




[MATERIAL SAFETY DATA SHEET]

ACCORDING TO EC-REGULATIONS 1907/2006 (REACH), 1272/2008 (CLP) & 453/2010

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

1.1 Product identifier	
Product Name	Muc-Off Bike Cleaner Nano Gel.
Product code	3/592/1
Chemical Name	Mixtures.
Chemical Formula	Mixtures.
CAS No.	None assigned.
EINECS No.	None assigned.
REACH Registration No.	None assigned.
1.2 Relevant identified uses of the substance or mixture and uses advised against	
Identified use(s)	Bike cleaning.
Uses advised against	None known.
1.3 Details of the supplier of the Safety Data Sheet	
Company Identification	Muc-Off Ltd 1st Floor, Unit 1, Concept Office Park, Innovation Close, Poole, Dorset, BH12 4QT UK
Telephone	+44 (0)1202 307790
E-Mail (competent person)	ag@muc-off.com
Website	www.muc-off.com
1.4 Emergency telephone number	
Emergency Phone No.	44 (0) 1202 307790

2. SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture	
2.1.1 Regulation (EC) No. 1272/2008 (CLP)	Eye Dam. 1; Causes serious eye damage. Skin Irrit. 2; Causes skin irritation.
2.1.2 Directive 67/548/EEC & Directive 1999/45/EC	Xi; Risk of serious damage to eyes. Xi; Irritating to skin.
2.2 Label elements	
2.2.1 Label elements	According to Regulation (EC) No. 1272/2008 (CLP) Muc-Off Bike Cleaner Nano Gel.
Product Name	
Hazard pictogram(s)	
Signal word(s)	GHS05 Danger.
Hazard statement(s)	H315: Causes skin irritation. H318: Causes serious eye damage.

Precautionary statement(s)

P264: Wash hands thoroughly after handling.
P280: Wear protective gloves/eye protection.
P302+P352: IF ON SKIN: Wash with plenty of soap and water.
P332+P313: If skin irritation occurs: Get medical advice/attention.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

2.2.2 Label elements

Product Name
Hazard Symbol

According to Directive 67/548/EEC & Directive 1999/45/EC
Muc-Off Bike Cleaner Nano Gel.



Xi

Risk Phrases

R38: Irritating to skin.

Safety Phrases

R41: Risk of serious damage to eyes.

S25: Avoid contact with eyes.

S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S39: Wear eye/face protection.

2.3 Other hazards

None.

2.4 Additional Information

For full text of H/P phrases see section 16.

3. SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Mixtures

EC Classification No. 1272/2008

Hazardous ingredient(s)	%W/W	CAS No.	EC No.	REACH Registration No.	Hazard pictogram(s) and Hazard statement(s)
Alkyl Polyglycoside	1-10	68515-73-1	500-220-1	None assigned	GHS05, Eye Dam. 1; H318
Fatty Alcohol Ether Sulphate Sodium Salt	1-5	68585-34-2	500-223-8	None assigned	GHS05, Eye Dam. 1; H318, GHS07, Skin Irrit. 2; H315
Glycerin	1-5	56-81-5	200-289-5	None assigned	None
Sodium Gluconate	1-5	527-07-1	208-407-1	None assigned	None
Sodium Silicate	1-3	6834-92-0	229-912-9	None assigned	GHS05, Skin Corr. 1B; H314, GHS07, STOT SE 3; H335
Sodium Hydroxide	<1	1310-73-2	215-185-5	None assigned	GHS05, Skin Corr. 1A; H314

EC Classification No. 67/548/EEC

Hazardous ingredient(s)	%W/W	CAS No.	EC No.	REACH Registration No.	EC Classification and Risk Phrases
Alkyl Polyglycoside	1-10	68515-73-1	500-220-1	None assigned	Xi; R41
Fatty Alcohol Ether Sulphate Sodium Salt	1-5	68585-34-2	500-223-8	None assigned	Xi; R41, R38
Glycerin	1-5	56-81-5	200-289-5	None assigned	None
Sodium Gluconate	1-5	527-07-1	208-407-1	None assigned	None
Sodium Silicate	1-3	6834-92-0	229-912-9	None assigned	C; R34, Xi; R37
Sodium Hydroxide	<1	1310-73-2	215-185-5	None assigned	C; R35

3.2 Additional Information

For full text of H/P phrases see section 16.

4. SECTION 4: FIRST AID MEASURES



4.1 Description of first aid measures

Inhalation	If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.
Skin Contact	IF ON SKIN: Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention.
Eye Contact	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician.
Ingestion	Rinse mouth. If symptoms occur obtain medical attention.

4.2 **Most important symptoms and effects, both acute and delayed** Eye Contact: Redness, Pain.

4.3 **Indication of any immediate medical attention and special treatment needed** Unlikely to be required but if necessary treat symptomatically.

5. SECTION 5: FIRE-FIGHTING MEASURES

5.1 Extinguishing Media

Suitable Extinguishing Media	As appropriate for surrounding fire.
Unsuitable Extinguishing Media	None known.

5.2 **Special hazards arising from the substance or mixture** None known.

5.3 **Advice for fire-fighters** Fire fighters should wear complete protective clothing including self-contained breathing apparatus.

6. SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 **Personal precautions, protective equipment and emergency procedures** Ensure adequate ventilation. Avoid contact with eyes. Wear protective gloves/eye protection.

6.2 **Environmental precautions** Do not release large quantities into the surface water or into drains.

6.3 **Methods and material for containment and cleaning up** Adsorb spillages onto sand, earth or any suitable adsorbent material. Transfer to a container for disposal.

6.4 **Reference to other sections** See Also Section: 8, 13.

7. SECTION 7: HANDLING AND STORAGE

7.1 **Precautions for safe handling** Provide adequate ventilation. Avoid contact with eyes. Wear protective gloves/eye protection. Wash hands thoroughly after handling. Take off contaminated clothing and wash before reuse.

7.2 Conditions for safe storage, including any incompatibilities

Storage Temperature	Ambient.
Storage Life	Stable under normal conditions.
Incompatible materials	None known.

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

8. SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

8.1.1 Occupational Exposure Limits

SUBSTANCE	CAS No.	LTCL (8 hr TWA ppm)	LTCL (8 hr TWA mg/m ³)	STEL (ppm)	STEL (mg/m ³)	Note:
Glycerin	56-81-5	-	10	-	-	Mist
Sodium Hydroxide	1310-73-2	-	-	-	2	-
Sodium Silicate	6834-92-0	-	-	-	2	-

Source: WEL: Workplace Exposure Limit (UK HSE EH40)

8.1.2 Biological limit value

Not established.

8.1.3 PNECs and DNELs

Not established.

8.2 Exposure controls

8.2.1 Appropriate engineering controls

Provide adequate ventilation.

8.2.2 Personal protection equipment

Eye/face protection

Wear protective eye glasses for protection against liquid splashes. Wear eye protection with side protection (EN166).



Skin protection (Hand protection/ Other)

Wear protective gloves. Impervious gloves (EN 374).



Respiratory protection

Not normally required.



Thermal hazards

Not applicable.

8.2.3 Environmental Exposure Controls

Do not release large quantities into the surface water or into drains.

9. SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance	Liquid.
Colour	Pink.
Odour	Berry Fruit.
Odour Threshold (ppm)	Not established.
pH	10 - 12
Melting Point/Freezing Point	Not established.
Initial boiling point and boiling range	Not established.
Flash point	Not established.
Evaporation rate	Not applicable.
Flammability (solid, gas)	Non-flammable.
Upper/lower flammability or explosive limits	Not applicable.
Vapour pressure	Not established.
Vapour density	Not established.
Relative density	Not established.
Solubility(ies)	Soluble in water.
Partition coefficient: n-octanol/water	Not available.
Auto-ignition temperature	Not applicable.

Decomposition Temperature	Not available.
Viscosity	Not established.
Explosive properties	Not explosive.
Oxidising properties	Not oxidising.
9.2 Other information	None.

10. 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	Stable under normal conditions.
10.4 Conditions to avoid	Temperature >60°C
10.5 Incompatible materials	None known.
10.6 Hazardous Decomposition Product(s)	None known.

11. SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects	
Acute toxicity	Low acute toxicity.
Irritation	Skin Irrit. 2; Causes skin irritation.
Corrosivity	Eye Dam. 1; Causes serious eye damage.
Sensitisation	It is not a skin sensitiser.
Repeated dose toxicity	None anticipated.
Carcinogenicity	No evidence of carcinogenicity.
Mutagenicity	There is no evidence of mutagenic potential.
Toxicity for reproduction	Not classified.

12. SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity	Low toxicity to aquatic organisms.
12.2 Persistence and degradability	Readily biodegradable. The product is unlikely to persist in the environment.
12.3 Bioaccumulative potential	The product has low potential for bioaccumulation.
12.4 Mobility in soil	The product is predicted to have high mobility in soil.
12.5 Results of PBT and VPVB assessment	Not classified as PBT or vPvB.
12.6 Other adverse effects	None anticipated.

13. SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods	Dispose at suitable refuse site.
13.2 Additional Information	Disposal should be in accordance with local, state or national legislation.

14. SECTION 14: TRANSPORT INFORMATION

Not classified as dangerous for transport.

14.1 UN number	Not applicable.
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 classified as a Marine Pollutant.
14.6 Special precautions for user	None.
14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not applicable.

15. SECTION 15: REGULATORY INFORMATION

15.1	Safety, health and environmental regulations/legislation specific for the substance or mixture	
15.1.1	EU regulations	
	Authorisations and/or restrictions on use	None known.
15.1.2	National regulations	None known.
15.2	Chemical Safety Assessment	Not available.

16. SECTION 16: OTHER INFORMATION

The following sections contain revisions or new statements: 1-16.

LEGEND

LTEL	Long Term Exposure Limit
STEL	Short Term Exposure Limit
DNEL	Derived No Effect Level
PNEC	Predicted No Effect Concentration
PBT	Persistent, Bioaccumulative and Toxic
vPvB	very Persistent and very Bioaccumulative
OECD	Organisation for Economic Cooperation and Development
Skin Corr. 1A	skin corrosion/irritation Category 1A
Skin Corr. 1B	skin corrosion/irritation Category 1B
Eye Dam. 1	Serious eye damage/irritation Category 1
Skin Irrit. 2	skin corrosion/irritation Category 2
STOT SE 3	Specific target organ toxicity — single exposure Category 3
C	Corrosive
Xi	Irritant

Risk Phrases

R34	Causes burns.
R35	Causes severe burns.
R37	Irritating to respiratory system.
R38	Irritating to skin.
R41	Risk of serious damage to eyes.

Hazard statement(s) and Precautionary Statement(s)

H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H335	May cause respiratory irritation.
P362	Take off contaminated clothing and wash before reuse.
P310	Immediately call a POISON CENTER or doctor/physician.

Hazard pictogram(s) and Hazard Symbol

GHS05		C	
GHS07		Xi	

Disclaimers

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Annex to the extended Safety Data Sheet (eSDS)

No information available.