

Magnum Carbine

Material Safety Data Sheet

Issue: 01 - Oct 2017
Indigrow Ltd Safety data sheet according to Regulation (EC) No. 1907/2006. Page 1 of 8

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

1.1 Product Identifier Magnum Carbine

1.2. Relevant identified uses of the substance or mixture and uses advised against
Relevant uses: Wetting agent/soil conditioner. For professional use only.

1.3. Details of the supplier of the safety data sheet

Company: Indigrow Ltd, The Old Bakery, Hyde End Lane, Brimpton, Berkshire, RG7 4RH. UK.
Phone: +44 (0) 1189 710 995
Email: growth@indigrow.com

1.4. Emergency telephone number +44 (0) 7725 962 366

SECTION 2: Hazards Identification

2.1. Classification of the substance or mixture

CLP Regulation (EC) n° 1272/2008:

Acute Tox. 4	H302
Skin Corr. 1B	H314
Skin Sens. 1B	H317
Eye Dam. 1	H318
Carc. 2	H351
STOT RE 1	H372
Aquatic Acute 1	H400
Aquatic Chronic 1	H410

2.2. Label elements

CLP Regulation (EC) n° 1272/2008:

Danger



Hazard indications: H302: Harmful if swallowed
H314: Causes severe burns and eye damage
H317: May cause an allergic skin reaction
H351: Suspected of causing cancer
H373: May cause damage to organs through prolonged or repeated exposure
H410: Very toxic to aquatic life with long lasting effects

Cautionary advice: P201: Obtain special instructions before use
P202: Do not handle until all safety precautions have been read and understood
P260: Do not breathe fume, mist, vapours
P264: Wash hands, forearms and face thoroughly after handling
P272: Contaminated work clothing should not be allowed out of the workplace
P273: Avoid release to the environment

2.3. Other hazards

Adverse physicochemical, human health and environmental effects:

Harmful if swallowed. Causes severe skin burns and serious eye damage. May cause an allergic skin reaction. Suspected of causing cancer. Causes damage to organs through prolonged or repeated exposure. Very toxic to aquatic life with long lasting effects.

Magnum Carbine

Material Safety Data Sheet

Issue: 01 - Oct 2017
Indigrow Ltd Safety data sheet according to Regulation (EC) No. 1907/2006. Page 2 of 8

SECTION 3: Composition/Information on Ingredients

3.1. Substance

Not applicable.

3.2. Mixture

Name	Identifier	Concentration (%)	Classification according to Regulation (EC) No. 1272/2008 [CLP]
alcohol ethoxylate w'th 6.5meo	(CAS No) 68439-45-2	1 - 10	Acute Tox. 4 (Oral), H302 Eye Dam. 1, H318
D-Glucopyranose, oligomeric, C9-11-alkyl glucosides	(CAS No) 132778-08-6 (EC no) 230-525-2603-654-0	1 - 10	Eye Dam. 1, H318
polyhexamethylene biguanide hydrochloride	(CAS No) 27083-27-8 (EC index no) 616-207-00-X	1 - 10	Carc. 2, H351 Acute Tox. 4 (Oral), H302 STOT RE 1, H372 Eye Dam. 1, H318 Skin Sens. 1B, H317 Aquatic Acute 1, H400 (M=10) Aquatic Chronic 1, H410 (M=10)
quaternary ammonium compounds, benzyl-C8-18-alkyldimethyl, chlorides	(CAS No) 63449-41-2 (EC no) 264-151-6 (EC index no) 612-140-00-5	5 - 20	Acute Tox. 4 (Dermal), H312 Acute Tox. 4 (Oral), H302 Skin Corr. 1B, H314 Aquatic Acute 1, H400

To obtain more information on the risk of the substances consult section 16.

SECTION 4: First-Aid Measures

4.1. Description of first aid measures

First-aid measures general: Call a physician immediately.

First-aid measures after inhalation: Immediately call a Poison Centre/Doctor.

First-aid measures after skin contact:

Take off all contaminated clothing and wash it before reuse. Rinse skin with water/shower. If skin irritation or rash occurs, get medical advice/attention.

First-aid measures after eye contact:

If in eyes, rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing and get medical advice/attention.

First-aid measures after ingestion: If swallowed, rinse mouth, do NOT induce vomiting. Immediately call a Poison Centre/Doctor.

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

Symptoms/injuries: If you feel unwell, seek medical advice.

Symptoms/injuries after inhalation: May cause allergy or asthma symptoms or breathing difficulties if inhaled.

Symptoms/injuries after skin contact:

Burns. May cause an allergic skin reaction.

Symptoms/injuries after eye contact:

Serious damage to eyes.

Symptoms/injuries after ingestion: Burns.

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

Immediately call a Poison Centre/Doctor. If exposed or concerned, get medical advice/attention. Get medical advice/attention if you feel unwell. Treat symptomatically.



Magnum Carbine

Material Safety Data Sheet

Issue: 01 - Oct 2017

Indigrow Ltd Safety data sheet according to Regulation (EC) No. 1907/2006. Page 3 of 8

SECTION 5: Fire-Fighting 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

Explosion hazard: Product is not explosive.
Reactivity in case of fire: May decompose in a fire, giving off toxic and irritant vapours.
Hazardous decomposition products in case of fire: Toxic and irritant vapours.

5.3. Advice for fire-fighters

Precautionary measures fire: Evacuate area. Stop leak if safe to do so. Wear a self-contained breathing apparatus and appropriate personal protective equipment (PPE).
Firefighting instructions: Eliminate all ignition sources if safe to do so. Exercise caution when fighting any chemical fire. Dike fire control water for later disposal.
Protection during firefighting: Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

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

Absorb spillages onto sand, earth or any suitable adsorbent material. Contain spillages with sand, earth or any suitable adsorbent material. Earth may be shovelled to contain spillage and to avoid contamination of sewers and watercourses.

6.4. Reference to other sections

For further information refer to section 13. For further information refer to section 8: "Exposure controls/personal protection".

SECTION 7: Handling and Storage

7.1. Precautions for safe handling

Wash hands and exposed skin thoroughly after handling. Do not eat, drink or smoke when using this product. Wear protective gloves/protective clothing/eye protection/face protection. Avoid breathing dust/fume/gas/mist/vapours/spray. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions: Store in a well-ventilated place. Keep container tightly closed. Store locked up.
Incompatible products: Not known.
Incompatible materials: None known.
Storage area: Store away from heat. Store in a well-ventilated place.

7.3. Specific end use(s)

Except for the instructions already specified it is not necessary to provide any special recommendation regarding the uses of this product.



Magnum Carbine

Material Safety Data Sheet

Issue: 01 - Oct 2017

Indigrow Ltd Safety data sheet according to Regulation (EC) No. 1907/2006. Page 4 of 8

SECTION 8: Exposure Controls/Personal Protection

8.1. Control parameters

Not applicable.

8.2. Exposure controls

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.

Materials for protective clothing: Wear suitable working clothes

Hand protection: Protective gloves

Eye protection: Wear eye protection with side protection

Skin and body protection: Wear suitable protective clothing

Respiratory protection: In case of inadequate ventilation wear a suitable mask with filter type A.

Environmental exposure controls: Avoid release to the environment. Spillages or uncontrolled discharges into watercourses must be alerted to the appropriate regulatory authority.

Other information: Do not eat, drink or smoke when using this product.

SECTION 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Physical state: Liquid

Colour: Colourless to slight yellow hue.

Odour: Characteristic.

pH: 3 - 5

Flammability (solid, gas): Not applicable

Relative density: 1 - 1.05

Solubility: Soluble in water.

Explosive properties: Not applicable.

Oxidising properties: Not classified.

9.2. Other information

No additional information available.

SECTION 10: Stability and Reactivity

10.1. Reactivity

Stable at ambient temperature and under normal conditions of use.

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

Not known.

Magnum Carbine

Material Safety Data Sheet

Issue: 01 - Oct 2017

Indigrow Ltd Safety data sheet according to Regulation (EC) No. 1907/2006. Page 5 of 8

SECTION 11: Toxicological Information

11.1. Information on toxicological effects

Acute toxicity – Ingestion:	Calculation method: Harmful if swallowed Calculated acute toxicity estimate (ATE) Calc ATE – 384.62
Acute toxicity – Skin Contact:	Not classified Calculated acute toxicity estimate (ATE) Calc ATE – 3666.67
Acute toxicity – Inhalation:	Not classified
Skin corrosion/irritation:	Calculation method: Causes severe skin burns and eye damage
Serious eye damage/irritation:	Calculation method: Causes serious eye damage
Skin sensitisation data:	Calculation method: May cause an allergic skin reaction
Respiratory sensitisation data:	Not classified
Germ cell mutagenicity:	Not classified
Carcinogenicity:	Calculation method: Suspected of causing cancer
Reproductive toxicity:	Not classified
Lactation:	Not classified
STOT – single exposure:	Not classified
STOT – repeated exposure:	Calculation method: Causes damage to organs through prolonged or repeated exposure
Aspiration hazard:	Not classified

SECTION 12: Ecological Information

12.1. Toxicity

Aquatic invertebrates:	Low toxicity to invertebrates
Fish:	Low toxicity to fish
Algae:	Low toxicity to algae
Sediment Compartment:	Not classified
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. Results of PBT and vPvB assessment

Not known

12.6. Other adverse effects

Avoid release to the environment

SECTION 13: Disposal Considerations

13.1. Waste treatment methods

Regional legislation (waste):	Disposal must be done according to official regulations.
Waste treatment methods:	This material and its container must be disposed of as hazardous waste.
Waste disposal recommendations:	Dispose in a safe manner in accordance with local/national regulations.



Magnum Carbine

Material Safety Data Sheet

Issue: 01 - Oct 2017
Indigrow Ltd Safety data sheet according to Regulation (EC) No. 1907/2006. Page 6 of 8

SECTION 14: Transport Information

In accordance with ADR / RID / IMDG / IATA

14.1. UN Number

UN Number: UN 1760

14.2. UN proper shipping name

Proper Shipping Name: CORROSIVE LIQUID, N.O.S.
Transport document description: UN 1760 CORROSIVE LIQUID, N.O.S. (Polyhexamethylen-biguanide hydrochloride)

14.3. Transport hazard class(es)

ADR/RID:	Transport hazard class(es) (ADR): 8
	Danger labels (ADR): 8
IMDG:	Transport hazard class(es) (IMDG): 8
	Danger labels (IMDG): 8
IATA:	Transport hazard class(es) (IATA): 8
	Hazard labels (IATA): 8

14.4. Packing group

Packing group:	III
Labels:	8
Special Provisions:	274
Limited Quantities:	5lt
Excepted Quantities:	E1
Mixed Packing Instructions for Packages:	P001, IBC03, LP01, R001
Special Packing Instructions for Packages:	Not applicable
Mixed Packing Instructions for Packages:	MP19

14.5. Environmental hazards

Dangerous for the environment:	Not known
Marine pollutant:	Not known
Other information:	No supplementary information available

14.6. Special precautions for user

Overland transport:	ADR Classification Code:	C9	
	Hazard identification number (Kemler No.):	80	
	ADR Transport Category:	3	
	Tunnel restriction code (ADR):	E	
	Emergency Action Code:	2X	
	APP Advice on Additional Personnel Protection:	Not applicable	
	Transport by sea:	EmS-No. (Fire):	F-A
		EmS-No. (Spillage):	S-F
	Air transport:	Excepted Quantities:	E1
		PCA LQ Packing Instructions:	Y841
PCA LQ Max Net Quantity:		1L	
PCA Packing Instructions:		852	
PCA Max Net Quantity:		5L	
CAO Packing Instructions:		856	
CAO Max Net Quantity:		60L	
Special Provisions:		A3	
Emergency Response Guidebook Code (ERG):	8L		

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Packing Instructions for Portable Tanks:	T7
Special Provisions for Portable Tanks:	TP1, TP28
Tank Code for Tanks:	L4BN
Special Provisions for Tanks:	Not applicable
Vehicle for Tank Carriage:	AT
Special Provisions for Carriage – Packages:	V12
Special Provisions for Carriage – Bulk:	Not applicable
Special Provisions for Carriage – Loading, Unloading and Handling:	Not applicable
Special Provisions for Carriage – Operation:	Not applicable

SECTION 15: Regulatory Information

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

Candidate List of Substances of Very High Concern for Authorisation: Not listed

REACH: Annexe XIV list of substances subject to authorisation: Not listed

REACH: Annexe XVII Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles: Not listed

Community Rolling Action Plan (CoRAP): Not listed

Regulation (EC) No 850/2004 of the European Parliament and the Council on persistent organic pollutants: Not listed

Regulation (EC) No 2037/2000 on substances that deplete the ozone layer: Not listed

Regulation (EU) No 649/2012 of the European Parliament and of the Council concerning the export and import of hazardous chemicals: Not listed

15.2. Chemical Safety Assessment

The supplier has not carried out evaluation of chemical safety.

16. OTHER INFORMATION

The information contained herein relates only to the designated formulation and may not be valid if product is used in combination with other substances. The information is to the best of our knowledge, belief and understanding, true, accurate and reliable at the date of issue. However, the information may neither be exhaustive or complete, and no warranty, guarantee or liability concerning the accuracy or completeness of the information is expressed or implied. It is the user's risk and sole responsibility to verify and satisfy their own criteria and duty of care concerning the validity of the information in relation to their application of the product.

Full text of Hazard and Precautionary statements:

H302:	Harmful if swallowed
H314:	Causes severe skin burns and eye damage
H317:	May cause an allergic skin reaction
H318:	Causes serious eye damage
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
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
P261:	Avoid breathing 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
P272:	Contaminated work clothing should not be allowed out of the workplace
P273:	Avoid release to the environment
P280:	Wear protective gloves/protective clothing/eye protection/face protection



Magnum Carbine

Material Safety Data Sheet

Issue: 01 - Oct 2017

Indigrow Ltd Safety data sheet according to Regulation (EC) No. 1907/2006. Page 8 of 8

P281:	Use personal protective equipment as required
P301 & P312:	IF SWALLOWED: Call a POISON CENTRE/doctor if you feel unwell
P301 & P330 & P331:	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting
P302 & P352:	IF ON SKIN: Wash with plenty of water
P303 & P361 & P353:	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower
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
P314:	Get medical advice/attention if you feel unwell
P321:	Specific treatment (see Medical Advice on this label)
P330:	Rinse mouth
P333 & P313:	If skin irritation or rash occurs: Get medical advice/attention
P362 & P364:	Take off contaminated clothing and wash it before reuse
P363:	Wash contaminated clothing before reuse
P391:	Collect spillage
P405:	Store locked up
P501:	Dispose of contents in accordance with local, state or national legislation

ISSUE 1 10/17 GCL
