

CYC Solutions Company

CYC Solutions Company
3085 N. Cessna Ave
Casa Grande, AZ 85122
(520) 316-3738

SAFETY DATA SHEET

SECTION 1: IDENTIFICATION OF THE SUBSTANCE AND COMPANY

1.1 Substance Identifier

Substance Name: Condensed fermented corn extractives, Corn steepwater, Condensed distillers solubles

Product Name: PBO 2-2-1

1.2 Relevant identified uses of the substance and uses advised against

Relevant use(s): Plant strengthener/ organic fertilizer for agriculture and horticulture.

Uses advised against: There are no evidences of uses advised against.

1.3 Details of the supplier of the safety data sheet

Identification of the company: CYC Solutions Company
3085 N. Cessna Avenue
Casa Grande, AZ 85122
Tel: (520) 316-3738

1.4 Emergency telephone number

Infotrac: 800-535-5053

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance

Emergency Overview

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

Appearance

Tan - Brown

Physical State

Liquid

Odor

Characteristic

This product is NOT classified as hazardous according to the criteria contained in the Hazard Communication Standard 29 CFR 1910.1200 (known as HCS 2012) or the Hazardous Products Regulations SOR/2015-17 (known as WHMIS 2015).

Potential adverse physicochemical, human health and environmental effects:

Under normal conditions of use, the substance does not cause adverse effects to humans and to the environment.

2.2 Label elements

| | |
|-------------------------|---|
| GHS Pictogram | none |
| Signal Word | none |
| Hazard Statement | none |
| Precautionary Statement | none |
| Other Information: | If skin irritation occurs: Get medical advice/attention Avoid breathing dust Use personal protective equipment as required Keep out of reach of children This product may stain skin after prolonged exposure |

2.3 Other hazards (which do not results in classification)

None

SECTION 3: COMPOSITION/ INFORMATION ON INGREDIENTS

Description:

| | |
|---------------------------------|-----------------|
| Name of Component | Corn Steepwater |
| CAS-No | 66071-94-1 |
| Weight % | 100 |
| North American Hazard Indicator | None Known |

Other Information:

The substance is a UVCB substance, with a variable composition

SECTION 4: FIRST AID MEASURES

4.1 Description of the first aid measures

Under normal circumstances, the product has no harmful effect. If irritation occurs, seek medical

- Eye contact:** Wash immediately with large amounts of water or normal saline for ≥15 minutes. Keep eyelid open during the washing. Get medical advice if adverse symptoms will appear.
- Skin contact:** Remove contaminated clothing. Wash affected area with soap or mild detergent and large amount of water. Get medical advice if adverse symptoms will appear.
- Inhalation:** Move the person to fresh air. Get medical advice if adverse symptoms will appear.
- Infestation:** Rinse mouth thoroughly. Get medical advice if adverse symptoms will appear.
- First Aid Responders:** Wear rubber or nitrile gloves to prevent staining on skin.

4.2 Most important symptoms and effects (acute and delayed)

Acute:

Eyes: Contact with eyes may cause irritation.

Skin: Prolonged skin contact may cause skin irritation. Contact with product at elevated temperatures can result in thermal burns.

Inhalation: Avoid breathing vapors or mists. Health injuries are not known or expected under normal use.

Ingestion: Not for human consumption. Over exposure may cause: Gastrointestinal disturbance.

Delayed: Delayed symptoms and effects are not known.

4.3 Indication of any immediate medical attention and special treatment needed

Notes to Physician Treat symptomatically.

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media: Carbon dioxide, foam, powder and neutralized water. In the event of a fire, keep containers cool with water spray.

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

Unsuitable Extinguishing Media: None known.

5.2 Special hazards arising from the substance

Hazardous combustion products: Thermal decomposition or combustion may generate toxic and hazardous fumes of Carbon monoxide (CO), Carbon dioxide (CO₂)

5.3 Advice for firefighters

Technical actions for protection: Do not attempt to extinguish the fire without an autonomous respiratory device (SCBA) and protective adapted clothing.

Special protective equipment for firefighters: As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel:

No action shall be taken without suitable training. Evacuate personnel to safe areas. Ventilate areas. Remove all sources of ignition.

For emergency responders:

Wear appropriate protective equipment (see Section 8) to minimize exposure to the product.

6.2 Environmental precautions

Prevent entry to sewers and public waters. Try to prevent the material from entering drains or water courses

6.3 Methods and material for contaminant and cleaning up

For contaminant: If possible stop spread of material.

Methods of clean up: Soak up with inert absorbent material. Pick up and transfer to properly labelled containers.

6.4 References to other sections

See also sections 8 and 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

Recommendations for handling and storage: Avoid breathing concentrate. Handle in well ventilated area. .

Recommendations for personal hygiene: Do not eat, drink or smoke in the working areas. Wash hands after handling the substance.

7.2 Condition for safe storage including any incompatibilities

Recommendations for storage: Store in dry, cool and well ventilated area. Avoid direct exposure to sunlight.

7.3 Specific end use(s)

Recommendations for specific end use as plant strengthener/ organic fertilizer for the use in agriculture and horticulture.

SECTION 8: EXPOSURE CONTROL/ PERSONAL PROTECTION

8.1 Control parameters

National/ European

Occupational Exposure Limits: Not Established

Other National/ European

Occupational Exposure Limits: Not Established

National/ European Biological Limits(BEI):

Not Established

Other National/ European

Biological Limits(BEI): Not Established

8.2 Exposure Controls

Appropriate risk management measures, that must be adopted at the workplace, have to be selected and applied, following the risks assessment carried out by the employer, in connection with his working activity (in accordance with Directive 98/24/EEC).

Eye/Face protection: Wear eye protection.

Hands protection: Wear protective gloves to minimize skin contacts.

Skin Protection: Wear suitable working clothes.

Respiratory protection: In case of mist, spray or aerosol exposure wear suitable personal respiratory protection.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic and physical properties

| | |
|-----------------------------------|---------------------------|
| Appearance: | Tan - Brown |
| Physical State: | Liquid |
| Odor: | Characteristic |
| Odor Threshold: | No information available |
| pH: | 3 |
| Flash Point: | No information available |
| Autoignition Temperature: | No information available |
| Boiling point: | Approx. 101 °C / 214 °F |
| Melting/Freezing Point: | No information available |
| Decomposition temperature: | No information available |
| Oxidizing Properties: | No information available |
| Water Solubility: | Soluble to partly soluble |
| Evaporation Rate: | No information available |
| Vapor Pressure: | 17.5 mmHg |
| Vapor Density: | No information available |

Specific Gravity/Relative Density: 1.15-1.25 (H₂O=1)

**Partition Coefficient
(n-octanol/water):** No Information Available

9.2 Other Information

No additional information available.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity

This substance is not reactive under normal conditions of storage.

10.2 Chemical stability

Substance is stable in normal conditions of temperature and if stored in a dry and well ventilated area

10.3 Possibility of hazardous reactions

Under normal conditions of storage and use, no hazardous reactions occur.

10.4 Conditions to avoid

None known

10.5 Incompatible materials

Not determined.

10.6 Hazardous decomposition products

Carbon oxides, Carbon monoxide (CO)

SECTION 11: INFORMATION ON TOXICOLOGICAL EFFECTS

Effects following the exposure

| | |
|---------------------------|---|
| Dermal: | May cause irritation. |
| Ingestion: | May cause irritation. |
| Inhalation: | Inhalation of product may cause irritation to respiratory ways. |
| Contact with eyes: | May cause eye irritation. |

Acute Toxicity

| | |
|--------------------|--|
| Oral: | Based on available data, no evidence of oral acute toxicity. |
| Dermal : | Based on available data, no evidence of dermal acute toxicity. |
| Inhalation: | Based on available data, no evidence of inhalation acute toxicity. |

Skin corrosion/ irritation: This substance is not a irritant of the skin.

Serious eye damage/ irritation: This substance is not a irritant of the eye.

Respiratory of skin sensitization: This information is not available.
Germ cell mutagenicity: This information is not available.
Carcinogenicity: This information is not available.
Reproductive toxicity: This information is not available.
Repeated dose toxicity: This information is not available.
Specific target organ toxicity: This information is not available.
Aspiration Hazard: This information is not available.

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity

Contains no substances known to be hazardous to the environment

12.2 Persistence and degradability

This product is biodegradable.

12.3 Mobility in the soil

Partly Soluble in water.

12.4 Other adverse effects

No additional information available

12.5 Other adverse effects

No additional information available.

SECTION 13: DISPOSAL CONSIDERATION

13.1 Waste treatment methods

All disposal practices must be in compliance with all local, national and community laws and regulations.

SECTION 14: TRANSPORT INFORMATION

Not classified in accordance with ADR/ RID, IMDG, DATA and DOT regulation.

SECTION 15: REGULATORY INFORMATION

15.1 US 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 Section 103-302 | This product is not known to contain any chemicals which are subject to reporting requirements. |
| SARA Section 313 | This product is not known to contain any chemicals which are subject to reporting requirements. |

15.2 Canada Regulations

| | |
|---|---------------------------------|
| WHMIS Product Classification | Not a WHMIS controlled product. |
| WHMIS Ingredient Disclosure List IDL | Component Information |
| (NPRI) Canadian National Pollutant Release Inventory | No known component is listed. |

15.3 Mexico Regulations

| | |
|-------|---------|
| Risk | Minimum |
| Grade | 0 |

SECTION 16: OTHER INFORMATION

| | |
|--------------------------|-------------|
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