

InSpec N10 Concentrate

Date: 2018-05-10

Revision No. 6.0

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

1.1 Product Identifier

Trade Name: InSpec N10 Concentrate

Product Number: -

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

Identified Uses: Detergent (for professional uses only)

1.3 Details of the supplier of the safety data sheet

Redditch Medical (a division of Entaco Ltd), Unit 90 Heming Rd, Washford, Redditch, B98 0EA, United Kingdom.

Contact Details

Redditch Medical (a division of Entaco Ltd),
Unit 90 Heming Rd,
Washford, Redditch,
B98 0EA,
United Kingdom
Telephone number +44 (0) 1527 830940
Regulatory Email: craig.thomas@redditchmedical.com

1.4 Emergency telephone number

For medical or environmental emergency only:

Call + 44 (0) 1527 830940 (office hours, UK)

+ 44 (0) 7377 544472 (out-of-office hours, UK)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

The product has been classified and labelled in accordance with Regulation (EC) No 1272/2008.

Physical hazards: Not classified.

Health hazards: Skin. Corr. 1A (H314)

Eye Dam. 1

Environmental hazards: Not classified.

2.2 Label elements



Signal Word: Danger

Contains sodium hydroxide

Hazard Statements:

- H314 – Causes severe skin burns and eye damage.

Precautionary Statements:

- P260 – Do not breathe fume / gas / mist / vapours / spray.
- P280 – Wear protective gloves / protective clothing / eye protection / face protection.
- P301 + P330 + P331 – IF SWALLOWED: rinse mouth. Do NOT induce vomiting.
- P303 + P361 + P353 – IF ON SKIN (or hair): Remove / Take off immediately all contaminated clothing. Rinse skin with water / shower.
- P305 + P351 + P338 – IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P310 – Immediately call a POISON CENTER or doctor / physician.

2.3 Other hazards

No other hazards known. The product does not contain components which are known to meet the criteria for PBT or vPvB in accordance with Regulation (EC) No 1907/2006, Annex XIII.

SECTION 3: Composition / information on ingredients

3.1 Substances

The product is a mixture (see sub-section 3.2 of this Safety Data Sheet).

3.2 Mixtures

Ingredient(s)	EC number	CAS number	REACH number	Classification according Regulation (EU) No 1272/2008 (CLP)	Notes	Content (% w/w)
Sodium hydroxide	215-185-5	1310-73-2	01-2119457892-27-XXXX	Skin Corr. 1A (H314)	-	1-10
C9-C11 alkyl alcohol, ethoxylate	500-446-0	68439-46-3	01-2119979533-26-XXXX	Eye Dam. 1 (H318)	-	1-10
Quaternary coco alkyl methyl amine ethoxylate methyl chloride	-	863679-20-03	-	Acute Tox. 4 (H302) Skin Irrit. 2 (H315) Eye Dam. 1 (H318)	-	1-10
Sodium xylene sulfonate	215-090-9	1300-72-7	01-2119513350-56-0001	Eye Irrit. 2 (H319)	-	1-10

Additional information:

For full text of Hazard (H) statements see Section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

Inhalation:	Remove affected person to fresh air and keep at rest in a position comfortable for breathing. If unconscious and breathing is okay, place in recovery position. If conscious, ensure the casualty sits or lies down. If breathing becomes bubbly, have the affected person sit and provide oxygen if available. Get medical advice / attention as soon as possible.
Skin contact:	Remove / Take off immediately contaminated clothing and wash it before re-use. Rinse skin with running water for at least 10 minutes if substance is still on skin. Get medical advice / attention if there are burns or symptoms of poisoning.
Eye contact:	Immediately rinse eyes cautiously with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical advice / attention for specialist examination.
Ingestion:	Rinse mouth with water. Do NOT induce vomiting. Give 1 cup of water to drink every 10 minutes. If affected person is unconscious, check for breathing and apply artificial respiration if necessary. If affected person is unconscious and breathing is okay, place in recovery position. Get medical advice / attention as soon as possible.
Self-protection of first-aider:	Consider personal protective equipment as indicated in sub-section 8.2 of this Safety Data Sheet.

4.2 Most important symptoms and effects, both acute and delayed

Inhalation:	There may be shortness of breath with a burning sensation in the throat. Exposure may cause coughing and wheezing.
Skin contact:	Blistering may occur. Progressive ulceration will occur if treatment is not immediate.
Eye contact:	Corneal burns may occur. May cause permanent damage.
Ingestion:	Corrosive burns may appear around the lips. Blood may be vomited. There may be bleeding from the mouth or nose.
General Information:	Immediate effects can be expected after short-term exposure.

4.3 Indication of any immediate medical attention and special treatment needed

Eye bathing equipment should be available on the premises.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media for the surrounding fire should be used. Use water spray to cool containers.

5.2 Special hazards arising from the substance or mixture

Corrosive. In combustion emits toxic fumes.

5.3 Advice for firefighters

As in the event of any fire, wear self-contained breathing apparatus and suitable personal protective equipment including gloves and eye / face protection.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Notify the police and fire brigade immediately. If outside, keep bystanders upwind and away from the point of danger. Mark out the contaminated area with signs and prevent access to unauthorised personnel. Do not attempt to take action without suitable personal protective equipment. If safe to do so, turn leaking containers leak-side up to prevent escape of liquid.

6.2 Environmental precautions

Do not allow to enter drainage system, surface or groundwater. Contain the spillage using bunding.

6.3 Methods and material for containment and cleaning up

Clean-up should be dealt with only by qualified personnel familiar with the specific substance. Collect with non-combustible absorbent material (e.g. sand, diatomaceous earth, universal binders, sawdust, vermiculite) and place in a suitable container for disposal according to local / national regulations.

6.4 Reference to other sections

For personal protective equipment see sub-section 8.2 of this Safety Data Sheet. For disposal considerations on see section 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Measures to protect human health: Avoid direct contact with substance. Ensure there is sufficient ventilation of the area. Do not handle in a confined space. Avoid formation or spread of mists in air. Take off immediately all contaminated clothing; wash contaminated clothing before reuse. Use personal protective equipment (e.g. gloves, goggles) as required.

Advice on general occupational hygiene: Handle in accordance with good industrial hygiene and safety practice. Keep away from food, drink, and animal feeding stuffs. Wash hands before breaks and at the end of the work day. Wash face, hands and any exposed skin thoroughly after handling.

7.2 Conditions for safe storage, including any incompatibilities

Do not store at extreme temperatures. Store in a well-ventilated area. Keep only in original container. Keep container tightly closed. Store locked up.

7.3 Specific end use(s)

No additional information.

SECTION 8: Exposure controls / personal protection

8.1 Control parameters

Workplace exposure limits:

Air limit values, if available:

Ingredient(s) / Country	Long term exposure limit (8 hour TWA)	Short term exposure limits (STEL)	Reference / Legal Basis
Sodium hydroxide			
United Kingdom	n/a	2 mg/m ³	UK EH40 WEL; Workplace Exposure Limits
Austria	2 mg/m ³ (inhalable)	4 mg/m ³ (inhalable)	MAK / TRK; Austrian OEL Regulation
Belgium	2 mg/m ³	n/a	VLEP / GWBB
Denmark	2 mg/m ³	2 mg/m ³	Arbejdstilsynet; Executive Order on Limit Values for Substances and Materials (Denmark)
Finland	n/a	2 mg/m ³ *	HTO-arvot 2016, Ministry of Social Affairs and Health (Finland)
France	2 mg/m ³	n/a	VLE; French Labour code / French Labour Ministry
Germany	200 ppm – AGS (500 mg/m ³ - AGS) / 200 ppm – DFG (500 mg/m ³ – DFG)	400 ppm – AGS (1000 mg/m ³ – AGS)* / 400 ppm – DFG (1000 mg/m ³ – DFG)	DFG; Commission for the Investigation of Health Hazards of Chemical Compounds in the Work Area AGS; German Committee on Hazardous Substances
Hungary	2 mg/m ³	2 mg/m ³	Hungarian decree No. 25/2000

			(IX.30)
Ireland	n/a	2 mg/m ³	Health and Safety Authority – Code of Practice for the Chemical Agents Regulation (Ireland)
Spain	2 mg/m ³	n/a	Limit Values Spain, Royal Decree 374/2001

*Ceiling limit value

Biological limits, if available: Not available.

Recommended monitoring procedures, if available: Not available.

Additional exposure limits under the conditions of use, if available: Not available.

8.2 Exposure controls

The following information applies for the uses indicated in sub-section 1.2 of this Safety Data Sheet.

If available, please refer to the product information sheet for application and handling instructions.

Normal use conditions are assumed for this section.

Recommended safety measures for handling the undiluted product:

Engineering measures: Use only outdoors or in well-ventilated areas / provide adequate general and local exhaust.

Personal Protective Equipment

Eye/face protection: Wear tightly fitting safety goggles to an approved standard. Ensure eye bath is available on premises.

Respiratory protection: Respiratory protection is not required. Self-contained breathing apparatus must be available in case of emergency.

Hand protection: Wear chemical (alkali)-resistant, impervious gloves to an approved standard.

Other skin and body protection: Wear chemical (alkali)-resistant protective clothing.

Hygiene measures: Do not smoke in work area. Wash hands before work breaks, immediately after handling the product, and before eating, smoking and using the toilet. Avoid contact with skin, eyes, and clothing. Remove and wash contaminated clothing and gloves, including the inside and before re-use. When using do not eat, drink, or smoke.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Information in this section refers to the mixture.

		Method / remark
Physical State:	Liquid.	-
Colour:	Pale yellow.	-
Odour:	Characteristic odour.	-
pH:	> 13	-
Melting point /freezing point:	Not available.	-
Initial boiling point and boiling range:	Not available.	-
Flash point:	Not available.	-
Evaporation rate:	Not available.	-
Flammability (solid, gas):	Not available.	-

Upper/lower flammability or explosive limits:	Not available.	-
Vapour pressure:	Not available.	-
Vapour density:	Not available.	-
Relative density:	1.07	-
Solubility(ies)	Miscible with water.	-
Partition coefficient: n-octanol/water:	Not available.	-
Auto-ignition temperature:	Not available.	-
Decomposition temperature:	Not available.	-
Viscosity:	Not available.	-
Explosive properties:	Not available.	-
Oxidising properties:	Not available.	-

9.2 Other information No additional information.

SECTION 10: Stability and reactivity

10.1 Reactivity

Stable under recommended transport or storage conditions.

10.2 Chemical stability

Stable under normal storage and use conditions.

10.3 Possibility of hazardous reactions

No hazardous reactions known under normal storage and use conditions.

Decomposition may occur on exposure to conditions or materials listed in sub-sections 10.4 and 10.5 of this Safety Data Sheet.

10.4 Conditions to avoid

Direct sunlight. Heat.

10.5 Incompatible materials

Strong oxidising agents. Strong acids.

10.6 Hazardous decomposition products

In combustion emits toxic fumes.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

No data is available on the mixture / product.

The following substance data is provided for ingredients in the mixture / product:

Sodium Hydroxide		
Acute toxicity:	LD50 (IPR): 40 mg/kg	Method – not available. Test species – mouse.
	LDLo (Oral): 500 mg/kg	Method – not available. Test species – rabbit.
Skin corrosion / irritation:	No information available.	
Serious eye damage / irritation:	No information available.	
Respiratory or skin sensitisation:	No information available.	
Germ cell mutagenicity:	No information available.	
Carcinogenicity:	No information available.	
Reproductive toxicity:	No information available.	

STOT-single exposure:	No information available.
STOT-repeated exposure:	No information available.
Aspiration hazard:	No information available.

C9-C11 alkyl alcohol, ethoxylate		
Acute toxicity:	LD50 (Oral) ca. 2000 mg/kg	Method – not available. Test species – rat.
Skin corrosion / irritation:	No information available.	
Serious eye damage / irritation:	No information available.	
Respiratory or skin sensitisation:	No information available.	
Germ cell mutagenicity:	No information available.	
Carcinogenicity:	No information available.	
Reproductive toxicity:	No information available.	
STOT-single exposure:	No information available.	
STOT-repeated exposure:	No information available.	
Aspiration hazard:	No information available.	

Sodium xylene sulfonate		
Acute toxicity:	LD50 (Oral) 7200 mg/kg	Method – not available. Test species – rat.
	LD50 (Dermal) 2000 mg/kg	Method – not available. Test species – rabbit.
Skin corrosion / irritation:	No information available.	
Serious eye damage / irritation:	No information available.	
Respiratory or skin sensitisation:	No information available.	
Germ cell mutagenicity:	No information available.	
Carcinogenicity:	No information available.	
Reproductive toxicity:	No information available.	
STOT-single exposure:	No information available.	
STOT-repeated exposure:	No information available.	
Aspiration hazard:	No information available.	

SECTION 12: Ecological information

12.1 Toxicity

No information is available on the product / mixture.

The following substance data is provided for ingredients in the mixture / product:

C9-C11 alkyl alcohol, ethoxylated		
Aquatic acute (short-term) toxicity		
Aquatic acute (short-term) toxicity – fish:	LC50: 23.7 mg/l	Method – not available. Test species – <i>Oncorhynchus mykiss</i> (Rainbow trout). Exposure time – 96 hours.
Aquatic acute (short-term) toxicity – crustacea:	EC50: 13.4 mg/l	Method – not available. Test species – <i>Daphnia magna</i> . Exposure time – 48 hours.

Aquatic acute (short-term) toxicity – algae:	No information available.
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Sodium xylene sulfonate			
Aquatic acute (short-term) toxicity			
Aquatic acute (short-term) toxicity – fish:	LC50:	1000 mg/l	Method – not available. Test species – fish species not stated. Exposure time – 96 hours.
Aquatic acute (short-term) toxicity – crustacea:	EC50:	1000 mg/l	Method – not available. Test species – <i>Daphnia magna</i> . Exposure time – 48 hours.
Aquatic acute (short-term) toxicity – algae:	LC50:	230 mg/l	Method – not available. Test species – algae species not stated. Exposure time – 48 hours.

12.2 Persistence and degradability

Biodegradable.

12.3 Bioaccumulative potential

No bioaccumulation potential.

12.4 Mobility in soil

Readily absorbed into soil.

12.5 Results of PBT and vPvB assessment

The mixture contains no components that are known to be Persistent, Bioaccumulative and Toxic (PBT), or very Persistent and very Bioaccumulative (vPvB).

12.6 Other adverse effects

No other adverse effects known.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Dispose of contents / container to according to national / local regulations. Transfer to suitable container and arrange for collection by specialised disposal company. For disposal of packaging arrange for collection by specialised disposal company.

SECTION 14: Transport Information

	ADR/RID:	IMDG:	ICAO/IATA:	ADN:
14.1 UN number:	1824	1824	1824	1824
14.2 UN proper shipping name:	SODIUM HYDROXIDE SOLUTION	SODIUM HYDROXIDE SOLUTION	SODIUM HYDROXIDE SOLUTION	SODIUM HYDROXIDE SOLUTION
14.3 Transport hazard class(es):	8 (CORROSIVE)	8 (CORROSIVE)	8 (CORROSIVE)	8 (CORROSIVE)
Tunnel restriction code:	E	-	-	-
Transport category:	3	-	-	-
14.4 Packing group:	III	III	III	III
14.5 Environmental hazards				
Environmentally hazardous:	No			
Marine pollutant:	No			
14.6 Special precautions for user:	None known			

- 14.7 Transport in bulk according to Annex II of MARPOL and the IBC Code:** Not applicable – the product is not transported in bulk containers.

SECTION 15: Regulatory information

This Safety Data Sheet is compiled in accordance with the requirements of Regulation (EC) No 1907/2006 (REACH), amended by Regulation (EU) 2015/830.

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

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15.2 Chemical safety assessment

Not available for this product / mixture.

SECTION 16: Other information

The information is given in good faith and is based upon current available data. The user must determine if the product is correct for any particular application; the information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text. This document is not a warranty or specification. This document does not constitute a guarantee for any specific product features and does not establish a legally binding contract.

Version: 6.0

Revision Date: 2018/05/10

Revision Note: -

The following updates have been made in this revision of the Safety Data Sheet: overall formatting updated and minor revisions to wording in some sections; Section 1 – updates to supplier contact details; Section 2 – classification of mixture listed only in accordance with Regulation (EC) No. 1272/2008 (CLP), with updated classification, hazard statements and precautionary statements; Section 3 – classification of ingredients in mixture listed only in accordance with Regulation (EC) No. 1272/2008 (CLP); Section 4 – minor updates to stated first aid measures; Section 6 – minor updates to stated accidental release measures; Section 7 – minor updates to stated safe storage and handling; Section 8 – occupational exposure limits for ingredients in mixture updated, and minor updates exposure controls (including addition of hygiene measures).; Section 13 – minor revisions to wording of disposal considerations.

Key literature references and sources for data

Safety Data Sheet (Ver 5), the ECHA classification and labelling Inventory, the Health and Safety Executive's (UK) EH40/2005 Workplace exposure limits, GESTIS Substance Database (Occupational Exposure Limits).

Full text of the H and EUH phrases mentioned in section 3:

- H302 – Harmful if swallowed.
- H314 – Causes severe skin burns and eye damage.
- H315 – Cause skin irritation.
- H318 – Causes serious eye damage.
- H319 – Cause serious eye irritation.

Abbreviations and acronyms:

- PBT – Persistent, Bioaccumulative and Toxic.
- REACH number – REACH registration number, without supplier specific part.
- vPvB – very Persistent and very Bioaccumulative.
- STOT – specific target organ toxicity.
- TWA – Time weighted average.
- STEL – Short term exposure limit.
- IPR – Intraperitoneal.
- ADR / RID – European Agreement concerning the International Carriage of Dangerous Goods by Road / Regulation concerning the International

Carriage of Dangerous Goods by Rail.

- IMDG – International Maritime Dangerous Goods Code.
- ICAO / IATA – International Civil Aviation Organization / International Air Transport Association.
- ADN – European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways.
- MARPOL – International Convention for the Prevention of Pollution from Ships.

End of Safety Data Sheet