	-	rabbit	-	-
Alcohols, C12- 14, ethoxylated 68439-50-9 /	LD50	<2.000 mg/kg	Oral	-	rat	-	-

**Skin corrosion/irritation**

Causes skin irritation.

**Serious eye damage/irritation**

Causes severe eye burns.

**Respiratory or skin sensitisation**

Based on the available data, the classification criteria are not met.

**Germ cell mutagenicity**

Based on the available data, the classification criteria are not met.

**Genotoxicity**

Based on the available data, the classification criteria are not met.

# Purina - application-finished solution



Version number: 5  
 Issued: 2021-08-25  
 Replaces SDS: 2018-09-17

**Mutagenicity**

Based on the available data, the classification criteria are not met.

**Carcinogenicity**

Based on the available data, the classification criteria are not met.

**Repeated dose toxicity**

Based on the available data, the classification criteria are not met.

**Reproductive toxicity**

Based on the available data, the classification criteria are not met.

**STOT-single exposure**

Based on the available data, the classification criteria are not met.

**STOT-repeated exposure**

Based on the available data, the classification criteria are not met.

**Aspiration hazard**

Based on the available data, the classification criteria are not met.

**11.2. Information on other hazards**

**Endocrine disrupting properties**

The mixture / product does not contain any ingredients with endocrine disrupting properties in terms of regulations (EC) 1907/2006 and (EU) 2018/605 and the delegated regulation (EU) 2017/2100.

**Other information**

There is no data available for this product.

**SECTION 12: Ecological information**

**12.1. Toxicity**

**Toxicity**

No data is available on the product itself.  
 Toxicology data for the components .

**Acute fish toxicity**

Product / Substance name CAS / EC no.	Measurement type	Value / Result	Duration of exposure	Species	Method / Guideline	Remark
2-butoxyethanol 111-76-2 / 203-905-0	LC50	1.474 mg/l	96 h	Rainbow trout	OECD 203	-

**Purina - application-finished solution**

Version number: 5  
 Issued: 2021-08-25  
 Replaces SDS: 2018-09-17

Product / Substance name CAS / EC no.	Measurement type	Value / Result	Duration of exposure	Species	Method / Guideline	Remark
sodium p-cumenesulphonate 15763-76-5 / 239-854-6	LC50	>100 mg/l	96 h	Rainbow trout	Static test	literature value

**Acute algae toxicity**

Product / Substance name CAS / EC no.	Measurement type	Value / Result	Duration of exposure	Endpoint of the test	Species	Method / Guideline	Remark
2-butoxyethanol 111-76-2 / 203-905-0	EC50 NOEC	1.840 mg/l 286 mg/l	72 h	Growth rate	Pseudokirchneriella subcapitata	OECD 201	-
sodium p-cumenesulphonate 15763-76-5 / 239-854-6	EC50	>100mg/l	96 h	-	Pseudokirchneriella subcapitata	Static test	literature value

**Acute crustacean toxicity**

Product / Substance name CAS / EC no.	Measurement type	Value / Result	Duration of exposure	Species	Method / Guideline	Remark
sodium hydroxide 1310-73-2 / 215-185-5	EC50	40,4 mg/l	48 h	Ceriodaphnia dubia (Wasserfloh)	-	ECHA
2-butoxyethanol 111-76-2 / 203-905-0	EC50	1.550 mg/l	48 h	Daphnia magna (Water flea)	OECD 202	-
sodium p-cumenesulphonate 15763-76-5 /	EC50	>100 mg/l	48 h	Daphnia magna (Water flea)	Static test	literature value

# Purina - application-finished solution



Version number: 5  
 Issued: 2021-08-25  
 Replaces SDS: 2018-09-17

## Micro-/macro organism toxicity

Product / Substance name CAS / EC no.	Measurement type	Value / Result	Duration of exposure	Species	Method / Guideline
sodium p-cumenesulphonate 15763-76-5 / 239-854-6	EC10	>1.000 mg/l	3 h	Activated sludge	OECD 209
2-butoxyethanol 111-76-2 / 203-905-0	EC0	700 mg/l	16 h	Pseudomonas putida	DIN 38412

### 12.2. Persistence and degradability

#### Persistence and degradability

The surfactants contained in this mixture / product meet the requirements for biodegradability in accordance with Regulation (EC) No. 648/2004 on detergents.

### 12.3. Bioaccumulative potential

#### Bioaccumulative potential

No information is available for this item.

### 12.4. Mobility in soil

#### Mobility

No information is available for this item.

### 12.5. Results of PBT and vPvB assessment

This mixture does not contain any substances that are classified as PBT or vPvB according to Article 57 / Annex XIII of the REACH regulation.

### 12.6. Endocrine disrupting properties

The mixture / product does not contain any ingredients with endocrine disrupting properties in terms of regulations (EC) 1907/2006 and (EU) 2018/605 and the delegated regulation (EU) 2017/2100.

### 12.7. Other adverse effects

#### Other adverse effects

This product / mixture does not contain any substances within the meaning of Regulation (EC) No. 1005/2009 that deplete the ozone layer.

# Purina - application-finished solution



Version number: 5  
Issued: 2021-08-25  
Replaces SDS: 2018-09-17

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

#### Disposal considerations

Dispose of as hazardous waste in compliance with local and national regulations.

#### Packaging

Empty containers should be taken for local recycling, recovery or waste disposal.

Do not re-use empty containers.

Contaminated packaging : Dispose of as unused product.

Waste code	Description
20 01 29*	detergents containing hazardous substances

Please note - an asterisk (\*) next to a code denotes that it is HAZARDOUS WASTE.

## SECTION 14: Transport information

### 14.1. UN number

Not classified as dangerous in the meaning of transport regulations.

### 14.2. UN proper shipping name

Not classified as dangerous in the meaning of transport regulations.

### 14.3. Transport hazard class(es)

#### Label

Not required.

### 14.4. Packing group

Not classified as dangerous in the meaning of transport regulations.

### 14.5. Environmental hazards

#### Environmental hazards

Not classified as dangerous in the meaning of transport regulations.

### 14.6. Special precautions for user

Not classified as dangerous in the meaning of transport regulations.

### 14.7. Maritime transport in bulk according to IMO instruments

Not applicable.

### Other

No data available

# Purina - application-finished solution



Version number: 5  
Issued: 2021-08-25  
Replaces SDS: 2018-09-17

## SECTION 15: Regulatory information

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

#### EU regulations

Regulation (EC) No. 648/2004 (detergents)

Ingredients according to Annex VII: <5% non-ionic surfactants. Contains perfumes

Regulation (EC) No. 1272/2008 (CLP)

EU Regulation (EC) No. 1907/2006 (REACH)

Substances subject to authorization according to Annex XIV: No

Substance restrictions according to Annex XVII: No

Substances on the REACH candidate list (SVHC): No

Regulation (EU) No. 528/2012 (BPR)

Active ingredients: not applicable

Regulation (EU) 2019/1148 (explosives)

Restricted raw material according to Annex I: not applicable

Notifiable raw materials according to Annex II: not applicable

Directive 2011/65 / EU (ROHS 2)

Substance restrictions according to Annex II: not applicable

Regulation (EU) 2019/1021 (POP)

Persistent organic pollutants: not applicable

Directive 2012/18/EU (Seveso III)

Seveso hazard category: not applicable

#### National regulations

In addition, comply with all national and local regulations for the handling of chemicals.

#### Other regulations, limitations and legal regulations

Take note of Dir 94/33/EC on the protection of young people at work.

### 15.2. Chemical safety assessment

The mixture has not been subjected to a safety assessment.

## SECTION 16: Other information

#### Changes to previous revision

Adaptation to the amending regulation (EU) 2020/878



# Purina - application-finished solution



Version number: 5  
Issued: 2021-08-25  
Replaces SDS: 2018-09-17

## **Abbreviations**

ADN - Accord européen relatif au transport international des marchandises dangereuses par voie de navigation intérieure  
ADR - Accord relatif au transport international des marchandises Dangereuses par Route  
CAS - Chemical Abstract Service  
CLP - Classification, Labelling and Packaging  
DMEL - Derived Minimum Effect Level  
DNEL - Derived no effect level  
EC50 - Half maximal effective concentration 50%  
GHS - Globally Harmonised System  
IATA - International Air Transport Association  
IMDG - International Maritime Dangerous Goods  
LC50 - Lethal concentration 50%  
LD50 - Lethal dosis 50 %  
MARPOL - International Convention for the Prevention of Pollution from Ships  
PBT - Persistent, bioaccumulative and toxic substance  
PEC - Predicted Environmental Concentration  
PNEC - predicted no effect concentration  
REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals  
RID - Reglement concernant le transport international ferroviaire de marchandises Dangereuses  
SVHC - Substance of very high concern  
vPvB - Very persistent, very bioaccumulative substance

## **References to key literature and data sources**

REACH registration dossiers  
ECHA C&L - Inventory  
Safety data sheets from raw material suppliers

## **Evaluation methods for classification**

Classification for mixtures and used evaluation method according to Article 9 of regulation (EC) 1272/2008 [CLP]:  
Health hazards: calculation method

# Purina - application-finished solution



Version number: 5  
Issued: 2021-08-25  
Replaces SDS: 2018-09-17

## **Phrase meaning**

Skin Corr. 1A - Skin corrosion, hazard category 1A  
Acute Tox. 4 - oral - Acute toxicity, oral, hazard category 4  
Skin Irrit. 2 - Skin irritation, hazard category 2  
Eye Irrit. 2 - Eye irritation, hazard category 2  
Acute Tox. 4 - dermal - Acute toxicity, dermal, hazard category 4  
Acute Tox. 4 - inhalation - Acute toxicity, inhalation, hazard category 4  
Eye Dam. 1 - Serious eye damage, hazard category 1  
Aquatic Chronic 3 - Hazardous to the aquatic environment — Chronic hazard category 3  
H302 Harmful if swallowed.  
H312 Harmful in contact with skin.  
H314 Causes severe skin burns and eye damage.  
H315 Causes skin irritation.  
H318 Causes serious eye damage.  
H319 Causes serious eye irritation.  
H332 Harmful if inhaled.  
H412 Harmful to aquatic life with long lasting effects.

## **Other**

### **Additional information**

This safety data sheet is prepared in accordance with Commission Regulation (EU) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878.

### **Manufacturer's notes**

Legal disclaimer: The above information is believed to be correct. This company shall not be held liable for any damage resulting from handling or from contact with the above product.