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29 CFR 1910.1200 (OSHA HazCom 2012)

## **SECTION 1. PRODUCT AND COMPANY IDENTIFICATION**

**Product identifier** 

Trade name : Vincience / PhytoRNx Baobab™

biofunctional

™ Trademark, Ashland or its subsidiaries, registered in

various countries

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

Use of the : biofunctional

substance/mixture

Details of the supplier of the safety data	Emergency telephone number
sheet	1-800-ASHLAND (1-800-274-5263)
Ashland	
P.O. Box 2219	Regulatory Information Number
Columbus, OH 43216	1-800-325-3751
United States of America	
	Product Information
	614-790-3333
EHS Customer Requests@ashland.com	
·	

#### **SECTION 2. HAZARDS IDENTIFICATION**

### **GHS Classification**

This material is not considered hazardous under the OSHA Hazard Communication Standard (HazCom 2012).

#### **GHS** label elements

This material is not considered hazardous under the OSHA Hazard Communication Standard (HazCom 2012).

Precautionary Statements : Prevention:

Wear respiratory protection.

#### Other hazards

None known.

#### **SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS**

#### **Hazardous components**

Chemical name	CAS-No.	Classification	Concentration (%)
GLYCERIN		Not a hazardous substance or mixture.	35.00
2-PHENOXYETHANOL		Acute Tox. 4; H302 Eye Irrit. 2A; H319	1.55

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## SECTION 4. FIRST AID MEASURES

General advice : No hazards which require special first aid measures.

If inhaled : If breathed in, move person into fresh air.

If unconscious place in recovery position and seek medical

advice.

If symptoms persist, call a physician.

In case of skin contact : First aid is not normally required. However, it is

recommended that exposed areas be cleaned by washing

with soap and water.

In case of eye contact : Remove contact lenses.

Protect unharmed eye.

If swallowed : Do not give milk or alcoholic beverages.

Never give anything by mouth to an unconscious person.

If symptoms persist, call a physician.

Most important symptoms and effects, both acute and

delayed

Signs and symptoms of exposure to this material through breathing, swallowing, and/or passage of the material through

the skin may include:

stomach or intestinal upset (nausea, vomiting, diarrhea)

irritation (nose, throat, airways) pain in the abdomen and lower back

acute kidney failure (sudden slowing or stopping of urine

production)

Notes to physician : No hazards which require special first aid measures.

#### **SECTION 5. FIREFIGHTING MEASURES**

Suitable extinguishing media : Use extinguishing measures that are appropriate to local

circumstances and the surrounding environment.

Water spray Foam

Carbon dioxide (CO2)

Dry chemical

Specific hazards during

firefighting

: Do not allow run-off from fire fighting to enter drains or water

courses.

Hazardous combustion

products

: Aldehydes

carbon dioxide and carbon monoxide

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nitrogen oxides (NOx)

Specific extinguishing

methods

:

Product is compatible with standard fire-fighting agents.

Further information : Standard procedure for chemical fires.

Special protective equipment

for firefighters

: In the event of fire, wear self-contained breathing apparatus.

#### **SECTION 6. ACCIDENTAL RELEASE MEASURES**

Personal precautions, protective equipment and emergency procedures : Persons not wearing protective equipment should be excluded

from area of spill until clean-up has been completed.

Environmental precautions : Prevent further leakage or spillage if safe to do so.

Methods and materials for containment and cleaning up

: Keep in suitable, closed containers for disposal.

Other information : Comply with all applicable federal, state, and local regulations.

## **SECTION 7. HANDLING AND STORAGE**

Advice on safe handling : Smoking, eating and drinking should be prohibited in the

application area.

For personal protection see section 8.

Materials to avoid : No materials to be especially mentioned.

## **SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

Components with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
GLYCERIN	56-81-5			NIOSH/GUID E
		PEL	15 mg/m3 Total dust.	OSHA_TRA NS
		PEL	5 mg/m3 Respirable fraction.	OSHA_TRA NS

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		OSHA_TRA NS
		OSHA_TRA NS

Hazardous components without workplace control parameters

Engineering measures : General room ventilation should be adequate for normal

conditions of use. However, if unusual operating conditions exist, provide sufficient mechanical (general and/or local exhaust) ventilation to maintain exposure below exposure guidelines (if applicable) or below levels that cause known,

suspected or apparent adverse effects.

Personal protective equipment

Respiratory protection : No personal respiratory protective equipment normally

required.

Eye protection : Not required under normal conditions of use. Wear splash-

proof safety goggles if material could be misted or splashed

into eyes.

Skin and body protection : Wear as appropriate:

Safety shoes

Wear resistant gloves (consult your safety equipment

supplier).

Hygiene measures : General industrial hygiene practice.

## **SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

Physical state : liquid

Colour : amber

Odour : characteristic

Odour Threshold : No data available

pH : 5.5 - 6.5

Melting point/freezing point : No data available

Boiling point/boiling range : 212 °F / 100 °C

(1,013.33 hPa)

Calculated Phase Transition Liquid/Gas

Flash point : No data available

Evaporation rate : No data available

Flammability (solid, gas) : No data available

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Upper explosion limit : No data available

Lower explosion limit : No data available

Vapour pressure : No data available

Relative vapour density : No data available

Relative density : No data available

Density : No data available

Solubility(ies)

Water solubility : No data available

Solubility in other solvents : No data available

Partition coefficient: n-

octanol/water

No data available

Thermal decomposition : No data available

Viscosity

Viscosity, dynamic : No data available

Viscosity, kinematic : No data available

Oxidizing properties : No data available

#### **SECTION 10. STABILITY AND REACTIVITY**

Reactivity : No decomposition if stored and applied as directed.

Chemical stability : Stable under recommended storage conditions.

Possibility of hazardous

reactions

: Product will not undergo hazardous polymerization.

Conditions to avoid : excessive heat

Do not allow evaporation to dryness.

Incompatible materials : Strong bases

Strong oxidizing agents

Hazardous decomposition

products acrolein

Aldehydes

carbon dioxide and carbon monoxide

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#### **SECTION 11. TOXICOLOGICAL INFORMATION**

Information on likely routes of : Inhalation

exposure

Skin contact **Eye Contact** Ingestion

**Acute toxicity** 

Not classified based on available information.

**Components: GLYCERIN:** 

Acute oral toxicity

: LD 50 (Rat): 12,600 mg/kg

Method: OECD Test Guideline 401

Acute inhalation toxicity : LC 50 (Rat): > 570 mg/m3

Exposure time: 1 h

Assessment: Not classified as acutely toxic by inhalation

under GHS.

: LD 50 (Rabbit): > 10 g/kg Acute dermal toxicity

2-PHENOXYETHANOL:

Acute oral toxicity : LD 50 (Rat): 1,850 mg/kg

Method: OECD Test Guideline 401

: Assessment: No adverse effect has been observed in acute Acute inhalation toxicity

inhalation toxicity tests.

Skin corrosion/irritation

Not classified based on available information.

Components: GLYCERIN:

Result: No skin irritation

2-PHENOXYETHANOL:

Species: Rabbit

Result: No skin irritation

Serious eye damage/eye irritation

Not classified based on available information.

**Product:** 

Remarks: Unlikely to cause eye irritation or injury.

**Components:** 

**GLYCERIN:** 

Result: Mildly irritating to eyes

2-PHENOXYETHANOL:

Species: Rabbit

Result: Irritating to eyes.

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#### Respiratory or skin sensitisation

Skin sensitisation: Not classified based on available information. Respiratory sensitisation: Not classified based on available information.

#### **Components:**

2-PHENOXYETHANOL: Species: Guinea pig

Assessment: Does not cause skin sensitisation.

Method: OECD Test Guideline 406

Germ cell mutagenicity

Not classified based on available information.

Components:

2-PHENOXYETHANOL:

Genotoxicity in vitro : Test Type: Ames test

Test species: Salmonella typhimurium

Metabolic activation: with and without metabolic activation

Result: negative

#### Carcinogenicity

Not classified based on available information.

#### Reproductive toxicity

Not classified based on available information.

#### STOT - single exposure

Not classified based on available information.

#### STOT - repeated exposure

Not classified based on available information.

#### **Aspiration toxicity**

Not classified based on available information.

**Further information** 

Product:

Remarks: No data available

Carcinogenicity:

IARC No component of this product present at levels greater than or

equal to 0.1% is identified as probable, possible or confirmed

human carcinogen by IARC.

OSHA No component of this product present at levels greater than or

equal to 0.1% is identified as a carcinogen or potential

carcinogen by OSHA.

NTP No component of this product present at levels greater than or

equal to 0.1% is identified as a known or anticipated carcinogen

by NTP.

#### **SECTION 12. ECOLOGICAL INFORMATION**

## **Ecotoxicity**

**Product:** 

Ecotoxicology Assessment

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Acute aquatic toxicity : Not classified based on available information.

Chronic aquatic toxicity : Not classified based on available information.

Components:

GLYCERIN:

Toxicity to fish : LC 50 (Goldfish (Carassius auratus)): > 5,000 mg/l

Exposure time: 24 h Method: Static Remarks: Mortality

Toxicity to daphnia and other

aquatic invertebrates

: LC 50 (Water flea (Daphnia magna)): > 10,000 mg/l

Exposure time: 24 h Method: Static Remarks: Mortality

2-PHENOXYETHANOL:

Toxicity to fish : LC 50 (Fathead minnow (Pimephales promelas)): 337 - 352

mg/l

Exposure time: 96 h

Test Type: flow-through test

Toxicity to daphnia and other

aquatic invertebrates

: EC50 (Daphnia magna (Water flea)): > 500 mg/l

Exposure time: 48 h Test Type: static test

Method: OECD Test Guideline 202

Toxicity to algae : NOEC (Desmodesmus subspicatus (green algae)): > 500 mg/l

End point: Growth inhibition

Exposure time: 72 h Test Type: static test

Toxicity to fish (Chronic

toxicity)

: NOEC (Pimephales promelas (fathead minnow)): 23 mg/l

Exposure time: 34 d

Test Type: flow-through test Method: OECD Test Guideline 210

Toxicity to daphnia and other

aquatic invertebrates (Chronic toxicity)

: NOEC (Daphnia (water flea)): 9.43 mg/l

Exposure time: 21 d

End point: Reproduction Test Test Type: semi-static test

Method: OECD Test Guideline 211

Persistence and degradability

Components:

2-PHENOXYETHANOL:

Biodegradability : Result: Readily biodegradable

Biodegradation: 99 % Exposure time: 28 d

Method: OECD Test Guideline 301F

No data available

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## **Bioaccumulative potential**

**Components:** 

GLYCERIN:

Partition coefficient: n- : log Pow: -1.76

octanol/water

2-PHENOXYETHANOL:

Partition coefficient: n- : log Pow: 1.16

octanol/water

No data available Mobility in soil <u>Components:</u> No data available

Other adverse effects

No data available

**Product:** 

Additional ecological

information

: No data available

#### **Components:**

## **SECTION 13. DISPOSAL CONSIDERATIONS**

**Disposal methods** 

General advice : Dispose of in accordance with all applicable local, state and

federal regulations.

Contaminated packaging : Empty remaining contents.

## **SECTION 14. TRANSPORT INFORMATION**

## International transport regulations

## **REGULATION**

ID NUMBER	PROPER SHIPPING NAME	*HAZARD	SUBSIDIARY	PACKING	MARINE
		CLASS	HAZARDS	GROUP	POLLUTANT /
					LTD. QTY.

#### U.S. DOT - ROAD

Old Doll Rolls
Not dangerous goods

## **U.S. DOT - RAIL**

Not dangerous goods	

#### **U.S. DOT - INLAND WATERWAYS**

Not dangerous goods

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TP	ΔN	SD	ORT	$C\Delta$	NΔD	Δ -	RΩ	ΔD
1 1	AΝ	JOE !	URI	LA	NAU	и -	RU	AU

Not dangerous goods

#### TRANSPORT CANADA - RAIL

Not dangerous goods

#### TRANSPORT CANADA - INLAND WATERWAYS

Not dangerous goods

#### INTERNATIONAL MARITIME DANGEROUS GOODS

Not dangerous goods

#### INTERNATIONAL AIR TRANSPORT ASSOCIATION - CARGO

Not dangerous goods

## INTERNATIONAL AIR TRANSPORT ASSOCIATION - PASSENGER

Not dangerous goods

# MEXICAN REGULATION FOR THE LAND TRANSPORT OF HAZARDOUS MATERIALS AND WASTES

Not dangerous goods		

#### \*ORM = ORM-D, CBL = COMBUSTIBLE LIQUID

Marine pollutant	no

Dangerous goods descriptions (if indicated above) may not reflect quantity, end-use or region-specific exceptions that can be applied. Consult shipping documents for descriptions that are specific to the shipment.

#### **SECTION 15. REGULATORY INFORMATION**

SARA 311/312 Hazards : No SARA Hazards

SARA 313 Component(s)

2-PHENOXYETHANOL 122-99-6 1.55 %

Pennsylvania Right To Know

WATER 7732-18-5

GLYCERIN 56-81-5

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2-PHENOXYETHANOL 122-99-6

**New Jersey Right To Know** 

WATER 7732-18-5

GLYCERIN 56-81-5

2-PHENOXYETHANOL 122-99-6

BAOBAB EXTRACT 91745-12-9

California Prop 65 This product does not contain any chemicals known to State

of California to cause cancer, birth defects, or any other

reproductive harm.

The components of this product are reported in the following inventories:

TSCA : Not On TSCA Inventory

DSL : This product contains one or several components that are not

on the Canadian DSL and have annual quantity limits.

AICS : Not in compliance with the inventory

ENCS : Not in compliance with the inventory

KECI : Not in compliance with the inventory

PICCS : Not in compliance with the inventory

IECSC : Not in compliance with the inventory

#### **Inventories**

AICS (Australia), DSL (Canada), IECSC (China), REACH (European Union), ENCS (Japan), ISHL (Japan), KECI (Korea), NZIoC (New Zealand), PICCS (Philippines), TCSI (Taiwan), TSCA (USA)

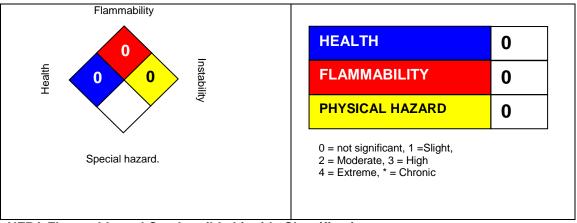
#### **SECTION 16. OTHER INFORMATION**

**Further information** 

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NFPA:	HMIS III:
	1 11 <b>4</b> 11 <b>0</b> 1111.

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NFPA Flammable and Combustible Liquids Classification

Not applicable

#### **Full text of H-Statements**

H302 Harmful if swallowed. H319 Causes serious eye irritation.

Sources of key data used to compile the Safety Data Sheet Ashland internal data including own and sponsored test reports The UNECE administers regional agreements implementing harmonised classification for labelling (GHS) and transport.

The information accumulated herein is believed to be accurate but is not warranted to be whether originating with the company or not. Recipients are advised to confirm in advance of need that the information is current, applicable, and suitable to their circumstances. This SDS has been prepared by Ashland's Environmental Health and Safety Department (1-800-325-3751).

List of abbreviations and acronyms that could be, but not necessarily are, used in this safety data sheet:

ACGIH: American Conference of Industrial Hygienists

BEI : Biological Exposure Index

CAS: Chemical Abstracts Service (Division of the American Chemical Society).

CMR: Carcinogenic, Mutagenic or Toxic for Reproduction

FG: Food grade

GHS: Globally Harmonized System of Classification and Labeling of Chemicals.

H-statement : Hazard Statement

IATA: International Air Transport Association.

IATA-DGR: Dangerous Goods Regulation by the "International Air Transport Association" (IATA).

ICAO: International Civil Aviation Organization

ICAO-TI (ICAO): Technical Instructions by the "International Civil Aviation Organization"

IMDG: International Maritime Code for Dangerous Goods

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ISO: International Organization for Standardization

logPow: octanol-water partition coefficient

LCxx: Lethal Concentration, for xx percent of test population

LDxx: Lethal Dose, for xx percent of test population. ICxx: Inhibitory Concentration for xx of a substance

Ecxx : Effective Concentration of xx N.O.S.: Not Otherwise Specified

OECD: Organization for Economic Co-operation and Development

OEL : Occupational Exposure Limit
P-Statement : Precautionary Statement
PBT : Persistent , Bioaccumulative and Toxic

PPE: Personal Protective Equipment STEL: Short-term exposure limit STOT: Specific Target Organ Toxicity

TLV : Threshold Limit Value TWA : Time-weighted average

vPvB: Very Persistent and Very Bioaccumulative

WEL: Workplace Exposure Level

CERCLA: Comprehensive Environmental Response, Compensation, and Liability Act

DOT: Department of Transportation

FIFRA: Federal Insecticide, Fungicide, and Rodenticide Act HMIRC: Hazardous Materials Information Review Commission

HMIS: Hazardous Materials Identification System NFPA: National Fire Protection Association

NIOSH: National Institute for Occupational Safety and Health OSHA: Occupational Safety and Health Administration

PMRA: Health Canada Pest Management Regulatory Agency

RTK: Right to Know

WHMIS: Workplace Hazardous Materials Information System