



GOJO® Antibacterial Lotion Soap

Version	Revision Date:	MSDS Number:	Date of last issue: 02.06.2015
1.5	03.06.2015	47676-00006	Date of first issue: 13.01.2015

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

1.1 Product identifier

Trade name : GOJO® Antibacterial Lotion Soap

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

Use of the Sub-
stance/Mixture : Antibacterial Soap

1.3 Details of the supplier of the safety data sheet

Company : GOJO Industries-Europe Ltd.
Units 5 & 6, Stratus Park
MK10 0DE Brinklow, Milton Keynes

Telephone : +44(0) 1908588444

Telefax : +44(0) 1908588445

E-mail address of person
responsible for the SDS : infoUK@gojo.com

1.4 Emergency telephone number

+44(0) 8445605135

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008)

Eye irritation, Category 2 H319: Causes serious eye irritation.

Acute aquatic toxicity, Category 1 H400: Very toxic to aquatic life.

Chronic aquatic toxicity, Category 1 H410: Very toxic to aquatic life with long lasting effects.

Classification (67/548/EEC, 1999/45/EC)

Dangerous for the environment R50/53: Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008)

GOJO® Antibacterial Lotion Soap

Version 1.5 Revision Date: 03.06.2015 MSDS Number: 47676-00006 Date of last issue: 02.06.2015
Date of first issue: 13.01.2015

Hazard pictograms	:		
Signal word	:	Warning	
Hazard statements	:	H319 H410	Causes serious eye irritation. Very toxic to aquatic life with long lasting effects.
Precautionary statements	:	Prevention: P264 P273 P280 Response: P337 + P313 P391	Wash skin thoroughly after handling. Avoid release to the environment. Wear eye protection/ face protection. If eye irritation persists: Get medical advice/ attention. Collect spillage.

Additional Labelling:

EUH208 Contains 5-Chloro-2-methyl-4-isothiazolin-3-one. May produce an allergic reaction.

2.3 Other hazards

None known.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Hazardous components

Chemical Name	CAS-No. EC-No. Registration number	Classification (67/548/EEC)	Classification (REGULATION (EC) No 1272/2008)	Concentration (%)
Ethanolamine	141-43-5 205-483-3	C; R34 Xn; R20/21/22	Acute Tox. 4; H302 Acute Tox. 4; H332 Acute Tox. 4; H312 Skin Corr. 1B; H314 STOT SE 3; H335 Aquatic Chronic 3; H412	>= 2.5 - < 5
Triclosan	3380-34-5 222-182-2	Xi; R36/38 N; R50/53	Skin Irrit. 2; H315 Eye Irrit. 2; H319 Aquatic Acute 1; H400 Aquatic Chronic 1; H410	>= 0.25 - < 1
5-Chloro-2-methyl-4-isothiazolin-3-one	26172-55-4 247-500-7	T; R23/24/25 C; R34	Acute Tox. 3; H301 Acute Tox. 2; H330	< 0.0012



GOJO® Antibacterial Lotion Soap

Version 1.5 Revision Date: 03.06.2015 MSDS Number: 47676-00006 Date of last issue: 02.06.2015
Date of first issue: 13.01.2015

		R43 N; R50/53	Acute Tox. 3; H311 Skin Corr. 1B; H314 Skin Sens. 1; H317 Aquatic Acute 1; H400 Aquatic Chronic 1; H410
--	--	------------------	--

For explanation of abbreviations see section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

- General advice : In the case of accident or if you feel unwell, seek medical advice immediately.
When symptoms persist or in all cases of doubt seek medical advice.
- Protection of first-aiders : First Aid responders should pay attention to self-protection, and use the recommended personal protective equipment when the potential for exposure exists.
- If inhaled : If inhaled, remove to fresh air.
Get medical attention if symptoms occur.
- In case of skin contact : Wash with water and soap as a precaution.
Get medical attention if symptoms occur.
- In case of eye contact : In case of contact, immediately flush eyes with plenty of water for at least 15 minutes.
If easy to do, remove contact lens, if worn.
Get medical attention.
- If swallowed : If swallowed, DO NOT induce vomiting.
Get medical attention if symptoms occur.
Rinse mouth thoroughly with water.

4.2 Most important symptoms and effects, both acute and delayed

- Risks : Causes serious eye irritation.

4.3 Indication of any immediate medical attention and special treatment needed

- Treatment : Treat symptomatically and supportively.

SECTION 5: Firefighting measures

5.1 Extinguishing media

- Suitable extinguishing media : Water spray
Alcohol-resistant foam



GOJO® Antibacterial Lotion Soap

Version	Revision Date:	MSDS Number:	Date of last issue: 02.06.2015
1.5	03.06.2015	47676-00006	Date of first issue: 13.01.2015

Carbon dioxide (CO₂)
Dry chemical

Unsuitable extinguishing media : None known.

5.2 Special hazards arising from the substance or mixture

Specific hazards during fire-fighting : Exposure to combustion products may be a hazard to health.

Hazardous combustion products : Carbon oxides
Metal oxides
Sulphur oxides
Nitrogen oxides (NO_x)

5.3 Advice for firefighters

Special protective equipment for firefighters : In the event of fire, wear self-contained breathing apparatus.
Use personal protective equipment.

Specific extinguishing methods : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Use water spray to cool unopened containers.
Remove undamaged containers from fire area if it is safe to do so.
Evacuate area.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions : Use personal protective equipment.
Follow safe handling advice and personal protective equipment recommendations.

6.2 Environmental precautions

Environmental precautions : Discharge into the environment must be avoided.
Prevent further leakage or spillage if safe to do so.
Prevent spreading over a wide area (e.g. by containment or oil barriers).
Retain and dispose of contaminated wash water.
Local authorities should be advised if significant spillages cannot be contained.

6.3 Methods and material for containment and cleaning up

Methods for cleaning up : Soak up with inert absorbent material.
For large spills, provide dyking or other appropriate containment to keep material from spreading. If dyked material can be pumped, store recovered material in appropriate container.
Clean up remaining materials from spill with suitable absorbent.



GOJO® Antibacterial Lotion Soap

Version 1.5 Revision Date: 03.06.2015 MSDS Number: 47676-00006 Date of last issue: 02.06.2015
Date of first issue: 13.01.2015

Local or national regulations may apply to releases and disposal of this material, as well as those materials and items employed in the cleanup of releases. You will need to determine which regulations are applicable. Sections 13 and 15 of this SDS provide information regarding certain local or national requirements.

6.4 Reference to other sections

See sections: 7, 8, 11, 12 and 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

- Technical measures : See Engineering measures under EXPOSURE CONTROLS/PERSONAL PROTECTION section.
- Local/Total ventilation : Use only with adequate ventilation.
- Advice on safe handling : Avoid inhalation of vapour or mist.
Do not swallow.
Do not get in eyes.
Avoid prolonged or repeated contact with skin.
Handle in accordance with good industrial hygiene and safety practice.
Take care to prevent spills, waste and minimize release to the environment.
- Hygiene measures : Ensure that eye flushing systems and safety showers are located close to the working place. When using do not eat, drink or smoke. Wash contaminated clothing before re-use.

7.2 Conditions for safe storage, including any incompatibilities

- Requirements for storage areas and containers : Keep in properly labelled containers. Store in accordance with the particular national regulations.
- Advice on common storage : Do not store with the following product types:
Strong oxidizing agents

7.3 Specific end use(s)

- Specific use(s) : No data available
-

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational Exposure Limits

Components	CAS-No.	Value type (Form of exposure)	Control parameters	Basis
------------	---------	-------------------------------	--------------------	-------



GOJO® Antibacterial Lotion Soap

Version 1.5 Revision Date: 03.06.2015 MSDS Number: 47676-00006 Date of last issue: 02.06.2015
Date of first issue: 13.01.2015

Ethanolamine	141-43-5	TWA	1 ppm 2.5 mg/m3	2006/15/EC
Further information	Identifies the possibility of significant uptake through the skin, Indicative			
		STEL	3 ppm 7.6 mg/m3	2006/15/EC
Further information	Identifies the possibility of significant uptake through the skin, Indicative			
		TWA	1 ppm 2.5 mg/m3	GB EH40
Further information	Can be absorbed through skin. The assigned substances are those for which there are concerns that dermal absorption will lead to systemic toxicity.			
		STEL	3 ppm 7.6 mg/m3	GB EH40
Further information	Can be absorbed through skin. The assigned substances are those for which there are concerns that dermal absorption will lead to systemic toxicity.			

Derived No Effect Level (DNEL) according to Regulation (EC) No. 1907/2006:

Sodium sulphate : End Use: Consumers
Exposure routes: Inhalation
Potential health effects: Long-term local effects
Value: 12 mg/m3
End Use: Consumers
Exposure routes: Inhalation
Potential health effects: Long-term systemic effects
Value: 12 mg/m3
End Use: Workers
Exposure routes: Inhalation
Potential health effects: Long-term local effects
Value: 20 mg/m3
End Use: Workers
Exposure routes: Inhalation
Potential health effects: Long-term systemic effects
Value: 20 mg/m3

Ethanolamine : End Use: Workers
Exposure routes: Inhalation
Potential health effects: Long-term local effects
Value: 3.3 mg/m3
End Use: Workers
Exposure routes: Skin contact
Potential health effects: Long-term systemic effects
Value: 1 mg/kg bw/day
End Use: Consumers
Exposure routes: Inhalation
Potential health effects: Long-term local effects
Value: 2 mg/m3
End Use: Consumers
Exposure routes: Skin contact
Potential health effects: Long-term systemic effects
Value: 0.24 mg/kg bw/day
End Use: Consumers
Exposure routes: Ingestion
Potential health effects: Long-term systemic effects
Value: 3.75 mg/kg bw/day

Triclosan : End Use: Workers
Exposure routes: Inhalation

GOJO® Antibacterial Lotion Soap

Version 1.5 Revision Date: 03.06.2015 MSDS Number: 47676-00006 Date of last issue: 02.06.2015
Date of first issue: 13.01.2015

Potential health effects: Long-term systemic effects
Value: 3 mg/m³
End Use: Workers
Exposure routes: Skin contact
Potential health effects: Long-term systemic effects
Value: 2.8 mg/kg bw/day

Predicted No Effect Concentration (PNEC) according to Regulation (EC) No. 1907/2006:

Sodium sulphate : Fresh water
Value: 11.09 mg/l
Marine water
Value: 1.109 mg/l
Intermittent use/release
Value: 17.66 mg/l
Sewage treatment plant
Value: 800 mg/l
Fresh water sediment
Value: 40.2 mg/kg
Marine sediment
Value: 4.02 mg/kg
Soil
Value: 1.54 mg/kg

Ethanolamine : Fresh water
Value: 0.085 mg/l
Marine water
Value: 0.0085 mg/l
Intermittent use/release
Value: 0.028 mg/l
Sewage treatment plant
Value: 100 mg/l
Fresh water sediment
Value: 0.434 mg/kg
Marine sediment
Value: 0.0434 mg/kg
Soil
Value: 0.0367 mg/kg

Triclosan : Fresh water
Value: 0.00007 mg/l
Marine water
Value: 0.0069 µg/l
Intermittent use/release
Value: 0.000016 mg/l
Sewage treatment plant
Value: 0.11 mg/l
Fresh water sediment
Value: 1 mg/kg
Marine sediment
Value: 0.1 mg/kg
Soil
Value: 0.196 mg/kg

8.2 Exposure controls

Engineering measures

Ensure adequate ventilation, especially in confined areas.



GOJO® Antibacterial Lotion Soap

Version	Revision Date:	MSDS Number:	Date of last issue: 02.06.2015
1.5	03.06.2015	47676-00006	Date of first issue: 13.01.2015

Minimize workplace exposure concentrations.

Personal protective equipment

- | | | |
|-----------------------------|---|---|
| Eye protection | : | Wear the following personal protective equipment:
Safety goggles |
| Hand protection
Material | : | Impervious gloves |
| Remarks | : | Choose gloves to protect hands against chemicals depending on the concentration and quantity of the hazardous substance and specific to place of work. Breakthrough time is not determined for the product. Change gloves often! For special applications, we recommend clarifying the resistance to chemicals of the aforementioned protective gloves with the glove manufacturer. Wash hands before breaks and at the end of workday. |
| Skin and body protection | : | Select appropriate protective clothing based on chemical resistance data and an assessment of the local exposure potential.
Skin contact must be avoided by using impervious protective clothing (gloves, aprons, boots, etc). |
| Respiratory protection | : | Use respiratory protection unless adequate local exhaust ventilation is provided or exposure assessment demonstrates that exposures are within recommended exposure guidelines. |
| Filter type | : | Combined particulates and organic vapour type (A-P) |
-

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

- | | | |
|---|---|----------------------|
| Appearance | : | liquid |
| Colour | : | clear, yellow, amber |
| Odour | : | like soap |
| Odour Threshold | : | No data available |
| pH | : | 7 - 10 |
| Melting point/freezing point | : | No data available |
| Initial boiling point and boiling range | : | No data available |
| Flash point | : | > 100 °C |
| Evaporation rate | : | No data available |



GOJO® Antibacterial Lotion Soap

Version	Revision Date:	MSDS Number:	Date of last issue: 02.06.2015
1.5	03.06.2015	47676-00006	Date of first issue: 13.01.2015

Flammability (solid, gas)	: Not applicable
Upper explosion limit	: No data available
Lower explosion limit	: No data available
Vapour pressure	: No data available
Relative vapour density	: No data available
Density	: 1.00 g/cm ³
Solubility(ies)	
Water solubility	: soluble
Partition coefficient: n-octanol/water	: Not applicable
Auto-ignition temperature	: No data available
Decomposition temperature	: The substance or mixture is not classified self-reactive.
Viscosity	
Viscosity, kinematic	: 1,000 - 20,000 mm ² /s (20 °C)
Explosive properties	: Not explosive
Oxidizing properties	: The substance or mixture is not classified as oxidizing.

9.2 Other information

No data available

SECTION 10: Stability and reactivity

10.1 Reactivity

Not classified as a reactivity hazard.

10.2 Chemical stability

Stable under normal conditions.

10.3 Possibility of hazardous reactions

Hazardous reactions : Can react with strong oxidizing agents.

10.4 Conditions to avoid

Conditions to avoid : None known.

10.5 Incompatible materials

Materials to avoid : Oxidizing agents



GOJO® Antibacterial Lotion Soap

Version 1.5 Revision Date: 03.06.2015 MSDS Number: 47676-00006 Date of last issue: 02.06.2015
Date of first issue: 13.01.2015

10.6 Hazardous decomposition products

No hazardous decomposition products are known.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Information on likely routes of exposure : Inhalation
Skin contact
Ingestion
Eye contact

Acute toxicity

Not classified based on available information.

Product:

Acute oral toxicity : Acute toxicity estimate: > 2,000 mg/kg
Method: Calculation method

Acute inhalation toxicity : Acute toxicity estimate: > 20 mg/l
Exposure time: 4 h
Test atmosphere: vapour
Method: Calculation method

Acute dermal toxicity : Acute toxicity estimate: > 2,000 mg/kg
Method: Calculation method

Components:

Ethanolamine:

Acute oral toxicity : LD50 (Rat): 1,515 mg/kg

Acute inhalation toxicity : Acute toxicity estimate: 11 mg/l
Test atmosphere: vapour
Method: Expert judgement
Remarks: Based on harmonised classification in EU regulation 1272/2008, Annex VI

Acute dermal toxicity : LD50 (Rabbit): 1,025 mg/kg

Triclosan:

Acute oral toxicity : LD50 (Rat): > 5,000 mg/kg
Method: OECD Test Guideline 401

Acute dermal toxicity : LD50 (Rabbit): > 6,000 mg/kg

5-Chloro-2-methyl-4-isothiazolin-3-one:

Acute oral toxicity : Acute toxicity estimate: 100 mg/kg
Method: Expert judgement
Remarks: Based on data from similar materials

Acute inhalation toxicity : LC50 (Rat): 0.33 mg/l



GOJO® Antibacterial Lotion Soap

Version	Revision Date:	MSDS Number:	Date of last issue: 02.06.2015
1.5	03.06.2015	47676-00006	Date of first issue: 13.01.2015

Exposure time: 4 h
Test atmosphere: dust/mist
Remarks: Based on data from similar materials

Acute dermal toxicity : Acute toxicity estimate: 300 mg/kg
Method: Expert judgement
Remarks: Based on data from similar materials

Skin corrosion/irritation

Not classified based on available information.

Product:

Result: No skin irritation

Components:

Ethanolamine:

Species: Rabbit

Result: Corrosive after 3 minutes to 1 hour of exposure

Triclosan:

Species: Rabbit

Method: Draize Test

Result: Skin irritation

5-Chloro-2-methyl-4-isothiazolin-3-one:

Result: Corrosive after 3 minutes to 1 hour of exposure

Remarks: Based on data from similar materials

Serious eye damage/eye irritation

Causes serious eye irritation.

Components:

Ethanolamine:

Species: Rabbit

Result: Irreversible effects on the eye

Triclosan:

Species: Rabbit

Result: Irritation to eyes, reversing within 21 days

5-Chloro-2-methyl-4-isothiazolin-3-one:

Result: Irreversible effects on the eye

Remarks: Based on data from similar materials

Respiratory or skin sensitisation

Skin sensitisation: Not classified based on available information.

Respiratory sensitisation: Not classified based on available information.

Product:

Assessment: Does not cause skin sensitisation.



GOJO® Antibacterial Lotion Soap

Version 1.5 Revision Date: 03.06.2015 MSDS Number: 47676-00006 Date of last issue: 02.06.2015
Date of first issue: 13.01.2015

Components:

Ethanolamine:

Test Type: Maximisation Test (GPMT)
Exposure routes: Skin contact
Species: Guinea pig
Result: negative

Triclosan:

Test Type: Buehler Test
Exposure routes: Skin contact
Species: Guinea pig
Method: OECD Test Guideline 406
Result: negative

5-Chloro-2-methyl-4-isothiazolin-3-one:

Exposure routes: Skin contact
Result: positive
Remarks: Based on data from similar materials

Assessment: Probability or evidence of skin sensitisation in humans

Germ cell mutagenicity

Not classified based on available information.

Components:

Ethanolamine:

Genotoxicity in vitro : Test Type: In vitro mammalian cell gene mutation test
Method: OECD Test Guideline 476
Result: negative

Genotoxicity in vivo : Test Type: Mammalian erythrocyte micronucleus test (in vivo cytogenetic assay)
Species: Mouse
Application Route: Ingestion
Method: OECD Test Guideline 474
Result: negative

Triclosan:

Genotoxicity in vitro : Test Type: Bacterial reverse mutation assay (AMES)
Method: OECD Test Guideline 471
Result: negative

: Test Type: Chromosome aberration test in vitro
Method: OECD Test Guideline 473
Result: Equivocal

: Test Type: In vitro mammalian cell gene mutation test
Result: negative

Genotoxicity in vivo : Test Type: Mutagenicity (in vivo mammalian bone-marrow cytogenetic test, chromosomal analysis)
Species: Rat
Application Route: Ingestion

GOJO® Antibacterial Lotion Soap

Version 1.5 Revision Date: 03.06.2015 MSDS Number: 47676-00006 Date of last issue: 02.06.2015
Date of first issue: 13.01.2015

Method: OECD Test Guideline 475
Result: negative

Carcinogenicity

Not classified based on available information.

Components:

Triclosan:

Species: Rat
Application Route: Ingestion
Exposure time: 2 Years
Method: OECD Test Guideline 453
Result: negative

Reproductive toxicity

Not classified based on available information.

Components:

Ethanolamine:

Effects on fertility : Test Type: Two-generation reproduction toxicity study
Species: Rat
Application Route: Ingestion
Result: negative

Effects on foetal development : Test Type: Embryo-foetal development
Species: Rat
Application Route: Ingestion
Method: OECD Test Guideline 414
Result: negative

Triclosan:

Effects on fertility : Test Type: Two-generation study
Species: Rat
Application Route: Ingestion
Result: negative

Effects on foetal development : Test Type: Embryo-foetal development
Species: Rabbit
Application Route: Ingestion
Result: negative

Test Type: Embryo-foetal development
Species: Rat
Application Route: Ingestion
Result: negative

STOT - single exposure

Not classified based on available information.

Components:

Ethanolamine:

Assessment: May cause respiratory irritation.



GOJO® Antibacterial Lotion Soap

Version 1.5 Revision Date: 03.06.2015 MSDS Number: 47676-00006 Date of last issue: 02.06.2015
Date of first issue: 13.01.2015

STOT - repeated exposure

Not classified based on available information.

Components:

Ethanolamine:

Exposure routes: inhalation (dust/mist/fume)

Assessment: No significant health effects observed in animals at concentrations of 0.2 mg/l/6h/d or less.

Repeated dose toxicity

Components:

Ethanolamine:

Species: Rat

NOAEL: 150 mg/m³

Application Route: inhalation (dust/mist/fume)

Exposure time: 28 d

Triclosan:

Species: Rat

NOAEL: 33 mg/kg

LOAEL: 107 mg/kg

Application Route: Ingestion

Exposure time: 2 y

Species: Rat

NOAEL: \geq 80 mg/kg

Application Route: Skin contact

Exposure time: 90 d

Aspiration toxicity

Not classified based on available information.

SECTION 12: Ecological information

12.1 Toxicity

Components:

Ethanolamine:

Toxicity to fish : LC50 (Cyprinus carpio (Carp)): 349 mg/l
Exposure time: 96 h

Toxicity to daphnia and other : EC50 (Daphnia magna (Water flea)): 65 mg/l
aquatic invertebrates : Exposure time: 48 h

Toxicity to algae : ErC50 (Selenastrum capricornutum (green algae)): 2.8 mg/l
Exposure time: 72 h

NOEC (Scenedesmus capricornutum (fresh water algae)): 1 mg/l

GOJO® Antibacterial Lotion Soap

Version 1.5 Revision Date: 03.06.2015 MSDS Number: 47676-00006 Date of last issue: 02.06.2015
Date of first issue: 13.01.2015

Exposure time: 72 h

Toxicity to bacteria : EC50 (*Pseudomonas putida*): 110 mg/l
Exposure time: 17 h

Toxicity to fish (Chronic toxicity) : NOEC: 1.24 mg/l
Exposure time: 41 d
Species: *Oryzias latipes* (Orange-red killifish)

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : NOEC: 0.85 mg/l
Exposure time: 21 d
Species: *Daphnia magna* (Water flea)

Triclosan:

Toxicity to fish : LC50 (*Brachydanio rerio* (zebrafish)): 0.54 mg/l
Exposure time: 96 h
Method: Directive 67/548/EEC, Annex V, C.1.

Toxicity to daphnia and other aquatic invertebrates : EC50 (*Daphnia magna* (Water flea)): 0.191 mg/l
Exposure time: 48 h
Method: OECD Test Guideline 202

Toxicity to algae : NOEC (*Desmodesmus subspicatus* (green algae)): 0.69 µg/l
Exposure time: 96 h

EC50 (*Desmodesmus subspicatus* (green algae)): 1.61 µg/l
Exposure time: 96 h

M-Factor (Acute aquatic toxicity) : 100

Toxicity to bacteria : EC50 : 11 mg/l
Exposure time: 3 h
Method: OECD Test Guideline 209

Toxicity to fish (Chronic toxicity) : NOEC: 0.034 mg/l
Exposure time: 96 d
Species: *Oncorhynchus mykiss* (rainbow trout)

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : NOEC: 0.026 mg/l
Exposure time: 21 d
Species: *Daphnia magna* (Water flea)

M-Factor (Chronic aquatic toxicity) : 100

5-Chloro-2-methyl-4-isothiazolin-3-one:

Toxicity to fish : LC50 (*Oncorhynchus mykiss* (rainbow trout)): 0.19 mg/l
Exposure time: 96 h
Remarks: Based on data from similar materials

Toxicity to daphnia and other aquatic invertebrates : EC50 (*Daphnia magna* (Water flea)): 0.16 mg/l
Exposure time: 48 h
Remarks: Based on data from similar materials



GOJO® Antibacterial Lotion Soap

Version 1.5 Revision Date: 03.06.2015 MSDS Number: 47676-00006 Date of last issue: 02.06.2015
Date of first issue: 13.01.2015

Toxicity to algae : EC50 (Selenastrum capricornutum (green algae)): 0.027 mg/l
Exposure time: 72 h
Remarks: Based on data from similar materials

M-Factor (Acute aquatic toxicity) : 10

12.2 Persistence and degradability

Components:

Ethanolamine:

Biodegradability : Result: Readily biodegradable
Biodegradation: > 90 %
Exposure time: 21 d

Triclosan:

Biodegradability : Result: Not readily biodegradable.
Biodegradation: 18 - 37 %
Exposure time: 28 d
Method: OECD Test Guideline 301B

Result: Inherently biodegradable.
Biodegradation: 99.4 %
Exposure time: 14 d
Method: OECD Test Guideline 302B

Result: Not readily biodegradable.
Biodegradation: 18.6 %
Exposure time: 28 d
Method: OECD Test Guideline 301B

5-Chloro-2-methyl-4-isothiazolin-3-one:

Biodegradability : Result: Not readily biodegradable.

12.3 Bioaccumulative potential

Components:

Ethanolamine:

Partition coefficient: n-octanol/water : log Pow: -1.91

Triclosan:

Bioaccumulation : Species: Zebrafish
Bioconcentration factor (BCF): 2,532 - 4,157
Method: OECD Test Guideline 305C

Partition coefficient: n-octanol/water : log Pow: 4.8

5-Chloro-2-methyl-4-isothiazolin-3-one:

Partition coefficient: n-octanol/water : log Pow: 0.401



GOJO® Antibacterial Lotion Soap

Version	Revision Date:	MSDS Number:	Date of last issue: 02.06.2015
1.5	03.06.2015	47676-00006	Date of first issue: 13.01.2015

octanol/water

12.4 Mobility in soil

No data available

12.5 Results of PBT and vPvB assessment

Not relevant

12.6 Other adverse effects

No data available

SECTION 13: Disposal considerations

13.1 Waste treatment methods

- | | |
|------------------------|---|
| Product | : Dispose of in accordance with local regulations.
According to the European Waste Catalogue, Waste Codes are not product specific, but application specific.
Waste codes should be assigned by the user, preferably in discussion with the waste disposal authorities. |
| Contaminated packaging | : Dispose of as unused product.
Empty containers should be taken to an approved waste handling site for recycling or disposal. |
-

SECTION 14: Transport information

14.1 UN number

- | | |
|------|-----------|
| ADN | : UN 3082 |
| ADR | : UN 3082 |
| RID | : UN 3082 |
| IMDG | : UN 3082 |
| IATA | : UN 3082 |

14.2 UN proper shipping name

- | | |
|------|--|
| ADN | : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
(Triclosan) |
| ADR | : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
(Triclosan) |
| RID | : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
(Triclosan) |
| IMDG | : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
(Triclosan) |
-



GOJO® Antibacterial Lotion Soap

Version 1.5 Revision Date: 03.06.2015 MSDS Number: 47676-00006 Date of last issue: 02.06.2015
Date of first issue: 13.01.2015

IATA : Environmentally hazardous substance, liquid, n.o.s.
(Triclosan)

14.3 Transport hazard class(es)

ADN : 9
ADR : 9
RID : 9
IMDG : 9
IATA : 9

14.4 Packing group

ADN
Packing group : III
Classification Code : M6
Hazard Identification Number : 90
Labels : 9

ADR
Packing group : III
Classification Code : M6
Hazard Identification Number : 90
Labels : 9
Tunnel restriction code : (E)

RID
Packing group : III
Classification Code : M6
Hazard Identification Number : 90
Labels : 9

IMDG
Packing group : III
Labels : 9
EmS Code : F-A, S-F

IATA
Packing instruction (cargo aircraft) : 964
Packing instruction (passenger aircraft) : 964
Packing instruction (LQ) : Y964
Packing group : III
Labels : Miscellaneous

14.5 Environmental hazards

ADN
Environmentally hazardous : yes

ADR
Environmentally hazardous : yes

RID



GOJO® Antibacterial Lotion Soap

Version 1.5 Revision Date: 03.06.2015 MSDS Number: 47676-00006 Date of last issue: 02.06.2015
Date of first issue: 13.01.2015

Environmentally hazardous : yes

IMDG

Marine pollutant : yes

14.6 Special precautions for user

Not applicable

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Remarks : Not applicable for product as supplied.

SECTION 15: Regulatory information

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

Regulation (EC) No 649/2012 of the European Parliament and the Council concerning the export and import of dangerous chemicals : Not applicable

REACH - Candidate List of Substances of Very High Concern for Authorisation (Article 59). : Not applicable

Regulation (EC) No 1005/2009 on substances that deplete the ozone layer : Not applicable

Regulation (EC) No 850/2004 on persistent organic pollutants : Not applicable

Seveso II - Directive 2003/105/EC amending Council Directive 96/82/EC on the control of major-accident hazards involving dangerous substances

		Quantity 1	Quantity 2
9a	Dangerous for the environment	100 t	200 t

Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances.

E1	ENVIRONMENTAL HAZARDS	100 t	200 t
----	-----------------------	-------	-------

Volatile organic compounds : Directive 2010/75/EU of 24 November 2010 on industrial emissions (integrated pollution prevention and control)
Volatile organic compounds (VOC) content: < 1 %

The components of this product are reported in the following inventories:

AICS : All ingredients listed or exempt.

Inventories

AICS (Australia), DSL (Canada), IECSC (China), REACH (European Union), ENCS (Japan), ISHL (Japan), KECI (Korea), NZIoC (New Zealand), PICCS (Philippines), TCSI (Taiwan), TSCA (USA)

GOJO® Antibacterial Lotion Soap

Version 1.5 Revision Date: 03.06.2015 MSDS Number: 47676-00006 Date of last issue: 02.06.2015
Date of first issue: 13.01.2015

15.2 Chemical Safety Assessment

A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

Full text of R-Phrases

R20/21/22 : Harmful by inhalation, in contact with skin and if swallowed.
R23/24/25 : Toxic by inhalation, in contact with skin and if swallowed.
R34 : Causes burns.
R36/38 : Irritating to eyes and skin.
R43 : May cause sensitisation by skin contact.
R50/53 : Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Full text of H-Statements

H301 : Toxic if swallowed.
H302 : Harmful if swallowed.
H311 : Toxic in contact with skin.
H312 : Harmful in contact with skin.
H314 : Causes severe skin burns and eye damage.
H315 : Causes skin irritation.
H317 : May cause an allergic skin reaction.
H319 : Causes serious eye irritation.
H330 : Fatal if inhaled.
H332 : Harmful if inhaled.
H335 : May cause respiratory irritation.
H400 : Very toxic to aquatic life.
H410 : Very toxic to aquatic life with long lasting effects.
H412 : Harmful to aquatic life with long lasting effects.

Full text of other abbreviations

Acute Tox. : Acute toxicity
Aquatic Acute : Acute aquatic toxicity
Aquatic Chronic : Chronic aquatic toxicity
Eye Irrit. : Eye irritation
Skin Corr. : Skin corrosion
Skin Irrit. : Skin irritation
Skin Sens. : Skin sensitisation
STOT SE : Specific target organ toxicity - single exposure
2006/15/EC : Europe. Indicative occupational exposure limit values
GB EH40 : UK. EH40 WEL - Workplace Exposure Limits
2006/15/EC / TWA : Limit Value - eight hours
2006/15/EC / STEL : Short term exposure limit
GB EH40 / TWA : Long-term exposure limit (8-hour TWA reference period)
GB EH40 / STEL : Short-term exposure limit (15-minute reference period)

Further information

Sources of key data used to compile the Safety Data Sheet : Internal technical data, data from raw material SDSs, OECD eChem Portal search results and European Chemicals Agency, <http://echa.europa.eu/>



GOJO® Antibacterial Lotion Soap

Version	Revision Date:	MSDS Number:	Date of last issue: 02.06.2015
1.5	03.06.2015	47676-00006	Date of first issue: 13.01.2015

Items where changes have been made to the previous version are highlighted in the body of this document by two vertical lines.

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and shall not be considered a warranty or quality specification of any type. The information provided relates only to the specific material identified at the top of this SDS and may not be valid when the SDS material is used in combination with any other materials or in any process, unless specified in the text. Material users should review the information and recommendations in the specific context of their intended manner of handling, use, processing and storage, including an assessment of the appropriateness of the SDS material in the user's end product, if applicable.

GB / EN