



NeoVita™ 43

Safety Data Sheet

Revision Date: 12-Dec-2022

Revision Number: 3

1. Identification

Product Name:

NeoVita 43

Product Code:

010648

Use of the Substance / Preparation:

Soil Amendment.

Supplier:

Archer Daniels Midland Company
4666 Faries Parkway
Decatur, IL 62526, USA
Telephone Number: (+1) 217-424-5200

Emergency response telephone number:

Chemtrec 1-800-424-9300 (CCN 1635)

2. Hazard(s) identification

Emergency Overview

The product contains no substances which at their given concentration, are considered to be hazardous to health.

Appearance
Clear, Light yellow

Physical State
Liquid

Odor
Odorless

3. Composition/information on ingredients

Description

This product is not known to contain components at levels which present a health hazard according to the definitions set forth by the OSHA Hazard Communication Standard (29 CFR 1910.1200, Appendix A) or the criteria contained in the Hazardous Products Regulations (SOR/2015-17), also known as WHMIS 2015.

Components which are not considered to be health hazards under paragraph (d) of 29 CFR §1910.1200 (HCS 2012) or SOR/2015-17 (WHMIS 2015) are not required to be disclosed.

4. First-aid measures

Description of first aid measures

Eye Contact Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first five minutes, then continue rinsing eye.

Skin Contact Wash off with warm water and soap. Remove and wash contaminated clothing before reuse.

Inhalation Move to fresh air.

Ingestion Clean mouth with water and afterwards drink plenty of water. Drink 1 or 2 glasses of water. If ingested in large amounts, seek medical attention. Do not induce vomiting without medical advice.

General Advice When symptoms persist or in all cases of doubt seek medical advice.

Most important symptoms and affects, both acute and delayed

Eyes Contact with eyes may cause mild irritation. Avoid contact with eyes.

Skin Prolonged or excessive contact with skin may result in mild irritation, however, significant health injuries are not expected under normal use. Avoid contact with skin.

Inhalation Excessive inhalation of mist may result in respiratory irritation.

Ingestion Health injuries are not known or expected under normal use. Not for human consumption.

Indication of any immediate medical attention and special treatment needed

Notes to Physician Special forms of treatment and immediate medical attention are not specified. Treat Symptomatically.

5. Fire-fighting measures

Flammable Properties

The product is not readily ignited.

Extinguishing media

Suitable Extinguishing Media Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable Extinguishing Media None known.

Special hazards arising from the substance or mixture

Hazardous Combustion Products No information available.

Specific Hazards Arising from the Chemical None known.

Sensitivity to mechanical impact No information available.

Sensitivity to static discharge No information available.

Advice for fire-fighters

Protective Equipment and Precautions for Firefighters As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

NFPA

Health 0

Flammability 0

Stability and Reactivity 0

Physical hazard None known



6. Accidental release measures

Personal Precautions, Protective Equipment, and Emergency Procedures

Ensure adequate ventilation. Use appropriate personal protective equipment. Avoid spills, as surfaces can become very slippery.

Environmental Precautions

Prevent further leakage or spillage if safe to do so.

Methods and Materials for Containment and Cleaning Up

Soak up with inert absorbent material. Keep in suitable, closed containers for disposal.

7. Handling and storage

Handling

Handle in accordance with good industrial hygiene and safety practice. Avoid breathing vapors or mists. Avoid contact with skin, eyes and clothing. Wash thoroughly with soap and water after handling and before eating, drinking, or using tobacco.

Storage

Store in a cool, dry, hygienic situation. Keep in properly labelled containers. To maintain product quality, do not store in heat or direct sunlight. Keep away from food, drink, and animal feedstuffs.

8. Exposure controls/Personal protection

Exposure Limits

This product is not known to contain significant levels of hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

Biological Limit Values

No biological limit values have been listed for the component(s) of this product.

Appropriate Engineering Controls

Ensure adequate ventilation, especially in confined areas.

General Hygiene Considerations

Handle in accordance with good industrial hygiene and safety practice. Keep away from food, drink and animal feeding stuffs. Avoid contact with skin, eyes and clothing.

Personal Protective Equipment

Eye/face Protection.

If exposed to airborne mist, or if splashing is possible, appropriate safety glasses with side-shields or safety goggles are recommended.

Skin and Body Protection

Long sleeved clothing. Protective gloves if desired. Special protective equipment is generally not required. Also take into consideration the specific local conditions under which the product is used.

Respiratory Protection

In case of mist, spray or aerosol exposure wear suitable personal respiratory protection. Appropriate respiratory protection should be selected by a qualified person and should be based upon a risk assessment of the work activities and exposure levels.

9. Physical and chemical properties

Appearance	Clear, Light yellow
Physical State	Liquid
Odor	Odorless
Odor Threshold	No information available
pH	No extremes of pH
Flash Point	> 113.3 °C / > 236 °F
Autoignition Temperature	No information available
Boiling point	104 °C / 219.2 °F
Melting/Freezing Point	-9.2 °C / 15.4 °F
Decomposition temperature	No information available
Oxidizing Properties	No information available
Water Solubility	No information available
Evaporation Rate	No information available
Vapor Pressure	No information available
Vapor Density	No information available
Specific Gravity / Relative Density	1.19
Viscosity (dynamic)	10 cP
Partition Coefficient (n-octanol/water)	No information available

10. Stability and reactivity

Stability Stable under normal conditions.

Possibility of Hazardous Reactions None under normal processing.

Conditions to Avoid No information available.

Incompatible Materials No materials to be especially mentioned.

Hazardous Decomposition Products No information available.

11. Toxicological information

Information on toxicological effects

Acute toxicity	Based on available data, no evidence of acute toxicity. (Classification is based on available literature data for the significant mixture components).			
Chemical Name	Weight %	LD50 Oral	LD50 Dermal	LC50 Inhalation
Water	30 - 60%	90mL/Kg Rat		
Sodium benzoate	0.1 - 1%	4070 mg/kg Rat		
Potassium sorbate	0.1 - 1%	3200 mg/kg Rat		
Skin corrosion/irritation	Based on available data, not, or only slightly irritating. (Classification is based on available literature data for the significant mixture components).			
Serious eye damage/eye irritation	Based on available data, no evidence of serious eye damage / irritation. (Classification is based on available literature data for the significant mixture components).			
Respiratory or skin sensitisation	Not expected to be a skin or respiratory sensitizer. (Classification is based on available literature data for the significant mixture components).			
Germ cell mutagenicity	Not classified. Not expected to be mutagenic. None of the significant input ingredients of this mixture have been identified as being mutagenic.			
Carcinogenicity	Based on available data, no evidence of carcinogenicity. No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen.			
Reproductive toxicity	Not classified. Not expected to be toxic to reproduction. None of the significant input ingredients of this mixture have been identified as being toxic to reproduction.			
STOT - single exposure	Not classified. No evidence of toxicity. None of the significant input ingredients of this mixture have been identified as a STOT SE hazard.			
STOT - repeated exposure	Not classified. No evidence of toxicity. None of the significant input ingredients of this mixture have been identified as a STOT RE hazard.			
Aspiration hazard	Based on available data, no known aspiration hazard. (Classification is based on available literature data for the significant mixture components).			

Potential health effects

Eyes

Contact with eyes may cause mild irritation. Avoid contact with eyes.

Skin

Prolonged or excessive contact with skin may result in mild irritation, however, significant health injuries are not expected under normal use. Avoid contact with skin.

Inhalation

Excessive inhalation of mist may result in respiratory irritation.

Ingestion

Health injuries are not known or expected under normal use. Not for human consumption.

12. Ecological information

Ecotoxicity

Not classified for aquatic toxicity. This product has not been evaluated for eco-toxicological effects.

Persistence/Degradability

No information available

Mobility

No information available

PBT and vPvB assessment

No information available.

Other adverse effects

Nothing specific known.

13. Disposal considerations

Whenever possible, as rules and regulations allow, please recycle or manage materials to minimize waste.

Waste Disposal Methods Dispose of in compliance with the laws and regulations pertaining to this product in your jurisdiction.

Contaminated Packaging Empty containers should be taken for local recycling, recovery or waste disposal.

14. Transport information

Domestic transport regulations (USA)

DOT Not regulated

Domestic transport regulations (Canada)

TDG Not regulated

Domestic transport regulations (Mexico)

MEX Not regulated

International transport regulations

ICAO Not regulated

IATA Not regulated

IMDG/IMO Not regulated

15. Regulatory information

International Inventories

The components of this product are reported in (or exempt from) the following inventories: U.S.A. (TSCA).

Chemical Name	TSCA	DSL	NDSL	ICL	EINECS	ELINCS	AICS
Water	Yes ACTIVE	Yes	No	No	Yes 231-791-2	No	Yes
Sodium benzoate	Yes ACTIVE	Yes	No	No	Yes 208-534-8	No	Yes
Potassium sorbate	Yes ACTIVE	Yes	No	No	Yes 246-376-1	No	Yes

Chemical Name	ENCS ISHL	CHINA	PICCS	KECL	Taiwan	Turkey	NZIoC
Water	Yes -	Yes	Yes	Yes KE-35400	Yes	No	Yes
Sodium benzoate	Yes (3)-1272,(3)-1293 (3)-1293,(3)-1272,(3)-1076	Yes	Yes	Yes Annex 1 (KE-02711)	Yes	No	Yes
Potassium sorbate	Yes (2)-2575,(2)-1076	Yes	Yes	Yes Annex 1 (KE-18528)	Yes	Yes 246-376-1	Yes

USA

Federal Regulations

Ozone Depleting Substances:

No Class I or Class II material is known to be used in the manufacture of, or contained in, this product.

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product is not known to contain any chemicals which are subject to the reporting requirements of the Act or regulations contained in 40 CFR 372.

CERCLA/SARA 103-302

Sections 103-302 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product is not known to contain any chemicals which are subject to the reporting requirements of the Act or regulations contained in 40 CFR 103-302.

SARA 311/312 Hazardous Categorization

Refer to the OSHA hazard classification(s) provided in section 2 of this SDS.

State Regulations**State Right-to-Know**

This product may contain one or more ingredient(s) which are subject to state right to know laws.

Chemical Name	Weight %	Massachusetts	Minnesota	New Jersey	Pennsylvania
Water	30 - 60%	No	No	No	Yes
Sodium benzoate	0.1 - 1%	No	No	No	No
Potassium sorbate	0.1 - 1%	No	No	No	No

Canada**(NPRI) Canadian National Pollutant Release Inventory**

No known component is listed on NPRI at or above 1% of the product formulation.

Chemical Name	Weight %	NPRI
Sodium benzoate	0.1 - 1%	Part 4 Substance as set out in Section 65 of the List of Toxic Substances in Schedule 1 of the Canadian Environmental Protection Act, 1999

16. Other information

Prepared By: ADM - Product Regulatory Affairs
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Revision Number: 3
Reason for revision: Composition / information on ingredients. This version replaces all previous versions.

Abbreviations and acronyms

A1 - Known Human Carcinogen
A2 - Suspected Human Carcinogen
A3 - Animal Carcinogen
ACGIH TLV - American Conference of Governmental Industrial Hygienists Threshold Limit Values
CAS - Chemical Abstract Service
Ceiling - Ceiling Limit Value: Concentrations that should never be exceeded at any given time (instantaneous)
Delisted - Substances Delisted from Report on Carcinogens
DNEL - Derived No Effect Level
DOT - U.S. Department of Transportation
GHS - Globally Harmonized System of Classification and Labelling of Chemicals
Group 1 - Carcinogenic to Humans
Group 2A - Probably Carcinogenic to Humans
Group 2B - Possibly Carcinogenic to Humans
IARC - International Agency for Research on Cancer
IDLH - Immediately Dangerous to Life or Health
Known - Known Carcinogen

LC50 - Lethal concentration that produces fatalities in 50% of a given test population
LD50 - Median lethal dose of a given test population
NFPA - National Fire Protection Association
NIOSH - National Institute of Occupational Safety and Health
NOAEL - No Observed Adverse Effect Level
NTP - National Toxicology Program
OECD - Organisation for Economic Co-operation and Development
OSHA - Occupational Safety & Health Administration
OSHA PEL - Occupational Safety and Health Administration Permissible Exposure Limits
PNEC - Predicted No-Effect Concentration
Present - Carcinogen or potential carcinogen to be identified under OSHA's Hazard Communication Standard
Reasonably Anticipated - Reasonably Anticipated to be a Human Carcinogen
Skin notation - Potential for cutaneous absorption
STEL - Short Term Exposure Limit: Concentrations that should not be exceeded except for short periods of time (usually 15-minutes)
STOT - Specific Target Organ Toxicity
STV - Short Term Value (same as STEL)
TSCA - Toxic Substances Control Act, Section 8(b) Inventory (USA)
TWA - Time Weighted Average: Average concentration that should not be exceeded during a work day (usually 8-hours)
Under Consideration - Under Consideration by the National Toxicology Program

The information provided on this SDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

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