Revision Date 29/07/2013

Revision 16

Supersedes date 19/06/2013

SAFETY DATA SHEET BARTOLINE CLEAN SPIRIT (ANNEX II SDS)

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

1.1. Product identifier

Product name BARTOLINE CLEAN SPIRIT (ANNEX II SDS)

Product No. EAN 5010789950101, 5010789955021 & 5010789954000

REACH Registration number mixture

REACH Registration notes Registration number is not applicable as this is a mixture.

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

Identified uses For cleaning oil and water based paints from brushes, rollers, paint pads, hard surfaces and textiles.

Uses advised against Thinning oil based paints.

1.3. Details of the supplier of the safety data sheet

Supplier Bartoline limited

Barmston Close Beverley East Yorkshire HU17 0LW 01482 678710 fax 01482 872606 HSE MANAGER www.bartoline.co.uk

1.4. Emergency telephone number

01482 678727 0800-1700 Monday to Friday NHS Direct (General Public & Workers) 0845 4647

National Emergency Telephone Number

National Poisons Information Service (24hours) 0844 892 0111

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Classification (EC 1272/2008)

Physical and Chemical Hazards Not classified. Human health Not classified. Environment Not classified.

Classification (1999/45/EEC) Not classified.

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

Human health

Prolonged skin contact may cause temporary irritation.

Environment

The product is not expected to be hazardous to the environment.

2.2. Label elements

Label In Accordance With (EC) No. 1272/2008

No pictogram required.

Precautionary Statements

P102 Keep out of reach of children.

Supplemental label information

EUH208 Contains . May produce an allergic reaction.

Less than 5% Non-ionic surfactant. Less than 5% Anionic surfactant.

Less than 5% NTA (Nitrilotriacetic acid) and salts thereof.

2.3. Other hazards

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2. Mixtures

C9-11 Alcohol Ethoxylate			1-5%
CAS-No.: 68439-46-3	EC No.:		
Classification (EC 1272/2008)		Classification (67/548/EEC)	
Acute Tox. 4 - H302		Xn;R22.	
Eye Dam. 1 - H318		Xi;R41.	

ISOTRIDECANOL ETHOXYLATE			1-5%
CAS-No.: 24938-91-8	EC No.:		
Classification (EC 1272/2008)		Classification (67/548/EEC)	
Acute Tox. 4 - H302		Xn;R22.	
Eve Dam. 1 - H318		Xi:R41.	

SODIUM HYDROXIDE			< 1%
CAS-No.: 1310-73-2	EC No.: 215-185-5		Registration Number: 01-2119457892-27
Classification (EC 1272/2008) Skin Corr. 1A - H314		Classification (67/548/EEC) C:R35	

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

REACH Registration number mixture

REACH Registration notesRegistration number is not applicable as this is a mixture.

Ingredient notes

All the surfactants in this mixture have passed the biodegradability test (OECD method) as required in regulation (EC) No 648/2004. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them at their direct request.

Composition Comments

This product is not classified as dangerous according to EC and uk legislation A solution of surfactants dissolved in water This product contains amongst other ingredients: Less than 5% Anionic Surfactant Less than 5% Non-Ionic Surfactant The full text for all risk phrases is displayed in section 16

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures

General information

IN CASE OF SERIOUS OF PERSISTENT CONDITIONS, CALL A DOCTOR OR EMERGENCY MEDICAL CARE.

Inhalation

Due to the small packaging the risk of inhalation is minimal. Move the exposed person to fresh air at once. Place unconscious person on the side in the recovery position and ensure breathing can take place. Perform artificial respiration if breathing has stopped. When breathing is difficult, properly trained personnel may assist affected person by administering oxygen. NEVER MAKE AN UNCONSCIOUS PERSON VOMIT OR DRINK FLUIDS!

Ingestion

Due to the small packaging the risk of ingestion is minimal. Promptly get affected person to drink large volumes of water to dilute the swallowed chemical.

Skin contact

Due to the small packaging the risk of skin contact is minimal. Remove contaminated clothing immediately and wash skin with soap and water.

Eve contact

Make sure to remove any contact lenses from the eyes before rinsing. Immediately flush with plenty of water or eyewash solution for up to 10 minutes. Get medical attention if any discomfort continues.

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

Inhalation.

No specific symptoms noted.

Ingestion

May cause discomfort if swallowed.

Skin contact

Prolonged skin contact may cause redness and irritation.

Eye contact

May cause temporary eye irritation.

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

No specific chemical antidote is known to be required after exposure to this product. Treat Symptomatically.

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing media

Extinguishing media

Use fire-extinguishing media appropriate for surrounding materials. The product is non-combustible.

Unsuitable extinguishing media

None

5.2. Special hazards arising from the substance or mixture

Hazardous combustion products

Incomplete combustion and thermolysis may produce gases of varying toxicity such as carbon monoxide, carbon dioxide, various hydrocarbons, aldeydes and soot. These may be highly dangerous if inhaled in confined spaces or at high concentrations.

Unusual Fire & Explosion Hazards

No unusual fire or explosion hazards noted.

Specific hazards

The product is non-combustible. If heated, harmful vapours may be formed. Considering the size of the packaging, the risk is regarded as minimal.

5.3. Advice for firefighters

Special Fire Fighting Procedures

Containers close to fire should be removed immediately or cooled with water. Keep run-off water out of sewers and water sources. Dike for water control. If risk of water pollution occurs, notify appropriate authorities.

Protective equipment for fire-fighters

Wear self-contained breathing apparatus and protective suit. In case of a large fire or in confined or poorly ventilated spaces, wear full fire retardant protective clothing and self contained breathing apparatus with a full face-piece operated in positive pressure mode.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Wear protective clothing as described in Section 8 of this safety data sheet.

6.2. Environmental precautions

Avoid discharge to the aquatic environment. Do not allow to enter drains, sewers or watercourses. Contain spillages with sand, earth or any suitable adsorbent material. To prevent release, place container with damaged side up.

6.3. Methods and material for containment and cleaning up

Non-hazardous substance. For waste disposal, see section 13. Stop leak if possible without risk. Absorb spillage with suitable absorbent material. Flush area clean with lots of water. Be aware of potential for surfaces to become slippery.

6.4. Reference to other sections

Wear protective clothing as described in Section 8 of this safety data sheet. See section 11 for additional information on health hazards. For waste disposal, see section 13.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Read and follow manufacturer's recommendations. Do not handle broken packages without protective equipment. Avoid contact with skin and eyes. Good personal hygiene is necessary. Wash hands and contaminated areas with water and soap before leaving the work site. Do not eat, drink or smoke when using the product.

7.2. Conditions for safe storage, including any incompatibilities

Keep in original container. Keep upright. Keep above the chemical's freezing point to avoid rupturing the container. Protect from freezing and direct sunlight.

Storage Class

Unspecified storage.

7.3. Specific end use(s)

The identified uses for this product are detailed in Section 1.2.

Usage Description

Apply "common sense" measures when handling this product. Where possible avoid prolonged contact with the skin. Keep containers closed when not in use. Keep out of reach of children. Always follow on pack instructions when using this product

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Name	STD	TWA	- 8 Hrs	STEL	- 15 Min	Notes
C9-11 Alcohol Ethoxylate	WEL	No std.	No std.	No std.	No std.	
ISOTRIDECANOL ETHOXYLATE	WEL	No std.	No std.	No std.	No std.	
SODIUM HYDROXIDE	WEL		2 mg/m3		2 mg/m3	

WEL = Workplace Exposure Limit.

Ingredient Comments

DAIL

WEL = Workplace Exposure Limits Due to the hazardous nature of ingredients, exposure should be minimal.

After assessment of the physicochemical properties, a DNEL derivation is considered unnecessary.

No PNEC data available for this substance.

TRISODIUM NITRILOTRIACETATE (CAS: 5064-31-3)

DNEL				
Industry	Inhalation.	Short Term	Systemic Effects	9.6 mg/m3
Industry	Inhalation.	Long Term	Systemic Effects	3.2 mg/m3
Consumer	Inhalation.	Short Term	Systemic Effects	2.4 mg/m3
Consumer	Oral	Short Term	Systemic Effects	0.9 mg/kg/day
Consumer	Inhalation.	Long Term	Systemic Effects	0.8 mg/m3
Consumer	Oral	Long Term	Systemic Effects	0.3 mg/kg/day
PNEC				
Industry	Freshwater	Long Term	0.93 mg/l	
Industry	Marinewater	Long Term	0.093 mg/l	
Industry	Water	Intermittent release	0.8 mg/l	
Industry	STP	Long Term	270 mg/l	
	10	COTDIDECANOL ETHOYOL	TE (CAS: 24029 01 9)	

<u>ISOTRIDECANOL ETHOXYLATE (CAS: 24938-91-8)</u>

No DNEL data available for this substance. No PNEC data available for this substance.

C9-11 Alcohol Ethoxylate (CAS: 68439-46-3)

DNEL					
Industry	Inhalation.	Long Term	Systemic Effects	294 mg/m3	
Industry	Dermal	Long Term	Systemic Effects	2080 mg/kg/day	
Consumer	Inhalation.	Long Term	Systemic Effects	87 mg/m3	
Consumer	Dermal	Long Term	Systemic Effects	1250 mg/kg/day	
Consumer	Oral	Long Term	Systemic Effects	25 mg/kg/day	
Data quoted is taken from the substance registration document. PNEC					
Freshwater	Long Term	0.10379	mg/l		

Marinewater Long Term 0.10379 mg/l
Intermittent release Intermittent release 0.014 mg/l
STP Long Term 1.4 mg/l

PNEC data extracted from registration document

8.2. Exposure controls

Protective equipment



Engineering measures

Protective engineering solutions should be implemented and in use before Personal Protective Equipment (PPE) is considered.

Respiratory equipment

Respiratory protection not required.

Hand protection

For prolonged or repeated skin contact use suitable protective gloves. SPECIFIC RECOMMENDATIONS. Use protective gloves made of: Neoprene, nitrile, polyethylene or PVC.

Eye protection

Where there is a risk of splashes to the eyes it is recommended that safety glasses/goggles approved to EN166 standard are worn.

Other Protection

Wear general workwear

Hygiene measures

Wash promptly with soap & water if skin becomes contaminated. When using do not eat, drink or smoke.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Appearance Clear liquid.

Colour Water-white.

Odour Almost odourless.

Solubility Soluble in water. Insoluble in ordinary solvents.

100

Initial boiling point and boiling range

Melting point (°C)
Not relevant

Relative density 1.012 20

Vapour density (air=1)

Not relevant

Vapour pressure

Not relevant

pH-Value, Conc. Solution 10.2

Viscosity

Not relevant

Flash point 100 CC (Closed cup).

Auto Ignition Temperature (°C)

Not relevant

Flammability Limit - Lower(%)

Not relevant

Flammability Limit - Upper(%)

Not relevant

Partition Coefficient log Pow ~ 1.01

(N-Octanol/Water) Explosive properties

Not Explosive

Oxidising properties

Does not meet the criteria for oxidising.

Comments Information declared as "Not available, Not relevant or Not applicable" is not considered justified for

enabling proper control measures to be taken.

9.2. Other information

Volatile By Vol. (%) 3

Volatile Organic Compound (VOC) MAX 40 g/litre

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

No specific reactivity hazards associated with this product.

10.2. Chemical stability

Stable under normal temperature conditions and recommended use.

10.3. Possibility of hazardous reactions

None under normal processing.

Hazardous Polymerisation

Will not polymerise.

10.4. Conditions to avoid

Avoid frost. Avoid exposure to high temperatures or direct sunlight.

10.5. Incompatible materials

Materials To Avoid

Acids, oxidising.

10.6. Hazardous decomposition products

None under normal conditions. Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Toxicological information

The severity of acute effects is such that significant repeated or prolonged exposure is unlikely. The data for the hazardous constituents is shown below.

Skin Corrosion/Irritation:

THE CONCLUSION FOR IRRITATION/CORROSION IS FOR THE PRODUCT AS A WHOLE.

Not irritating. Non Corrosive to skin.

Extreme pH.

Moderate pH (> 2 and < 11.5).

Respiratory or skin sensitisation:

There is no evidence that the material can lead to respiratory hypersensitivity.

THE CONCLUSION ON SENSITIVITY IS FOR THE PRODUCT AS A WHOLE.

Not Sensitising.

Carcinogenicity:

This product is not classified carcinogenic.

Specific target organ toxicity - single exposure:

STOT - Single exposure

Not relevant

Specific target organ toxicity - repeated exposure:

STOT - Repeated exposure

Not relevant

General information

This product has low toxicity. Only large volumes may have adverse impact on human health.

Inhalation

Unlikely to be hazardous by inhalation because of the low vapour pressure of the substance at ambient temperature.

Ingestion

No harmful effects expected in amounts likely to be ingested by accident.

Skin contact

Skin irritation is not anticipated when used normally. Prolonged contact may cause dryness of the skin.

Eye contact

May cause temporary eye irritation.

Health Warnings

This product has low toxicity. Only large volumes may have adverse impact on human health.

Route of entry

Skin and/or eye contact.

Target Organs

Skin Eyes

Medical Symptoms

Prolonged or repeated exposure may cause: Dry skin.

Medical Considerations

Skin disorders and allergies.

Toxicological information on ingredients.

SODIUM HYDROXIDE (CAS: 1310-73-2)
TRISODIUM NITRILOTRIACETATE (CAS: 5064-31-3)

Acute toxicity:

Acute Toxicity (Oral LD50)

~ 1740 mg/kg Rat

ISOTRIDECANOL ETHOXYLATE (CAS: 24938-91-8)

Acute toxicity:

Acute Toxicity (Oral LD50)

< 2000 mg/kg Rat

C9-11 Alcohol Ethoxylate (CAS: 68439-46-3)

Acute toxicity:

Acute Toxicity (Oral LD50)

< 2000 mg/kg Rat

Acute Toxicity (Dermal LD50)

~ 5000 mg/kg

Based on available data the classification criteria are not met.

Acute Toxicity (Inhalation LC50)

> 20.1 mg/l (vapours) 4 hours

Respiratory or skin sensitisation:

Not Sensitising.

Germ cell mutagenicity:

Genotoxicity - In Vitro

Gene Mutation:

Negative.

Genotoxicity - In Vivo

Gene Mutation:

Negative.

Specific target organ toxicity - repeated exposure:

STOT - Repeated exposure

NOAEL 250 mg/kg Oral

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity

The product is not expected to be hazardous to the environment.

12.1. Toxicity

Acute Fish Toxicity

Not considered toxic to fish.

Acute Toxicity - Fish

LC50 96 hours ~ 10000 mg/l Leuciscus idus (Golden orfe)

Data quoted above is for the major solvent ingredient.

Acute Toxicity - Aquatic Invertebrates

~ 1919 mg/l Daphnia magna EC50 48 hours

The data quoted above is for the main solvent ingredient.

Acute Toxicity - Aquatic Plants

EC50 72 hours ~ 1000 mg/l Scenedesmus subspicatus

The data quoted above is for the main solvent ingredient.

Ecological information on ingredients.

TRISODIUM NITRILOTRIACETATE (CAS: 5064-31-3)

LC 50, 96 Hrs, Fish mg/l

>100

EC 50, 48 Hrs, Daphnia, mg/l

>100

IC 50, 72 Hrs, Algae, mg/l

>100

ISOTRIDECANOL ETHOXYLATE (CAS: 24938-91-8)

LC 50, 96 Hrs, Fish mg/l

<100

EC 50, 48 Hrs, Daphnia, mg/l

<100

IC 50, 72 Hrs, Algae, mg/l

<100

C9-11 Alcohol Ethoxylate (CAS: 68439-46-3)

96 hours < 10 mg/l Freshwater fish

The value is estimated from tests on similar products.

48 hours < 10 mg/l Daphnia magna

The value is estimated from tests on similar products.

Acute Toxicity - Aquatic Plants

EC50 72 hours < 10 mg/l Marinewater algae

The value is estimated from tests on similar products.

12.2. Persistence and degradability

Degradability

This surfactant complies with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

Ecological information on ingredients.

ISOTRIDECANOL ETHOXYLATE (CAS: 24938-91-8)

Degradability

The product is easily biodegradable.

C9-11 Alcohol Ethoxylate (CAS: 68439-46-3)

Based on the suppliers SDS this ingredient is expected to be biodegradable

Degradation (60%) > 28 days

Modified Sturm Test (OECD 301B).

Primary biodegregation >90%.

12.3. Bioaccumulative potential

Bioaccumulative potential

Bioconcentration potential is low (BCF < 100 or Log Pow <3).

Data quoted is for the main ingredient

Partition coefficient

log Pow ~ 1.01

Ecological information on ingredients.

ISOTRIDECANOL ETHOXYLATE (CAS: 24938-91-8)

Bioaccumulative potential

The product does not contain any substances expected to be bioaccumulating.

12.4. Mobility in soil

Mobility:

Given its very low Henry's constant, volatilization from natural bodies of water or moist soil is not expected to be an important fate process, Potential for mobility in soil is very high (Koc between 0 and 50).

Henry's Law Constant)H): 1.6E-07 atm*m3/mole @ 25deg C Estimated.

Ecological information on ingredients.

ISOTRIDECANOL ETHOXYLATE (CAS: 24938-91-8)

Mobility:

The product is soluble in water.

12.5. Results of PBT and vPvB assessment

This product does not contain any PBT or vPvB substances.

Ecological information on ingredients.

ISOTRIDECANOL ETHOXYLATE (CAS: 24938-91-8)

This product does not contain any PBT or vPvB substances.

C9-11 Alcohol Ethoxylate (CAS: 68439-46-3)

Not Classified as PBT/vPvB by current EU criteria.

12.6. Other adverse effects

The main ingredient is not in Annex I of Regualtion (EC) 2037/2000 on substances that deplete the ozone layer.

SECTION 13: DISPOSAL CONSIDERATIONS

General information

Waste to be treated as controlled waste. Disposal to licensed waste disposal site in accordance with local Waste Disposal Authority.

13.1. Waste treatment methods

Dispose of waste and residues in accordance with local authority requirements. Small amounts may be flushed with water to sewer. Larger volumes must be sent to approved plant for destruction.

Waste Class

EU Wasre code 20 01 30 detergents other than those mentioned in 20 01 29. Empty plastic containers can be disposed of using EU Waste code 15 01 02 plastic packaging. These codes have been assigned based on the actual composition of the product both as supplied and as dried residues. If mixed with other wastes, the waste codes quoted may not be applicable.

SECTION 14: TRANSPORT INFORMATION

General The product is not covered by international regulation on the transport of dangerous goods (IMDG, IATA,

ADR/RID).

Road Transport NotesNot ClassifiedRail Transport NotesNot classified.Sea Transport NotesNot classified.Air Transport NotesNot classified.

14.1. UN number

Not applicable.

14.2. UN proper shipping name

Not applicable.

14.3. Transport hazard class(es)

Not applicable.

Transport Labels

No transport warning sign required.

14.4. Packing group

Not applicable.

14.5. Environmental hazards

Environmentally Hazardous Substance/Marine Pollutant

No.

14.6. Special precautions for user

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Not applicable.

SECTION 15: REGULATORY INFORMATION

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

Uk Regulatory References

Health and Safety at Work Act 1974. The Control of Substances Hazardous to Health Regulations 2002 (S.I 2002 No. 2677) with amendments. Chemicals (Hazard Information & Packaging) Regulations.

Environmental Listing

Control of Pollution Act 1974. The surfactants contained in this product comply with the biodegradability criteria laid down in EC No 648/2004 Articles 4 and 9 on detergents. Data to support this assertion is held at the disposal of the competent authorities of the Member States and will be made available to them on their request.

EU Legislation

Dangerous Preparations Directive 1999/45/EC. Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments.

National Regulations

Users of this product are reminded of their duties under the current Control of Substances Hazardous to Health Regulations and a suitable and sufficient assessment of all the risk should be undertaken before using this product. The guidelines given in the HSE publication COSHH ESSENTIALS - Easy Steps To Control Chemicals gives sound advice for deciding safe working control measures.

Authorisations (Title VII Regulation 1907/2006)

No specific authorisations are noted for this product.

Restrictions (Title VIII Regulation 1907/2006)

No specific restrictions of use are noted for this product.

15.2. Chemical Safety Assessment

No chemical safety assessment has been carried out.

SECTION 16: OTHER INFORMATION

General information

When surfaces are to be prepared for painting account must be taken of the age of the property and the possibility that lead may be present. As a working rule you should assume that this will be the case if the age of the property is pre 1960. Where possible wet flatting or chemical stripping methods should be used with surfaces of this type to avoid the formation of lead dust.

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Risk Phrases In Full

NC Not classified.

R22 Harmful if swallowed.
R35 Causes severe burns.

R41 Risk of serious damage to eyes.

Hazard Statements In Full

H318 Causes serious eye damage.

H314 Causes severe skin burns and eye damage.

H302 Harmful if swallowed.

Disclaimer

The information contained in this data sheet is provided in accordance with the requirements of the Regulation (EC) No 1907/2006 (REACH) and Regulation (EC) No 1272/2008 (CLP) The product should not be used for purposes other than those shown in Section 1.2. As the specific conditions of use are outside the suppliers control, the user is responsible for ensuring that the requirements of relevant legislation are complied with. The information contained in this safety data sheet is based on the present knowledge and the current EC and Uk Legislation. It provides guidance on health, safety and environmental aspects of the product and should not be taken as a product specification.