

MATERIAL SAFETY DATA SHEET (MSDS)

REVISION: 11.19

Carbon Complex 10:1:10 Super Grade

1 IDENTIFICATION OF THE SUBSTANCE

Product Identification : Dark Grey - Black Granule
Use : Agriculture
UN No. : Not registered

Manufactured by : NANTURF
NANTURF Warehouse
Mossel Bay
(044) 690 4428

Poison Centre : GRIFFON POISON INFORMATION CENTRE
(24 hour Poisoning Emergency Helpline)
082 446 8946

2 COMPOSITION / INFORMATION ON INGREDIENTS

COMPOSITION :	Nitrogen (N)	100g/kg
	Phosphorus (P)	10g/kg
	Potassium (K)	100g/kg
	Sulphur (S)	106g/kg

Specific Material Information :

3 HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

- » May cause mild eye and skin irritation
- » Mildly harmful if swallowed

POTENTIAL HEALTH EFFECTS

Inhalation :

Slightly harmful in case of inhalation (lung sensitizer)

Ingestion :

Mildly harmful if swallowed

Skin Contact :

Causes mild skin irritation. Not significantly absorbed through the intact skin

Eye Contact :

Causes mild irritation to the eyes

Chronic Exposure :

No information found.

Aggravatio of Pre-existing Conditions

No information found.

4 FIRST AID MEASURES

Inhalation :

Remove to fresh air. If not breathing give artificial respiration. Keep person at rest and warm. Treat symptomatically and supportively as and when required. Obtain medical advice if necessary.

Ingestion :

Have victim rinse mouth thoroughly with water. Give water to dilute the material if victim is alert and not convulsing. Do NOT induce vomiting. If spontaneous vomiting occurs, have victim lean forward with head down to avoid breathing in of vomit, rinse mouth and administer more water. Never give anything by mouth to an unconscious person. Seek medical advice if necessary.

Skin Contact :

Remove contaminated clothing. Wash skin with soap or mild detergent and water for at least 15 minutes. Get medical attention if irritation develops or persists. Wash clothing before re-use.

Eye Contact :

Immediately flush eyes with lukewarm water or saline solution for at least 15 minutes, lifting lower and upper eyelids occasionally. Check for and remove any contact lenses after 5 minutes of flushing. Get medical attention if necessary.

5 FIRE FIGHTING MEASURES

Fire :

Not considered to be a fire hazard. Some could burn, but none ignite readily. Containers could explode when heated.

Fire Extinguishing Media :

Extinguish small fires with carbon dioxide, dry powder or alcohol-resistant foam. Water spray or fog can be used for larger fires or cooling of unaffected stock.

Special information :

In the event of a fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full-face piece operated in the pressure demand or other positive pressure mode. Fire may produce irritating or poisonous vapours, mists or other products of combustion.

6 ACCIDENTAL RELEASE MEASURES

Ventilate area of leak or spill. Wear appropriate personal protective equipment as specified in Section 8.

Small Spills : Absorb with sand or other non-combustible absorbent material and put in a suitable container for reclamation or disposal.

Large Spills : Dyke far ahead of liquid spills for later disposal. Prevent entry of the substance into waterways, sewers, basements or confined areas.

7 HANDLING AND STORAGE

Keep in tightly closed container in a shaded, well-ventilated area, away from heat, sparks and other sources of ignition. Protect against physical damage. Observe all warnings and precautions listed for the product.

8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Ventilation system :

In general, dilution ventilation is a satisfactory health hazard control for this substance. However, if conditions of use create discomfort to the worker, a local exhaust system should be considered.

Skin Protection :

Wear suitable personal protective equipment including overalls, rubber gloves and boots.

Eye Protection :

Use chemical safety goggles and/or full face shield where splashing is possible. Maintain eye wash fountain and quick drench facilities in work area.

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance :	Dark Grey - Black Granule
Odour :	Pungent Odour
Solubility :	Insoluble in Water
Density :	80 - 100 SGN
pH :	6.5 - 8.5
Boiling Point :	> 100°C

10 STABILITY AND REACTIVITY

Stability	Stable under ordinary conditions of use and storage
Hazardous Polymerisation :	Will not occur.
Conditions to avoid :	No information found.
Incompatibilities :	Carbon Complex 10:1:10 Super Grade is compatible with the majority of agricultural remedies. It is however to do a miscibility test prior to mixing with other chemicals. Do not mix physically, mix concentrate directly with other herbicides or pesticides concentrates : always dilute first. Do not mix Carbon Complex 10:1:10 Super Grade with oxidizing materials.
Thermal Decomposition :	Carbon Dioxide, Carbon Monoxide, Ammonia and water may form when heated to decomposition.

11 TOXICOLOGY INFORMATION

No information found.

12 ECOLOGICAL INFORMATION

Environmental Fate :	No information Found
Environmental Toxicity :	No information Found

This section is subject to further developments.

13 DISPOSAL CONSIDERATIONS

Contaminated absorbents, surplus product (in diluted form), etc., should be buried in approved landfill. Comply with any local legislation applying to waste disposal. Processing, use or contamination of this product may change the waste management options. Dispose of container and unused contents in accordance with local requirements.

14 TRANSPORT INFORMATION

UN Number : Not regulated.

15 REGULATORY INFORMATION

EC Classification : No Information Found.

Risk-Phrases : R36/37/38 - Irritation to eyes, respiratory system and skin.

Safety-Phrases : S2 - Keep out of reach of Children.
S24/25 - Avoid contact with skin and eyes.
S36/37/39 - Wear suitable protective clothing, gloves and eye/face protection

National Legislation : National Road Traffic Act, 1996 (Act of 1996)
Fire Brigade Service Act, 1987 (Act of 1987)
Occupational Health and Safety Act, 1993 (Act 85 of 1993)

16 OTHER INFORMATION

All information and instructions provided in this Material Safety Data Sheet (MSDS) are based on the current state of scientific and technical knowledge at the date indicated on the present MSDS are presented in good faith and believed to be correct. This information applies to the product as such. In case of new formulations or mixes, it is necessary to ascertain that a new danger will not appear.

It is the responsibility of persons in receipt of this MSDS to ensure that the information contained herein is properly read and understood by all people who may use, handle, dispose or in any way come in contact with this product. If the recipient subsequently produces formulation(s) containing this product, it is the recipient's sole responsibility to ensure the transfer of all relevant information from this MSDS to their own MSDS.

The information contained herein is provided in good faith but makes no representation as to its comprehensiveness or accuracy. A properly trained person using this product intends this document only as a guide to the appropriate handling of the material. Individuals receiving the information must exercise their independent judgement in determining its appropriateness for a particular purpose.