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SAFETY DATA SHEET

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

**1.1 Product identifier**

- Product Name: NVS SELECT INSTRUMENT DISINFECTANT CONCENTRATE
- UFI:

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

- Use of the substance/mixture: Instrument Disinfection

**1.3 Details of the supplier of the safety data sheet**

- Name of Supplier: National Veterinary Services Ltd.
- Address of Supplier: National Veterinary Services Ltd.  
Unit C250, Iron Place  
Spitfire House  
Stoke-on-Trent  
ST1 5FG
- Telephone: +44 (0) 1782 771 100
- Email: nvs.enquiry@nvs-ltd.co.uk

**1.4 Emergency telephone number**

- Emergency Telephone: +44 (0) 1606 591 900
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**SECTION 2: Hazards identification**

**2.1 Classification of the substance or mixture**

- CLP: Skin Sens. 1, Skin Corr. 1B, Aquatic Chronic 2

**2.2 Label elements**



GHS05



GHS09

- Signal Word: Danger

**Hazard statements**

- H314 - Causes severe skin burns and eye damage.
- H317 - May cause an allergic skin reaction.
- H411 - Toxic to aquatic life with long lasting effects.
- H373 - May cause damage to organs through prolonged or repeated exposure by ingestion

**Precautionary statements**

- P281 - Use personal protective equipment as required.
  - P301+P330+P331 - IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
  - P302+P352 - IF ON SKIN: Wash with plenty of soap and water.
  - P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing.
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**SECTION 2: Hazards identification (....)**

Rinse skin with water [or shower].

P333+P313 - If skin irritation or rash occurs: Get medical advice/attention.

P314 - Get medical advice/attention if you feel unwell.

P405 - Store locked up.

P201 - Obtain special instructions before use.

P202 - Do not handle until all safety precautions have been read and understood.

**2.3 Other hazards**

- Contains: Polyhexamethylene biguanide hydrochloride; PHMB  
QUATERNARY AMMONIUM COMPOUNDS, BENZYL-C8-18-ALKYLDIMETHYL,  
CHLORIDES
- 

**SECTION 3: Composition/information on ingredients****3.2 Mixtures****ALCOHOLS, C9-11 ETHOXYLATED**

CAS Number:	68439-46-3
EC Number:	Not applicable
Concentration:	1 - 3.0%
Specific Concentration Limits:	Not applicable
M factor:	Not applicable
Acute toxicity estimate:	
Categories:	Acute Tox. 4, Eye Dam. 1
Symbols:	GHS05, GHS07
H Statements:	H302, H318

**polyhexamethylene biguanide hydrochloride; PHMB**

CAS Number:	32289-58-0
EC Number:	Not applicable
Concentration:	0.1 - 1.0%
Specific Concentration Limits:	Not applicable
M factor:	Not applicable
Acute toxicity estimate:	Not applicable
Categories:	Acute Tox. 2, Acute Tox. 4, Eye Dam. 1, Skin Sens. 1B, Aquatic Acute 1, Aquatic Chronic 1
Symbols:	GHS08;GHS06;GHS05;GHS09
H Statements:	H351;H330;H302;H372;H318;H317;H400;H410

**DIPROPYLENEGLYCOL METHYLETHER**

CAS Number:	34590-94-8
EC Number:	252-104-2
Concentration:	1 - 3%
Specific Concentration Limits:	Not applicable
M factor:	Not applicable
Acute toxicity estimate:	Not applicable
Categories:	Not applicable

**QUATERNARY AMMONIUM COMPOUNDS, BENZYL-C8-18-ALKYLDIMETHYL,  
CHLORIDES**

**SECTION 3: Composition/information on ingredients (....)**

CAS Number:	68424-85-1
EC Number:	270-325-2
Concentration:	1 - 5%
Specific Concentration Limits:	Not applicable
M factor:	1
Acute toxicity estimate:	Not applicable
Categories:	Met. Corr. 1, Acute Tox. 4, Skin Corr. 1B, Eye Dam. 1, Aquatic Acute 1, Aquatic Chronic 1
H Statements:	H290, H302, H314, H318, H400, H410
M factor, acute:	1

**tetrasodium ethylene diamine tetraacetate**

CAS Number:	64-02-8
EC Number:	200-573-9
Concentration:	0.1 - 1%
Specific Concentration Limits:	Not applicable
M factor:	Not applicable
Acute toxicity estimate:	Not applicable
Categories:	Acute Tox. 4, Eye Dam. 1
Symbols:	GHS05;GHS07
H Statements:	H302;H318

**trisodium nitrilotriacetate**

CAS Number:	5064-31-3
EC Number:	225-768-6
Concentration:	0.01 - 0.08%
Specific Concentration Limits:	Not applicable
M factor:	Not applicable
Acute toxicity estimate:	Not applicable
Categories:	Acute Tox. 4, Eye Irrit. 2, Carc. 2
Symbols:	GHS08;GHS07
H Statements:	H351;H302;H319

**GLYCINE, N-(CARBOXYMETHYL)-N-[2-[(CARBOXYMETHYL)AMINO]ETHYL]-, TRISODIUM SALT**

CAS Number:	19019-43-3
EC Number:	Not applicable
Concentration:	0.01 - 0.08%
Specific Concentration Limits:	Not applicable
M factor:	Not applicable
Acute toxicity estimate:	Not applicable
Categories:	Eye Irrit. 2
Symbols:	GHS07
H Statements:	H319

**SODIUM GLYCOLATE**

CAS Number:	2836-32-0
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**SECTION 3: Composition/information on ingredients (....)**

EC Number:	220-624-9
Concentration:	0.01 - 0.08%
Specific Concentration Limits:	Not applicable
M factor:	Not applicable
Acute toxicity estimate:	Not applicable
Categories:	Skin Irrit. 2, Eye Dam. 1
Symbols:	GHS05
H Statements:	H315, H318

**sodium hydroxide; caustic soda**

CAS Number:	1310-73-2
EC Number:	215-185-5
Concentration:	0.01 - 0.08%
Specific Concentration Limits:	Not applicable
M factor:	Not applicable
Acute toxicity estimate:	Not applicable
Categories:	Skin Corr. 1A
Symbols:	GHS05
H Statements:	H314

**PHOSPHORIC ACID >25 ...%**

CAS Number:	7664-38-2
EC Number:	231-633-2
Concentration:	0.01 - 0.15%
Specific Concentration Limits:	Not applicable
M factor:	Not applicable
Acute toxicity estimate:	Not applicable
Categories:	Met. Corr. 1, Acute Tox. 4, Skin Corr. 1B, Eye Dam. 1
Symbols:	GHS05, GHS07
H Statements:	H290, H302, H314, H318
REACH Registration Number:	01-2119485924-24-XXXX

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**SECTION 4: First aid measures****4.1 Description of first aid measures**

- If skin irritation or rash occurs: Get medical advice/attention.
- Wash contaminated clothing before reuse.

**4.2 Most important symptoms and effects, both acute and delayed****4.3 Indication of any immediate medical attention and special treatment needed**

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**SECTION 5: Firefighting measures****5.1 Extinguishing media**

- Not flammable. In case of fire use extinguishing media appropriate to surrounding conditions

**5.2 Special hazards arising from the substance or mixture**

## SECTION 5: Firefighting measures (....)

- No hazard expected under normal conditions of use

### 5.3 Advice for firefighters

- No special precautions are required for this product
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## SECTION 6: Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures

- Wear eye/face protection
- Wear protective clothing as per section 8

### 6.2 Environmental precautions

### 6.3 Methods and material for containment and cleaning up

- No special precautions are required for this product
- Collect spillage.

### 6.4 Reference to other sections

- See Section 8, 13
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## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

- Do not handle until all safety precautions have been read and understood.
- Avoid contact with skin and eyes
- Do not eat, drink or smoke when using this product.
- Get medical advice/attention if you feel unwell.
- Wash contaminated clothing before reuse.
- Dispose of contents/container to an authorised waste collection point

### 7.2 Conditions for safe storage, including any incompatibilities

- Store in a well-ventilated place. Keep container tightly closed.
- Keep cool.
- Store at ambient temperature
- Avoid contact with acid
- Keep away from oxidising substances
- Store locked up.

### 7.3 Specific end use(s)

- See Section 1.2
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## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

- No information available

#### DIPROPYLENEGLYCOL METHYLEETHER

DNEL (Industry; dermal, long term systemic effects): 283 mg/kg/day  
DNEL (Industry; inhalational, long term systemic effects): 308 mg/kg  
DNEL (Consumer; dermal, long term systemic effects): 121 mg/kg/day  
DNEL (Consumer; inhalational, long term systemic effects): 37.2 mg/m<sup>3</sup>  
DNEL (Consumer; oral, long term systemic effects): 36 mg/kg/day

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**SECTION 8: Exposure controls/personal protection (....)****trisodium nitrilotriacetate**

- DNEL (Industry; inhalational, long term systemic effects): 3.5 mg/m<sup>3</sup>
- DNEL (Industry; inhalational, short term systemic effects): 5.25 mg/m<sup>3</sup>

**sodium hydroxide; caustic soda**

- DNEL (Consumer; inhalational, long term local effects): 1 mg/m<sup>3</sup>
- DNEL (Industry; dermal, short term local effects): 2 mg/kg/day
- DNEL (Industry; inhalational, short term local effects): 2 mg/m<sup>3</sup>
- DNEL (Industry; inhalational, long term local effects): 1 mg/m<sup>3</sup>

**PHOSPHORIC ACID >25 ...%**

- DNEL (Industry; inhalational, long term local effects): 2.92 mg/m<sup>3</sup>
- DNEL (Industry; inhalational, long term systemic effects): 1 mg/m<sup>3</sup>
- DNEL (Industry; inhalational, short term local effects): 2 mg/m<sup>3</sup>
- DNEL (Consumer; inhalational, long term local effects): 0.73 mg/m<sup>3</sup>

**8.2 Exposure controls****Goggles****Gloves**

- See Section 2

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**SECTION 9: Physical and chemical properties****9.1 Information on basic physical and chemical properties**

- Physical state: Liquid
- Colour: Pink
- Odour: Odourless
- Melting point/Range: Not applicable
- Boiling Point/Range: >100°
- Flammability: Not flammable
- pH: 6 - 7.5
- Solubility in water: Completely soluble in water
- Density: Not applicable
- Flashpoint: >93°C

**9.2 Other information**

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**SECTION 10: Stability and reactivity****10.1 Reactivity**

- This article is considered stable under normal conditions

**10.2 Chemical stability**

- Considered stable under normal conditions

**10.3 Possibility of hazardous reactions**

- No hazardous reactions known if used for its intended purpose

**10.4 Conditions to avoid**

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**SECTION 10: Stability and reactivity (....)**

- Extremes of temperature

**10.5 Incompatible materials**

- Incompatible with acid
- Avoid contact with oxidising substances

**10.6 Hazardous decomposition products**

- May give off noxious and toxic fumes in a fire
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**SECTION 11: Toxicological information****11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008****Acute toxicity**

Not applicable

Estimated LD<sub>50</sub> (oral) (ATE) : 6289.308 mg/kg

Estimated LD<sub>50</sub> (dermal) (ATE) : >4000 mg/kg

Estimated LD<sub>50</sub> (inhalational) (ATE) : 50 mg/l/4hr (gas/vapour)

**DIPROPYLENEGLYCOL METHYLEETHER**

LD<sub>50</sub> (oral, rat): 8740 mg/kg

LD<sub>50</sub> (dermal, rabbit): 9510 mg/kg

LC<sub>50</sub> (inhalation, rat): 3404.47 vapours mg/l

**trisodium nitrilotriacetate**

LD<sub>50</sub> (oral, rat): 1740 mg/kg

**sodium hydroxide; caustic soda**

LD<sub>50</sub> (oral, rabbit): >500 mg/kg

**PHOSPHORIC ACID >25 ...%**

LD<sub>50</sub> (oral, rat): 301.0 mg/kg

LD<sub>50</sub> (dermal, rabbit): 2750 mg/kg

**Skin corrosion/irritation**

May cause irritation

**Serious eye damage/irritation**

Can cause damage to the eyes

**Respiratory or skin sensitisation**

Not applicable

**Germ cell mutagenicity**

No information available

**Carcinogenicity**

No evidence of carcinogenic effects

**Reproductive toxicity**

Not applicable

**STOT (specific target organ toxicity) - single exposure**

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**SECTION 11: Toxicological information (....)**

No information available

**STOT (specific target organ toxicity) - repeated exposure**

No information available

**Aspiration hazard****11.2 Information on other hazards**

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**SECTION 12: Ecological information****12.1 Toxicity**

- No information available

**ALCOHOLS, C9-11 ETHOXYLATED**

EC<sub>50</sub> (daphnia): 13.4 mg/l (48 hr)

LC<sub>50</sub> (fish): 23.7 mg/l (96 hr)

**DIPROPYLENEGLYCOL METHYLEETHER**

EC<sub>50</sub> (daphnia): 1919 mg/l (48 hr)

LC<sub>50</sub> (fish): >1000 mg/l (96 hr)

**DIPROPYLENEGLYCOL METHYLEETHER**

PNEC (Fresh water): 19 mg/l

PNEC (intermittent): 190 mg/l

PNEC (Marine water): 1.9 mg/l

PNEC (Sediment; fresh water): 70.2 mg/kg/day

PNEC (Sediment; marine water): 7.02 mg/kg/day

PNEC (Soil): 2.74 mg/kg/day

PNEC (STP): 4168 mg/l

**tetrasodium ethylene diamine tetraacetate**

LC<sub>50</sub> (fish): >100 mg/l (96 hr)

**trisodium nitrilotriacetate**

PNEC (Fresh water): 0.93 mg/l

PNEC (intermittent): 0.915 mg/l

PNEC (Marine water): 0.093 mg/l

PNEC (Sediment; fresh water): 3.64 mg/kg

PNEC (Sediment; marine water): 0.364 mg/kg

PNEC (Soil): 0.182 mg/kg

**sodium hydroxide; caustic soda**

EC<sub>50</sub> (daphnia): 40-240 mg/l (48 hr)

LC<sub>50</sub> (fish): 33-189 mg/l (96 hr)

**PHOSPHORIC ACID >25 ...%**

EC<sub>50</sub> (daphnia): >100 mg/l (48 hr)

LC<sub>50</sub> (fish): 3-3.25 mg/l (96 hr)



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**SECTION 12: Ecological information (....)****12.2 Persistence and degradability****12.3 Bioaccumulative potential**

- Bioaccumulation is insignificant

**12.4 Mobility in soil**

- Completely soluble in water

**12.5 Results of PBT and vPvB assessment**

- Not a PBT according to REACH Annex XIII

**12.6 Endocrine disrupting properties**

- Not applicable

**12.7 Other adverse effects**

- Not applicable
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**SECTION 13: Disposal considerations****13.1 Waste treatment methods**

- Disposal should be in accordance with local, state or national legislation
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**SECTION 14: Transport information****Dangerous Substance****Environmentally hazardous****14.1 UN number or ID number**

- UN No.: 3082

**14.2 UN proper shipping name**

- Proper Shipping Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.

**14.3 Transport hazard class(es)**

- Hazard Class: 9

**14.4 Packing group**

- Packing Group: III

**14.5 Environmental hazards**

- Marine Pollutant
- Environmentally hazardous

**14.6 Special precautions for user**

- Contains: QUATERNARY AMMONIUM COMPOUNDS, BENZYL-C8-18-ALKYLDIMETHYL, CHLORIDES

**14.7 Maritime transport in bulk according to IMO instruments**

## **SECTION 15: Regulatory information**

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

- Refer to current CLP Regulations

### **15.2 Chemical safety assessment**

- A REACH chemical safety assessment has not been carried out
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## **SECTION 16: Other information**

Text not given with phrase codes where they are used elsewhere in this safety data sheet:-  
H290: May be corrosive to metals. H302: Harmful if swallowed. H314: Causes severe skin burns and eye damage. H315: Causes skin irritation. H317: May cause an allergic skin reaction. H318: Causes serious eye damage. H319: Causes serious eye irritation. H330: Fatal if inhaled. H351: Suspected of causing cancer. H372: Causes damage to organs through prolonged or repeated exposure. H400: Very toxic to aquatic life. H410: Very toxic to aquatic life with long lasting effects.

All information correct at time of printing.

--- end of safety datasheet ---

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