



SAFETY DATA SHEET

(REACH regulation (EC) n° 1907/2006 - n° 2015/830)

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

1.1. Product identifier

Product name : BLUE WATER NICOLS

Product code : 505263.

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

Detergent WC

1.3. Details of the supplier of the safety data sheet

Registered company name : NICOLS France Sarl.

Address : 2, allée des Erables.59980.Bertry.France.

Telephone : +33 3 27 76 59 26. Fax : +33 3 27 76 56 27.

regulatory.affairs@nicols.eu

1.4. Emergency telephone number : + 32 67 87 51 00 Nicols.

Association/Organisation : .

Other emergency numbers

National Poisons Information Service (Birmingham Unit) : 844 892 0111

SECTION 2 : HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

In compliance with EC regulation No. 1272/2008 and its amendments.

Skin irritation, Category 2 (Skin Irrit. 2, H315).

Serious eye damage, Category 1 (Eye Dam. 1, H318).

This mixture does not present a physical hazard. Refer to the recommendations regarding the other products present on the site.

This mixture does not present an environmental hazard. No known or foreseeable environmental damage under standard conditions of use.

2.2. Label elements

Detergent mixture (see section 15).

In compliance with EC regulation No. 1272/2008 and its amendments.

Hazard pictograms :



GHS05

Signal Word :

DANGER

Product identifiers :

EC 270-407-8

SULFONIC ACIDS, C14-16-ALKANE-HYDROXY AND C14-16-ALKENE, SODIUM SALTS (SODIUM C14-16 OLEFIN SULFONATE)

EC 270-115-0

SODIUM C10-13 ALKYL BENZENE SULFONATE (SODIUM DODECYLBENZENESULFONATE)

Hazard statements :

H315

Causes skin irritation.

H318

Causes serious eye damage.

Precautionary statements - General :

P102 Keep out of reach of children.
Precautionary statements - Prevention :
P264 Wash hands thoroughly after handling.
Precautionary statements - Response :
P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER/doctor.
P302 + P352 IF ON SKIN: Wash with plenty of soap and water.
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.



2.3. Other hazards

The mixture does not contain substances classified as 'Substances of Very High Concern' (SVHC) $\geq 0.1\%$ published by the European Chemicals Agency (ECHA) under article 57 of REACH: <http://echa.europa.eu/fr/candidate-list-table>
The mixture fulfils neither the PBT nor the vPvB criteria for mixtures in accordance with annexe XIII of the REACH regulations EC 1907/2006.

SECTION 3 : COMPOSITION/INFORMATION ON INGREDIENTS

3.2. Mixtures



Composition :

Identification	(EC) 1272/2008	Note	%
CAS: 68439-57-6 EC: 270-407-8 REACH: 01-2119513401-57 SULFONIC ACIDS, C14-16-ALKANE-HYDROXY AND C14-16-ALKENE, SODIUM SALTS (SODIUM C14-16 OLEFIN SULFONATE)	GHS05 Dgr Skin Irrit. 2, H315 Eye Dam. 1, H318		10 $\leq$ x % < 25
CAS: 68411-30-3 EC: 270-115-0 SODIUM C10-13 ALKYL BENZENE SULFONATE (SODIUM DODECYLBENZENESULFONATE)	GHS07, GHS05 Dgr Acute Tox. 4, H302 Skin Irrit. 2, H315 Eye Dam. 1, H318 Aquatic Chronic 3, H412		2.5 $\leq$ x % < 10

SECTION 4 : FIRST AID MEASURES

As a general rule, in case of doubt or if symptoms persist, always call a doctor.
NEVER induce swallowing by an unconscious person.

4.1. Description of first aid measures

In the event of splashes or contact with eyes :

Wash thoroughly with fresh, clean water for 15 minutes holding the eyelids open.
Regardless of the initial state, refer the patient to an ophthalmologist and show him the label.
If there is any redness, pain or visual impairment, consult an ophthalmologist.

In the event of splashes or contact with skin :

Remove contaminated clothing and wash the skin thoroughly with soap and water or a recognised cleaner.
Watch out for any remaining product between skin and clothing, watches, shoes, etc.
If the contaminated area is widespread and/or there is damage to the skin, a doctor must be consulted or the patient transferred to hospital.

In the event of swallowing :

Do not give the patient anything orally.
In the event of swallowing, if the quantity is small (no more than one mouthful), rinse the mouth with water and consult a doctor.
Seek medical attention immediately, showing the label.



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

Causes skin irritation.
Causes serious eye damage.



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

In case of accident or unwellness, seek medical advice immediately and see section 4.1 for first aid measures.

SECTION 5 : FIREFIGHTING MEASURES

Non-flammable.

5.1. Extinguishing media

Suitable methods of extinction

- In the event of a fire, use :
- sprayed water or water mist
 - carbon dioxide (CO₂)
 - powder
 - foam

5.2. Special hazards arising from the substance or mixture

A fire will often produce a thick black smoke. Exposure to decomposition products may be hazardous to health.

Do not breathe in smoke.

In the event of a fire, the following may be formed :

- carbon monoxide (CO)
- carbon dioxide (CO₂)

5.3. Advice for firefighters

Fire-fighting personnel are to be equipped with autonomous insulating breathing apparatus and with standard protective clothes to fight chemical fire.

SECTION 6 : ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Consult the safety measures listed under headings 7 and 8.

For non first aid worker

Avoid any contact with the skin and eyes.

For first aid worker

First aid workers will be equipped with suitable personal protective equipment (See section 8).

6.2. Environmental precautions

Prevent any material from entering drains or waterways.

6.3. Methods and material for containment and cleaning up

Retrieve the product by mechanical means (sweeping/vacuuming).

6.4. Reference to other sections

See section 8 and 13.

SECTION 7 : HANDLING AND STORAGE

Requirements relating to storage premises apply to all facilities where the mixture is handled.

7.1. Precautions for safe handling

Always wash hands after handling.

Remove and wash contaminated clothing before re-using.

Emergency showers and eye wash stations will be required in facilities where the mixture is handled constantly.

Fire prevention :

Prevent access by unauthorised personnel.

Recommended equipment and procedures :

For personal protection, see section 8.

Observe precautions stated on label and also industrial safety regulations.

Avoid eye contact with this mixture at all times.

Prohibited equipment and procedures :

No smoking, eating or drinking in areas where the mixture is used.

7.2. Conditions for safe storage, including any incompatibilities

-

Storage

Keep out of reach of children.

Packaging

Always keep in packaging made of an identical material to the original.

7.3. Specific end use(s)

Detergents WC - No specific use outside the identified use for cleaning WC bowls : see section 1.2

SECTION 8 : EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

No data available.

Derived no effect level (DNEL) or derived minimum effect level (DMEL):

SODIUM C10-13 ALKYL BENZENE SULFONATE (SODIUM DODECYLBENZENESULFONATE) (CAS: 68411-30-3)

Final use:

Exposure method:

Potential health effects:

DNEL :

Workers.

Dermal contact.

Long term systemic effects.

170 mg/kg de poids corporel/jour

Exposure method:

Potential health effects:

DNEL :

Inhalation.

Long term systemic effects.

12 mg de substance/m3

Final use:

Exposure method:

Potential health effects:

DNEL :

Consumers.

Ingestion.

Long term systemic effects.

0.85 mg/kg de poids corporel/jour

Exposure method:

Potential health effects:

DNEL :

Dermal contact.

Long term systemic effects.

85 mg/kg de poids corporel/jour

Exposure method:

Potential health effects:

DNEL :

Inhalation.

Long term systemic effects.

3 mg de substance/m3

SULFONIC ACIDS, C14-16-ALKANE-HYDROXY AND C14-16-ALKENE, SODIUM SALTS (SODIUM C14-16 OLEFIN SULFONATE) (CAS: 68439-57-6)

Final use:

Exposure method:

Potential health effects:

DNEL :

Workers.

Dermal contact.

Long term systemic effects.

2158.33 mg/kg de poids corporel/jour

Exposure method:

Potential health effects:

DNEL :

Inhalation.

Long term systemic effects.

152.22 mg de substance/m3

Final use:

Exposure method:

Potential health effects:

DNEL :

Consumers.

Ingestion.

Long term systemic effects.

12.95 mg/kg de poids corporel/jour

Exposure method:

Potential health effects:

DNEL :

Dermal contact.

Long term systemic effects.

1295 mg/kg de poids corporel/jour

Exposure method:

Potential health effects:

DNEL :

Inhalation.

Long term systemic effects.

45.04 mg de substance/m3

**Predicted no effect concentration (PNEC):**

SODIUM C10-13 ALKYL BENZENE SULFONATE (SODIUM DODECYLBENZENESULFONATE) (CAS: 68411-30-3)

Environmental compartment:

PNEC :

Fresh water.

0.268

Environmental compartment:

PNEC :

Sea water.

0.0268

Environmental compartment:

PNEC :

Intermittent waste water.

0.0167

Environmental compartment:

PNEC :

Fresh water sediment.

8.1

Environmental compartment:

Waste water treatment plant.

PNEC : 3.43

SULFONIC ACIDS, C14-16-ALKANE-HYDROXY AND C14-16-ALKENE, SODIUM SALTS (SODIUM C14-16 OLEFIN SULFONATE) (CAS: 68439-57-6)

Environmental compartment: Soil.

PNEC : 1.21 mg/kg

Environmental compartment: Fresh water.

PNEC : 0.024 mg/l

Environmental compartment: Sea water.

PNEC : 0.0024 mg/l

Environmental compartment: Intermittent waste water.

PNEC : 0.0197

Environmental compartment: Fresh water sediment.

PNEC : 0.767 mg/kg

Environmental compartment: Marine sediment.

PNEC : 0.0797 mg/kg

Environmental compartment: Waste water treatment plant.

PNEC : 4 mg/l

8.2. Exposure controls

Personal protection measures, such as personal protective equipment

Use personal protective equipment that is clean and has been properly maintained.

Store personal protective equipment in a clean place, away from the work area.

Never eat, drink or smoke during use. Remove and wash contaminated clothing before re-using. Ensure that there is adequate ventilation, especially in confined areas.

- Eye / face protection

Avoid contact with eyes.

Before handling powders or dust emission, wear mask goggles in accordance with standard EN166.

Prescription glasses are not considered as protection.

Provide eyewash stations in facilities where the product is handled constantly.

- Hand protection

Wear suitable protective gloves in the event of prolonged or repeated skin contact.

Use suitable protective gloves that are resistant to chemical agents in accordance with standard EN374.

Gloves must be selected according to the application and duration of use at the workstation.

Protective gloves need to be selected according to their suitability for the workstation in question : other chemical products that may be handled, necessary physical protections (cutting, pricking, heat protection), level of dexterity required.

Recommended properties :

- Impervious gloves in accordance with standard EN374

- Body protection

Avoid skin contact.

Wear suitable protective clothing.

Suitable type of protective clothing :

Wear protective clothing against solid chemicals and particles suspended in the air (type 5) in accordance with standard EN13982-1 to prevent skin contact.

Work clothing worn by personnel shall be laundered regularly.

After contact with the product, all parts of the body that have been soiled must be washed.

- Respiratory protection

Avoid breathing dust.

Type of FFP mask :

Wear a disposable half-mask dust filter in accordance with standard EN149.

SECTION 9 : PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

General information :

Physical state :	Solid.
Color:	Blue

Important health, safety and environmental information

pH :	Not relevant.
Boiling point/boiling range :	Not relevant.
Flash point interval :	Not relevant.
Vapour pressure (50°C) :	Not relevant.
Density :	Not stated.
Water solubility :	Soluble.
Melting point/melting range :	Not relevant.
Self-ignition temperature :	Not relevant.
Decomposition point/decomposition range :	Not relevant.

**9.2. Other information**

No additional data available

SECTION 10 : STABILITY AND REACTIVITY**10.1. Reactivity**

Mixture not reactive in normal conditions of storage and use.

10.2. Chemical stability

This mixture is stable under the recommended handling and storage conditions in section 7.

**10.3. Possibility of hazardous reactions**

No incompatible dangerous reactions known.

**10.4. Conditions to avoid**

Avoid :

- formation of dusts

Dusts can form an explosive mixture with air.

Avoid the heating of the mixture.

**10.5. Incompatible materials**

No incompatible raw materials identified.

10.6. Hazardous decomposition products

The thermal decomposition may release/form :

- carbon monoxide (CO)

- carbon dioxide (CO₂)**SECTION 11 : TOXICOLOGICAL INFORMATION****11.1. Information on toxicological effects**

May cause irreversible damage to the skin; namely inflammation of the skin or the formation of erythema and eschar or oedema following exposure up to four hours.

May have irreversible effects on the eyes, such as tissue damage in the eye, or serious physical decay of sight, which is not fully reversible by the end of observation at 21 days.

Serious eye damage is typified by the destruction of cornea, persistent corneal opacity and iritis.

11.1.1. Substances**Acute toxicity :**

SODIUM C10-13 ALKYL BENZENE SULFONATE (SODIUM DODECYLBENZENESULFONATE) (CAS: 68411-30-3)

Oral route : LD50 = 1080 mg/kg

Species : Rat

SULFONIC ACIDS, C14-16-ALKANE-HYDROXY AND C14-16-ALKENE, SODIUM SALTS (SODIUM C14-16 OLEFIN SULFONATE) (CAS: 68439-57-6)

Oral route : LD50 = 2079 mg/kg

Species : Rat

Dermal route : LD50 = 6300 mg/kg

Species : Rabbit

Inhalation route (Dusts/mist) : LC50 > 52 mg/l

Species : Rat

**Skin corrosion/skin irritation :**

SULFONIC ACIDS, C14-16-ALKANE-HYDROXY AND C14-16-ALKENE, SODIUM SALTS (SODIUM C14-16 OLEFIN SULFONATE) (CAS: 68439-57-6)

Effect observed : Irritation globale

Species : Rabbit

OCDE Ligne directrice 404 (Effet irritant/corrosif aigu sur la peau.)



Germ cell mutagenicity :

SODIUM C10-13 ALKYL BENZENE SULFONATE (SODIUM DODECYLBENZENESULFONATE) (CAS: 68411-30-3)

No mutagenic effect.

SULFONIC ACIDS, C14-16-ALKANE-HYDROXY AND C14-16-ALKENE, SODIUM SALTS (SODIUM C14-16 OLEFIN SULFONATE) (CAS: 68439-57-6)

No mutagenic effect.

Mutagenesis (in vitro) :

Negative.

Species : Mammalian Cell Line

OCDE Ligne directrice 473 (Essai d'aberration chromosomique in vitro chez les mammifères)



Carcinogenicity :

SODIUM C10-13 ALKYL BENZENE SULFONATE (SODIUM DODECYLBENZENESULFONATE) (CAS: 68411-30-3)

Carcinogenicity Test :

Negative.

No carcinogenic effect.

SULFONIC ACIDS, C14-16-ALKANE-HYDROXY AND C14-16-ALKENE, SODIUM SALTS (SODIUM C14-16 OLEFIN SULFONATE) (CAS: 68439-57-6)

Carcinogenicity Test :

Negative.

No carcinogenic effect.

Species : Mouse

Reproductive toxicant :

SODIUM C10-13 ALKYL BENZENE SULFONATE (SODIUM DODECYLBENZENESULFONATE) (CAS: 68411-30-3)

No toxic effect for reproduction

Specific target organ systemic toxicity - repeated exposure :

SODIUM C10-13 ALKYL BENZENE SULFONATE (SODIUM DODECYLBENZENESULFONATE) (CAS: 68411-30-3)

Oral route :

C = 125 mg/kg poids corporel/jour

Species : Rat

Duration of exposure : 28 jours



11.1.2. Mixture

No test performed on the mixture.

SECTION 12 : ECOLOGICAL INFORMATION

12.1. Toxicity



12.1.1. Substances

SODIUM C10-13 ALKYL BENZENE SULFONATE (SODIUM DODECYLBENZENESULFONATE) (CAS: 68411-30-3)

Fish toxicity :

LC50 = 1.67 mg/l

Duration of exposure : 96 h

0,1 < NOEC <= 1 mg/l

Crustacean toxicity :

EC50 = 2.9 mg/l

Species : Daphnia magna

Duration of exposure : 48 h

0,1 < NOEC <= 1 mg/l

Algae toxicity :

ECr50 = 29 mg/l

Species : Pseudokirchnerella subcapitata

Duration of exposure : 96 h

NOEC > 1 mg/l

SULFONIC ACIDS, C14-16-ALKANE-HYDROXY AND C14-16-ALKENE, SODIUM SALTS (SODIUM C14-16 OLEFIN SULFONATE) (CAS: 68439-57-6)

Fish toxicity :

LC50 = 4.2 mg/l

Duration of exposure : 96 h

OCDE Ligne directrice 203 (Poisson, essai de toxicité aiguë)

Crustacean toxicity :

EC50 = 4.53 mg/l

Duration of exposure : 48 h

OCDE Ligne directrice 202 (Daphnia sp., essai d'immobilisation immédiate)

NOEC = 6.3 mg/l

Duration of exposure : 21 jours

OCDE Ligne directrice 211 (Daphnia magna, essai de reproduction)

Algae toxicity :

ECr50 = 5.2 mg/l

Duration of exposure : 72 h

ISO 10253 (Essai d'inhibition de la croissance des algues marines avec *Skeletonema costatum* et *Phaeodactylum tricornutum*)

NOEC = 3.2 mg/l

Duration of exposure : 72 h

ISO 10253 (Essai d'inhibition de la croissance des algues marines avec *Skeletonema costatum* et *Phaeodactylum tricornutum*)



12.1.2. Mixtures

No test performed on the mixture

12.2. Persistence and degradability

The surfactants contained in the product correspond to the direction on the environmental compatibility of detergents and are biodegradable (EC N°648/2004).



12.2.1. Substances

SODIUM C10-13 ALKYL BENZENE SULFONATE (SODIUM DODECYLBENZENESULFONATE) (CAS: 68411-30-3)

Biodegradability : Rapidly degradable.

SULFONIC ACIDS, C14-16-ALKANE-HYDROXY AND C14-16-ALKENE, SODIUM SALTS (SODIUM C14-16 OLEFIN SULFONATE) (CAS: 68439-57-6)

Biodegradability : no degradability data is available, the substance is considered as not degrading quickly.

12.3. Bioaccumulative potential



12.3.1. Substances

SODIUM C10-13 ALKYL BENZENE SULFONATE (SODIUM DODECYLBENZENESULFONATE) (CAS: 68411-30-3)

Octanol/water partition coefficient : log K_{ow} = 3.4

SULFONIC ACIDS, C14-16-ALKANE-HYDROXY AND C14-16-ALKENE, SODIUM SALTS (SODIUM C14-16 OLEFIN SULFONATE) (CAS: 68439-57-6)

Octanol/water partition coefficient : log K_{ow} = -1.3

Bioaccumulation : BCF = 70.8



12.4. Mobility in soil

No test performed on the mixture.



12.5. Results of PBT and vPvB assessment

See section 2.3



12.6. Other adverse effects

No test performed on the mixture.

SECTION 13 : DISPOSAL CONSIDERATIONS

Proper waste management of the mixture and/or its container must be determined in accordance with Directive 2008/98/EC.

13.1. Waste treatment methods

Do not pour into drains or waterways.

Waste :

Waste management is carried out without endangering human health, without harming the environment and, in particular without risk to water, air, soil, plants or animals.

Recycle or dispose of waste in compliance with current legislation, preferably via a certified collector or company.

Do not contaminate the ground or water with waste, do not dispose of waste into the environment.

Soiled packaging :

Empty container completely. Keep label(s) on container.
Give to a certified disposal contractor.

SECTION 14 : TRANSPORT INFORMATION

Exempt from transport classification and labelling.

- 14.1. UN number**
-
- 14.2. UN proper shipping name**
-
- 14.3. Transport hazard class(es)**
-
- 14.4. Packing group**
-
- 14.5. Environmental hazards**
-
- 14.6. Special precautions for user**
-

SECTION 15 : REGULATORY INFORMATION

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

- Classification and labelling information included in section 2:

The following regulations have been used:

- EU Regulation No. 1272/2008 amended by EU Regulation No. 2016/1179. (ATP 9)

- Container information:

Packaging directive 94/62/EC and its adaptations.

- Particular provisions :

General consumer safety directive 2001/95/EC

- Labelling for detergents (EC Regulation No. 648/2004, 907/2006) :

- 15 % or over but less than 30 % : anionic surfactants
- less than 5 % : nonionic surfactants
- perfumes

15.2. Chemical safety assessment

Evaluation not achieved yet by ingredient suppliers, according to Reach Regulation.

SECTION 16 : OTHER INFORMATION

Since the user's working conditions are not known by us, the information supplied on this safety data sheet is based on our current level of knowledge and on national and community regulations.

The mixture must not be used for other uses than those specified in section 1 without having first obtained written handling instructions.

It is at all times the responsibility of the user to take all necessary measures to comply with legal requirements and local regulations.

The information in this safety data sheet must be regarded as a description of the safety requirements relating to the mixture and not as a guarantee of the properties thereof.

The information given correspond to the knowledge we have on the date mentioned on this document.

Wording of the phrases mentioned in section 3 :

H302	Harmful if swallowed.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H412	Harmful to aquatic life with long lasting effects.

Abbreviations :

DNEL : Derived No-Effect Level

PNEC : Predicted No-Effect Concentration

ADR : European agreement concerning the international carriage of dangerous goods by Road.

IMDG : International Maritime Dangerous Goods.

IATA : International Air Transport Association.

ICAO : International Civil Aviation Organisation

RID : Regulations concerning the International carriage of Dangerous goods by rail.

WGK : Wassergefährdungsklasse (Water Hazard Class).

GHS05 : Corrosion

PBT: Persistent, bioaccumulable and toxic.
vPvB : Very persistent, very bioaccumulable.
SVHC : Substances of very high concern.