

SAFETY DATA SHEET
SEAMAC SURGE

SDS # : NP-0190-A
Revision date: 2018-07-23
Format: NA
Version 1.01



1. PRODUCT AND COMPANY IDENTIFICATION

Product Identifier

Product Name SEAMAC SURGE

Other means of identification

Product Code(s) NP-0190-A

Recommended use of the chemical and restrictions on use

Recommended Use: Fertilizer product to help improve plant nutrition and vigor

Restrictions on Use: Use as recommended by the label.

Supplier Address

Manufacturer Address FMC Agro Limited
Rectors Lane
Pentre
Flintshire
CH5 2DH
United Kingdom
Tel: + 44 1244 537370
E-mail: fmc.agro.uk@fmc.com

Emergency telephone number +44(0)1244 537370 (office hours only)

2. HAZARDS IDENTIFICATION

Classification

OSHA Regulatory Status

This material is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

GHS Label elements, including precautionary statements

EMERGENCY OVERVIEW

Not classified

Hazard Statements

None

Physical Hazards

None

Hazards not otherwise classified (HNOc)

No hazards not otherwise classified were identified.

Other Information

No information available.

3. COMPOSITION/INFORMATION ON INGREDIENTS

This material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

4. FIRST AID MEASURES

Eye Contact	Flush eyes with water for at least 15 minutes. Get medical attention if eye irritation develops or persists.
Skin Contact	Wash off immediately with soap and plenty of water. If symptoms persist, call a physician.
Inhalation	Remove person to fresh air. If signs/symptoms continue, get medical attention. Remove person from exposure ensuring one's own safety while doing so.
Ingestion	Clean mouth with water. Do not induce vomiting or give anything by mouth to an unconscious person. Consult a physician.
Most important symptoms and effects, both acute and delayed	Skin contact: May see mild irritation at the site of contact. Eye contact: Possible irritation and redness. Ingestion: Possible irritation of the throat. Inhalation: May experience irritation of the throat with a feeling of tightness in the chest. Delayed/Immediate effects: Immediate effects can be expected after short-term exposure.
Indication of immediate medical attention and special treatment needed, if necessary	Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Using spraywater to cool the containers.
Specific Hazards Arising from the Chemical	Toxic fumes may be released in fire situations.
Explosion data	
Sensitivity to Mechanical Impact	No information available.
Sensitivity to Static Discharge	No information available.
Protective equipment and precautions for firefighters	As in any fire, wear self-contained breathing apparatus and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions	For personal protection see section 8. Stop leak if you can do it without risk.
Other	Wear personal protective equipment.
Environmental Precautions	Do not discharge into drains or rivers. Contain the spillage using bunding. Accidental

release into water courses must be alerted to the appropriate regulatory body.

Methods for Containment

Prevent further leakage or spillage if safe to do so.

Methods for cleaning up

Small spills can be washed to drain with copious amounts of water. For large spills (>10L), absorb spill onto sand, sawdust or absorbent clay. Sweep up and transfer to closable, labelled containers for disposal. Wash the spillage site with water once the spillage is removed. Product will stain concrete. Refer to section 13 of SDS for suitable method of disposal.

7. HANDLING AND STORAGE

Handling

Ensure adequate ventilation.

Storage

Protect from frost, heat and sunlight. Keep containers tightly closed in a dry, cool and well-ventilated place. Keep out of the reach of children. Keep away from food, drink and animal feedingstuffs. Store above 5°C.

Incompatible products

Acids, Oxidizing agents

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies

Appropriate engineering controls**Engineering measures**

Ensure adequate ventilation.

Individual protection measures, such as personal protective equipment**Eye/Face Protection**

Safety glasses. Eye wash bottle with pure water.

Skin and Body Protection

Wear suitable protective clothing. Protective shoes or boots.

Hand Protection

Protective gloves, Nitrile rubber, Rubber gloves.

Respiratory Protection

No special protective equipment required.

Hygiene measures

Clean water should be available for washing in case of eye or skin contamination. Remove and wash contaminated clothing before re-use. Wash skin prior to eating, drinking, chewing gum or using tobacco. Shower or bathe at the end of working. Launder work clothing separately from regular household laundry.

General information

If the product is used in mixtures, it is recommended that you contact the appropriate protective equipment suppliers.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Appearance	Black Liquid
Physical State	Liquid
Color	Black
Odor	Marine
Odor threshold	No information available
pH	7.0 - 10.0
Melting point/freezing point	Not applicable
Boiling Point/Range	No information available
Flash point	Not applicable
Evaporation Rate	No information available

Flammability (solid, gas)	No information available
Flammability Limit in Air	
Upper flammability limit:	No information available
Lower flammability limit:	No information available
Vapor pressure	No information available
Vapor density	No information available
Relative density	1.13 - 1.17
Specific gravity	1.14 - 1.16
Water solubility	Soluble in water
Solubility in other solvents	No information available
Partition coefficient	No information available
Autoignition temperature	550 °C
Decomposition temperature	No information available
Viscosity, kinematic	No information available
Viscosity, dynamic	<300 cps
Explosive properties	No information available
Oxidizing properties	No information available
Molecular weight	No information available
Bulk density	No information available

10. STABILITY AND REACTIVITY

Reactivity	Stable under recommended storage conditions
Chemical Stability	Stable under normal conditions.
Possibility of Hazardous Reactions	None under normal processing. Decomposition can occur on exposure to heat or moisture.
Hazardous polymerization	Hazardous polymerization does not occur.
Conditions to avoid	Heat, Extremes of temperature and direct sunlight Do not freeze.
Incompatible materials	Acids, Oxidizing agents.
Hazardous Decomposition Products	May emit toxic fumes under fire conditions.

11. TOXICOLOGICAL INFORMATION

Product does not present an acute toxicity hazard based on known information

Product Information

Information on toxicological effects

Symptoms	Skin contact: May see mild irritation at the site of contact.
	Eye contact: Possible irritation and redness.
	Ingestion: Possible irritation of the throat.
	Inhalation: May experience irritation of the throat with a feeling of tightness in the chest.
	Delayed/Immediate effects: Immediate effects can be expected after short-term exposure.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Mutagenicity	No information available
Carcinogenicity	Not recognized as carcinogenic by Research Agencies (IARC, NTP, OSHA, ACGIH)
Reproductive toxicity	No information available.
STOT - single exposure	No information available.
STOT - repeated exposure	No information available.
Aspiration hazard	No information available.

12. ECOLOGICAL INFORMATION**Ecotoxicity**

No significant environmental effects are expected.

Persistence and degradability	Readily biodegradable.
Bioaccumulation	The product shows minimal environmental impact. .
Mobility	Soluble in water.
Other Adverse Effects	Negligible.

13. DISPOSAL CONSIDERATIONS

Waste disposal methods	It must undergo special treatment, e.g. at suitable disposal site, to comply with local regulations.
Contaminated Packaging	Clean container with water. Dispose of in accordance with local regulations.

14. TRANSPORT INFORMATION

NOTE	NOT CLASSIFIED AS DANGEROUS IN THE MEANING OF TRANSPORT REGULATIONS.
<u>DOT</u>	NOT REGULATED
<u>TDG</u>	NOT REGULATED
<u>ICAO/IATA</u>	NOT REGULATED
<u>IMDG/IMO</u>	NOT REGULATED

15. REGULATORY INFORMATION**U.S. Federal Regulations****SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

SARA 311/312 Hazard Categories

Acute health hazard	No
Chronic health hazard	No
Fire hazard	No
Sudden release of pressure hazard	No
Reactive Hazard	No

Clean Water Act

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

US State Regulations**California Proposition 65**

This product does not contain any Proposition 65 chemicals.

U.S. State Right-to-Know Regulations

This product does not contain any substances regulated by state right-to-know regulations

International Inventories**CANADA****WHMIS Statement**

This product has been classified in accordance with the Hazardous Products Regulations (HPR) and the SDS contains all the information required by the HPR.

WHMIS Hazard Class Non-controlled

16. OTHER INFORMATION

NFPA	Health Hazards 0	Flammability 0	Instability 0	Special Hazards -
HMIS	Health Hazards 0	Flammability 0	Physical hazard 0	Personal Protection X

NFPA/HMIS Ratings Legend Severe = 4; Serious = 3; Moderate = 2; Slight = 1; Minimal = 0

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Reason for revision: Format Change

Disclaimer

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.

Prepared By:

FMC Corporation

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End of Safety Data Sheet