

NIXELA

ACCORDING TO HAZARDOUS PRODUCTS REGULATIONS (HPR)

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

1.1 Product identifier

Product Name NIXELA
Trade Name Nixela
Product code Nix SL/01

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

Identified Use(s) Fertiliser
Uses Advised Against Not known.

1.3 Details of the supplier of the safety data sheet

Manufacturer

Company Identification AECI Plant Health, a division of AECI Ltd.
Address of Manufacturer 14 Field Road,
Lilianton
Boksburg
South-Africa
Postal code 1459
Telephone: +27 11 823 8000
E-mail planthealth@aeciworld.com
Office hours 08:00 - 17:00

Supplier

Company Identification AECI Plant Health, a division of AECI Ltd.
Address of Supplier 14 Field Road,
Lilianton
Boksburg
South-Africa
Postal code 1459
Telephone: +27 11 823 8000
E-mail planthealth@aeciworld.com
Office hours 08:00 - 17:00

1.4 Emergency telephone number

Emergency Phone No. +27 86 100 0366
Contact Spill Tech

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Hazardous Products Regulations Skin Corr. 1A :Causes severe skin burns and eye damage.
Eye Dam. 1 :Causes serious eye damage.
Repr. 1B :May damage fertility or the unborn child.

2.2 Label elements

Product Name NIXELA

Hazard Pictogram(s)



GHS05



GHS08

Signal Word(s) Danger

Hazard Statement(s) H314: Causes severe skin burns and eye damage.
H360: May damage fertility or the unborn child.

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Precautionary Statement(s)

P202: Do not handle until all safety precautions have been read and understood.
P264: Wash hands and exposed skin thoroughly after handling.
P270: Do not eat, drink or smoke when using this product.
P280: Wear protective gloves/protective clothing/eye protection/face protection.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes.
Remove contact lenses, if present and easy to do. Continue rinsing.
P337+P313: If eye irritation persists: Get medical advice/attention.

2.3 Other hazards

This product contains: 69-72-7 (Endocrine disrupting properties)

2.4 Additional Information

For full text of H/P Statements see section 16.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

Not applicable.

3.2 Mixtures

HAZARDOUS INGREDIENT(S)	CAS No.	%W/W	Hazard Statement(s)	Hazard Pictogram(s)
acetic acid ... %	64-19-7	5-10%	Flam. Liq. 3 H226 Skin Corr. 1A H314 Liq. Static	GHS02 GHS05
potassium hydroxide	1310-58-3	5-8%	Acute Tox. 4 H302 Skin Corr. 1A H314	GHS05 GHS07
Calcium dihydroxide	1305-62-0	3-7%		None
Salicylic Acid	69-72-7	<3%	Acute Tox. 4 H302 Eye Dam. 1 H318 Repr. 2 H361 Combustible Dust	GHS05 GHS08 GHS07
Magnesium Oxide	1309-48-4	<3%	Not classified.	None
boric acid	10043-35-3	<2%	Acute Tox. 4 H332 Repr. 1B H360	GHS08 GHS07

For full text of H/P Statements see section 16.

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures

Inhalation	Immediately call a POISON CENTRE/doctor.
Skin Contact	Take off immediately all contaminated clothing. Rinse skin with water. Wash contaminated clothing before reuse. Immediately call a POISON CENTRE/doctor.
Eye Contact	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTRE/doctor.
Ingestion	Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTRE/doctor.

4.2 Most important symptoms and effects, both acute and delayed

Causes burns.

4.3 Indication of any immediate medical attention and special treatment needed

Specific treatment (see Medical Advice on this label). Immediately call a POISON CENTRE/doctor. Treat symptomatically.

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SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media

Suitable Extinguishing media As appropriate for surrounding fire.

Unsuitable extinguishing media None.

5.2 Special hazards arising from the substance or mixture

May decompose in a fire, giving off toxic and irritant vapours.

5.3 Advice for firefighters

Fire fighters should wear complete protective clothing including self-contained breathing apparatus.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Provide adequate ventilation. Ensure full personal protection (including respiratory protection) during removal of spillages.

6.2 Environmental precautions

Spillages or uncontrolled discharges into watercourses must be alerted to the appropriate regulatory body.

6.3 Methods and material for containment and cleaning up

Adsorb spillages onto sand, earth or any suitable adsorbent material. Transfer to a container for disposal.

6.4 Reference to other sections

See Also Section 8, 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wash hands and exposed skin thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection.

7.2 Conditions for safe storage, including any incompatibilities

Store locked up.

Storage temperature

Ambient.

Storage life

Stable under normal conditions.

Incompatible materials

None known.

7.3 Specific end use(s)

Fertiliser

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

8.1.1 Occupational Exposure Limits

Occupational Exposure Limits						
SUBSTANCE.	CAS No.	LTEL (8 hr TWA ppm)	LTEL (8 hr TWA mg/m ³)	STEL (ppm)	STEL (mg/m ³)	Note
Borate, inorganic compounds, (including boric acid)	10043-35-3		2		6	Id
Calcium hydroxide	1305-62-0		5			
Magnesium oxide (as Mg)	1309-48-4		10			Id
Potassium hydroxide	1310-58-3				2	C, RP, EM
Acetic acid	64-19-7	10	25	15	37	

Region

Source

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Canada - English Regulation respecting occupational health and safety, Permissible Exposure Values for Airborne Contaminants, January 2023, Quebec, Canada.

Remark	Notes
Id	inhalable dust
C	CEILING: The designation "C" in the STEV/Ceiling column refers to a concentration never be exceeded during any length of time whatsoever.
RP	A substance which may not be recirculated in accordance with section 108.
EM	A substance to which exposure must be reduced to a minimum in accordance with section 42.

8.2 Exposure controls

8.2.1. Appropriate engineering controls Use with ventilation, local exhaust ventilation or breathing protection. A washing facility/water for eye and skin cleaning purposes should be present.

8.2.2. Personal protection equipment



Eye Protection

Wear eye protection with side protection (EN166).



Skin protection

Wear protective clothing and gloves: Impervious gloves (EN 374).



Respiratory protection

Normally no personal respiratory protection is necessary.



Thermal hazards

None known.

8.2.3. Environmental Exposure Controls Spillages or uncontrolled discharges into watercourses must be alerted to the appropriate regulatory body.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Physical state	Liquid.
Colour	Brown.
Odour	Acidic
Melting point/freezing point	0 °C 32 °F
Boiling point or initial boiling point and boiling range	100 °C 212 °F
Flammability	Not known.
Lower and upper explosion limit	Not applicable
Flash Point	Not classified Not known.
Auto-ignition temperature	Not known.
Decomposition Temperature	Not known.
pH	= 6.5.
Kinematic Viscosity	Not applicable
Solubility	Solubility (Water) : Completely soluble in water. Solubility (Other) : Not known.
Partition coefficient n-octanol/water (log value)	Completely soluble in water.
Vapour pressure	Not known.
Density and/or relative density	Density (g/ml) : 1.27-1.28 g/ml 10.52 lbs./US gal @ 68° F - Relative density : g/ml
Relative vapour density	Not known.

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Particle characteristics Not known.

9.2 Other information

None.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity

None anticipated.

10.2 Chemical Stability

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

None anticipated.

10.5 Incompatible materials

Not known.

10.6 Hazardous decomposition products

No hazardous decomposition products known.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity - Ingestion	Calculated acute toxicity estimate (ATE) Calc ATE - 5296.61
Acute toxicity - Skin Contact	Not classified.
Acute toxicity - Inhalation	Calculated acute toxicity estimate (ATE) Calc ATE - 791.37
Skin corrosion/irritation	Causes severe skin burns and eye damage.
Serious eye damage/irritation	Causes serious eye damage.
Skin sensitization data	Not classified.
Respiratory sensitization data	Not classified.
Germ cell mutagenicity	Not classified.
Carcinogenicity	Not classified.
Reproductive toxicity	May damage fertility or the unborn child.
Lactation	Not classified.
STOT - single exposure	Not classified.
STOT - repeated exposure	Not classified.
Aspiration hazard	Not classified.

11.2 Other information

Endocrine disrupting properties: List II: Substances under evaluation for endocrine disruption under an EU legislation 69-72-7 (Human health) ; List III: Substances considered, by the evaluating National Authority, to have endocrine disrupting properties 69-72-7 (Human health)

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity

Toxicity - Aquatic invertebrates	Low toxicity to invertebrates.
Toxicity - Fish	Low toxicity to fish.
Toxicity - Algae	Low toxicity to algae.
Toxicity - Sediment Compartment	Not classified.
Toxicity - Terrestrial Compartment	Not classified.

12.2 Persistence and degradability

Not known.

12.3 Bioaccumulative potential

Not known.

12.4 Mobility in soil

Not known.

12.5 Other adverse effects

None known.

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SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Dispose of contents in accordance with local, state or national legislation. Send to a licensed recycler, reclaimer or incinerator. Dispose of this material and its container to hazardous or special waste collection point. Dispose at suitable refuse site.

13.2 Additional Information

Disposal should be in accordance with local, state or national legislation.

SECTION 14: TRANSPORT INFORMATION

Not classified as hazardous for transport.

14.1 UN number

Not applicable

14.2 UN proper shipping name

Not applicable

14.3 Transport hazard class(es)

Not applicable

14.4 Packing group

Not applicable

14.5 Environmental hazards

Not classified as a Marine Pollutant.

14.6 Special precautions for user

Not known

14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

Not known

SECTION 15: REGULATORY INFORMATION

This product has been classified in accordance with HPR and the SDS contains all the information required by HPR.

15.1 Canadian Regulations

Domestic Substances List (DSL)	10043-35-3, 69-72-7, 7732-18-5, 1305-62-0, 1309-48-4, 1310-58-3, 64-19-7
Export Control List	Not listed
Priority Substances List (PSL)	Not listed
Toxic Substances List	64-19-7
National Pollutant Release Inventory (NPRI) Substance List	64-19-7

SECTION 16: OTHER INFORMATION

The following sections contain revisions or new statements:

LEGEND

Hazard Pictogram(s)



GHS05



GHS08

GHS02: GHS: Flame

GHS07: GHS: Exclamation mark

Hazard classification

Flam. Liq. 3 : Flammable liquid, Category 3

Acute Tox. 4 : Acute toxicity, Category 4

Skin Corr. 1A : Skin corrosion/irritation, Category 1A

Eye Dam. 1 : Serious eye damage/irritation, Category 1

Acute Tox. 4 : Acute toxicity, Category 4

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Repr. 1B : Reproductive toxicity, Category 1B
Repr. 2 : Reproductive toxicity, Category 2
Combustible Dust : None
Liq. Static : Static Accumulating Flammable Liquids

Hazard Statement(s)

H226: Flammable liquid and vapour.
H302: Harmful if swallowed.
H314: Causes severe skin burns and eye damage.
H318: Causes serious eye damage.
H332: Harmful if inhaled.
H360: May damage fertility or the unborn child.
H361: Suspected of damaging fertility or the unborn child.
May form combustible dust concentrations in air.
Static accumulating flammable liquid can become electrostatically charged even in bonded and grounded equipment. Sparks may ignite liquid and vapor. May cause flash fire or explosion.

Precautionary Statement(s)

P201: Obtain special instructions before use.
P202: Do not handle until all safety precautions have been read and understood.
P260: Do not breathe dust/fume/gas/mist/vapours/spray.
P264: Wash hands and exposed skin thoroughly after handling.
P270: Do not eat, drink or smoke when using this product.
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): Take off immediately all contaminated clothing. Rinse skin with water.
P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P308+P313: IF exposed or concerned: Get medical advice/attention.
P310: Immediately call a POISON CENTRE/doctor.
P321: Specific treatment (see Medical Advice on this label).
P337+P313: If eye irritation persists: Get medical advice/attention.
P363: Wash contaminated clothing before reuse.
P405: Store locked up.
P501: Dispose of contents in accordance with local, state or national legislation.
ATE : Acute Toxicity Estimate
CAS : Chemical Abstracts Service
LTEL : Long term exposure limit
STEL : Short term exposure limit
STOT : Specific Target Organ Toxicity

Acronyms

Key literature references and sources for data used to compile the SDS Disclaimers

Hazardous Products Regulations

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