



According to regulation (EG) no. 1907/2006 (REACH) and additional regulation (EU) 2015/830  
Date of issue: 07-10-2019 Revision date:: 17-11-2020

Version: 3.0

## SECTION 1: Identification of the substance or mixture and of the supplier

### 1.1. Product identification

Product type: Bike Cleaner  
Trade name: MUC-OFF Punk Powder  
Product code: 20461, 20469, 20561

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

- 1.2.1. Relevant identified uses  
Main use category: Professional use  
Use of the substance / mixture: Cleaning agent
- 1.2.2. Uses advised against  
Do not consume.  
Not intended as cosmetic product (skin care).

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

Muc-Off Ltd  
Unit 23 Branksome Business Park,  
Bourne Valley Rd,  
Poole  
BH12 1DW  
United Kingdom

### 1.2. Emergency telephone number

+44 (0) 1202 307790

## SECTION 2: Identification of hazards

### 2.1. Classification of the substance or mixture:

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

**Severe eye damage/irritation, Category 2 H319**

Adverse physical-chemical, health and environmental effects: Causes serious eye irritation.

If the product has been dissolved in water and is ready for use in accordance with the dilution instructions, the solution is **not classified in accordance with Regulation (EC) No. 1272/2008 [CLP]**.

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Full text of the classification and the H phrases: see section 16.

### 2.2. Labelling elements

Labelling in accordance with Regulation (EC) No 1272/2008 [CLP].

#### General requirements:

Hazard pictograms (CLP) :



Signal word (CLP) :

Warning

Hazard statements (CLP) :

H319 - Causes severe eye irritation.

Safety advice (CLP) :

P102 - Keep out of reach of children.

P280 - Wear eye 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.

#### Reduced labelling requirements (> 10 ml and ≤125 ml):

Hazard pictograms (CLP) :



Signal word (CLP) :

Warning

#### Reduced labelling requirements (≤ 10 ml):

No marking required, if already present on an outer packaging of > 10 ml.

### 2.3. Other hazards

If the product has been dissolved in water according to instruction, and is in its diluted form ready to use, the classification according to Regulation (EC) No 1272/2008 [CLP] is no longer valid and the **labelling elements do not apply.**

## SECTION 3: Composition and information on ingredients

### 3.1. Substances

Not applicable.

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### 3.2. Mixtures:

#### Description of the product. / chemical characterization:

Cleaner based on surfactants

#### Hazardous components classification according to Regulation (EC) No. 1272/2008 [CLP]:

Product identification	Productname and classification	w/w %
(CAS No.) 77-92-9 (Einecs No.) 201-069-1 (REACH No.) 01-2119457026-42-0004 (EU -code Food Additive) E330	2-hydroxypropane-1,2,3-carboxylic acid Eye Irrit. 2 H319	5-15
(CAS No.) 25155-30-0 (Einecs No.) 246-680-4 (REACH No.) 01-2119565112-48-0000 (EU -code Food Additive) E211	C10-13 Linear alkyl benzene sulphonate Skin Irrit. 2 H315 / Eye Dam. 1 H318 / Aquatic Chronic 3 H412	15-30
(CAS No.) 497-19-8 (Einecs No.) 207-838-8 (REACH No.) 01-2119485498-19-0018 (EU -code Food Additive) E500(III)	Sodium carbonate Eye Irrit. 2 H319	5-15

#### Additional information:

Full text of classifications: see section 16

#### Hazardous components labelling in accordance with regulation EC No 648/2004:

Contains: anionic surfactants 15-30%

## SECTION 4: First-aid measures

### 4.1. Description of first aid measures

First aid in general : In case of doubt or irritation, consult a doctor. When seeking medical advice, keep the packaging or the label at your disposal.

First aid after inhalation : Allow fresh air to breathe.

First aid after skin contact : Wash skin with mild soap and water.

First aid after eye contact : In case of eye contact, rinse immediately with clean water for 10-15 minutes. If eye irritation persists, seek medical advice/ assistance.

First aid after ingestion : Rinse mouth. DO NOT induce vomiting. Drink water. Seek medical advice immediately and show this container or label.

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

Symptoms/effects : Not considered to present a serious risk under normal conditions of use.

Symptoms/effects after inhalation : Under normal conditions of use none.

Symptoms/effects after skin contact : Not considered to be a serious skin hazard.

Symptoms/effects after eye contact : May cause severe irritation. Redness.

Symptoms/effects after ingestion : May cause irritation of the mouth wall, throat, stomach and intestinal tract.

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

If in doubt or if irritated, consult a physician. When seeking medical advice, keep the packaging or label available.

## SECTION 5: Fire-fighting measures

### 5.1. Extinguishing media

Suitable extinguishing media : Extinguishing powder, Carbon dioxide (CO<sub>2</sub>), atomized water.

Unsuitable extinguishing media : Hard water jet.

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

Fire hazard : The product is neither sustaining fire nor an oxidiser.

Exposure to decomposition products may cause a health hazard.

### 5.3. Advice for firefighters

Protection during firefighting : Adapt firefighting measures to the environment and circumstances.

## SECTION 6: Accidental release measures

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

General measures : The spillage on a hard surface can cause a serious slip or fall risk.

6.1.1. For persons other than the emergency services: no additional information available.

6.1.2. For the emergency services: no additional information available.

### 6.2. Environmental precautions

Do not allow unnecessary draining into sewers or public waters.

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

Methods of cleaning : Clean up any spilled product as much as possible and store in a container.

Rinse off any remaining residue with plenty of water.

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### 6.4. Reference to other sections

Personal precautions: See section 8.

Handling and storage: See section 7.

Recommendations for disposal: See section 13.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling of the substance or mixture

Observe the usual precautions when handling chemicals. Avoid contact with skin and eyes. Do not eat, drink or smoke in areas where the product is used. Keep container tightly closed to avoid contamination and moisture absorption. Emergency eye showers and/or safety showers should be installed near any place where there is a risk of exposure.

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

Follow the recommendations on the label. Store in tightly closed container. Store in a well-ventilated, **dry** place at 5°C to 30°C. Protect from heat and sunlight. Keep away from sources of ignition.

### 7.3. Specific end use

When the product is used as specified in Section 1.2, under normal conditions of use, no special measures are required. The necessary measures can be found in Sections 7.1 and 7.2.

## SECTION 8: Exposure controls/personal protection measures

### 8.1. Control parameters

No data available.

### 8.2. Exposure control measures

Technical measures:

Provide a sufficiently ventilated workplace, which can be achieved by sufficient local or room ventilation. Provide eye showers close to the workplace.

Personal protective measures:

**HAND PROTECTION:** In case of prolonged or repeated contact, use suitable protective gloves (butyl rubber, nitril rubber (EN374)). Detailed specification to be defined based on the activity.

**EYE PROTECTION:** Use eye protection.

**HYGIENIC MEASURES:** Wash hands after use with water and a mild soap.

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**SKIN PROTECTION:** In case of prolonged or repeated contact, use suitable protective clothing.

**RESPIRATORY SYSTEM:** In case of normal use, no measures are needed

Appropriate environmental measures:

See chapters 6.2 and 6.3. No supernumerary measures are required

### SECTION 9: Physical and chemical properties

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

Parameter	Mixture (as is)	Solution in water, 3% (RTU)
Physical appearance	Solid, microgranulate	Solution
Color	Colored, pink	Colored, pink
Odor	None	None
pH, 3% w/w water @ 20 °C	-	9 ± 1
Density, g/L @ 20 °C	700 ± 100	1000 ± 100
Boiling point/ range	-	100 °C

#### 9.2. Other information

No additional information available.

### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

The product is not reactive under normal conditions of use, storage and transport.

#### 10.2. Chemical stability

Stable when applying the recommended storage and handling requirements. For further information on proper handling and storage, see section 7.

#### 10.3. Potentially hazardous reactions

Keep away from strong acids, strong alkalis and strong oxidizing agents in order to avoid exothermic reactions. Do not mix with other cleaning agents.

#### 10.4. Conditions to avoid

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Stable when applying the recommended storage and handling requirements. Hazardous decomposition products may occur when exposed to high temperatures. For further information on proper handling and storage, see section 7.

### 10.5. Incompatible materials

No data available.

### 10.6. Hazardous decomposition products

Exposure to decomposition products may present a health hazard.

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

Product name	LD50 oral	LD50 dermal
2-hydroxypropane-1,2,3-carboxylic acid	LD50 Rat: > 3.000 mg/kg; Source: TOXNET	LD50 Rat: > 2.000 mg/kg Guideline test OECD 402 (anhydrous substance)
C10-13 Linear alkyl benzene sulphonate	LD50 Rat: 2.000 - 5.000 mg/kg; Guideline test OECD 401	LD50 Rat: > 2.000 mg/kg; Guideline test OECD 402
Sodium carbonate	LD50 Rat: 2.800 mg/kg	LD50 , Rabbit: > 2000 mg/kg; Method: EPA 16 CFR 1500.40

Acute toxicity (oral) : not classified

Acute toxicity (dermal) : not classified

Acute toxicity (inhalation) : not classified

Serious eye injury/eye irritation : causes serious eye irritation, pH: 9

Inhalation hazard : not classified

Respiratory/skin sensitisation : not classified

Carcinogenicity : not listed as carcinogenic.

Mutagenicity : not listed as mutagenic.

Reproductive toxicity : not indicated for reproductive toxicity.

STOT:

- for single exposure:

Animal : No effects known. Human : Not indicated for organ toxicity.

- Repeated exposure:

Animal : No effects known. Human : Not indicated for organ toxicity.

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### SECTION 12: Ecological information

#### 12.1. Toxicity

Product name	Acute ecotoxicity	Chronic ecotoxicity
2-hydroxypropane-1,2,3-carboxylic acid	EC50 Daphnia, 72u: 120 mg/l; EC50 Pseudomonas putida, 16u: > 100.000 mg/l LC50 Fish-Leucisnus idus, 96u: 440-760 mg/l	-
C10-13 Linear alkyl benzene sulphonate	LC50/ EC50: 4,1 mg/l (ref: EU Ecolabel, DID-list)	NOEC: 0,69 mg/l (ref: EU Ecolabel, DID-list)
Sodium carbonate	LC50 Freshwaterfish, 96u: 300 mg/l EC50 Freshwater invertebrates, 48u : 200-227 mg/l	n.v.t. Dissociates (salt),ions are common in nature

#### 12.2 Persistence and degradability

The surfactant(s) in this preparation meets the biodegradability criteria laid down in Regulation (EC) No 648/2004 on detergents. Data to support this claim will be kept available for the competent authorities of the Member States and will be made available to them upon direct request or at the request of a detergent manufacturer.

Reference: C10-13 Linear alkyl benzene sulphonate .

Readily biodegradable; > 70 %; 28d; aerobic; OECD Test Guideline 301A.

#### 12.3 Bioaccumulation

Reference: C10-13 Linear alkyl benzene sulphonate.

Bioaccumulation is unlikely.

#### 12.4 Mobility in soil

Is not expected to adsorb on soil. The investigation is not necessary.

Reason: Easily biodegradable.

#### 12.5 Results of PBT and vPvB assessment

This substance is not considered persistent, bio accumulative or toxic (PBT). On the basis of the available information, the criteria for classification are not met.

#### 12.6 Other adverse effects

No additional information available.



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### SECTION 13: Disposal consideration

#### 13.1 Waste treatment methods

Reuse spill losses and debris rather than dispose of or incinerate. Small debris may be washed away with plenty of water, provided it complies with local or national regulations.

#### 13.2 Packaging

The (re)packaging of the product is compostable or recyclable. Associated spray bottles are reusable.

### SECTION 14: Transport information

#### 14.1. UN number

Not classified as hazardous for transport.

#### 14.2. Correct cargo name in accordance with the UN Model Regulations.

Not applicable

#### 14.3. Transport hazard class(es)

Not applicable

#### 14.4. Packing group

Not applicable

#### 14.5. Environmental hazards

Land transport (ADR/RID): not applicable

Marine pollutant: not applicable

#### 14.6. Special precautions for the user

Always transport in closed, upright and safe containers. Ensure that the persons transporting the product know what to do in the event of an accident or product failure. Measures for safe handling: see section 6.

#### Further information:

Land transport (ADR/RID): tunnel restriction code not applicable.

Open-sea transport (IMDG): EmS number not applicable

Air transport (ICAO/IATA): not applicable

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### 14.7. Transport in bulk according to Annex II to MARPOL and the IBC Code

Not applicable

## SECTION 15: Regulatory information

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

EU requirements

Regulation (EC) No 648/2004 on detergents:

Labelling of contents in accordance with this Regulation:

Contains: anionic surfactants 15-30%

Regulation (EC) No. 1272/2008 [CLP]:

Classification method according to Annex1, 1.1.1 Weight of Evidence with expert judgement (DetNet): Severe eye damage/irritation, Category 2.

National regulations

### 15.2. Chemical safety assessment

A dust safety assessment for this mixture has not taken place.

## SECTION 16: Other information

### 16.1 Full text of H phrases as referred to in paragraphs 2 and 3

H315 / Skin irritant, category 2 / Causes skin irritation.

H318 / Eye damage, category 1 / Causes serious eye damage.

H319 / Eye irritant, category 2 / Causes serious eye irritation.

H412 / Aqua toxic chronic, category 3 / Harmful to aquatic organisms, with long-lasting effects.

### 16.2 An explanatory list of the abbreviations and acronyms used in the safety data sheet:

ADN	Accord européen relatif au transport international des marchandises dangereuses par voie de navigation intérieure
ADR	Accord européen relatif au transport international des marchandises Dangereuses par Route
CAS-no	Chemical Abstracts Service number
CLP	Regulation on Classification, Labelling and Packaging of Substances and Mixtures
DetNet	Detergents Network
DNEL	Derived No-Effect Level
EC...	Effective Concentration, ...%
Einecs-no	European INventory of Existing Commercial Substances

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IATA	International Air Transport Association
ICAO	International Civil Aviation Organization
IMDG	International Maritime Dangerous Goods
IMO	International Maritime Organization
LC...	Lethal Concentration, ...%
LD...	Lethal Dose, ...%
MARPOL	International Convention for the Prevention of Pollution From Ships
NOEL/NOEC	No Observed-effect level/concentration
OECD	Organisation for Economic Co-operation and Development
PBT	Persistent, bio accumulative, toxic
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals
RID	Règlement concernant le transport international ferroviaire de marchandises dangereuses
vPvB	Very persistent, very bio accumulative

### 16.3 Further information

As far as we are aware, the information contained in this safety data sheet is correct at the date of issue indicated. This information is intended solely as a guide to safe handling, use, processing, storage, transport, disposal and release and is not to be regarded as a guarantee or an indication of quality. The information relates only to the product mentioned herein and is not necessarily valid when used in conjunction with other products or in any other process, unless this is stated in the text. This Safety Data Sheet contains safety related information only and is not a substitute for product information or specification.

### 16.4. Changes in this version compared to the previous version

Not applicable.