

Safety Data Sheet

Issuing Date 14-Oct-2015

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Version 5

1. Identification of the Substance/Preparation and of the Company/Undertaking

Product Identifier

Product Code AB223
Product name 2DYE4 BLUE

Recommended use of the chemical and restrictions on use

Synonyms N/A

Supplier's details

Recommended use Industrial Use Only.
Uses advised against No information available

Distributor

Fertilizer Company of Arizona, Inc.
2850 South Peart Road
Casa Grande, Arizona 85193-9024
Telephone: (520) 836.7477

Emergency Telephone Number

USA: 800.255.3924 or 928.783.3803

2. Hazards Identification

Classification

Not a dangerous substance or mixture according to the Globally Harmonized System (GHS)

EMERGENCY OVERVIEW

signal word

Not Hazardous

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

Appearance Blue liquid

Physical State Liquid

Odor No information available

Precautionary statements

P280 - Wear protective gloves/protective clothing/eye protection/face protection
P260 - Do not breathe dust/fume/gas/mist/vapors/spray
P501 - Dispose of contents/ container to an approved waste disposal plant

Hazards Not Otherwise Classified (HNOC)

OTHER INFORMATION

Unknown Acute Toxicity

100 percent of the mixture consists of ingredient(s) of unknown acute toxicity

3. Composition/Information on Ingredients

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

4. First aid measures

First aid measures for different exposure routes

| | |
|---------------------|--|
| Eye Contact | Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician. |
| Skin Contact | Wash skin with soap and water. |
| Inhalation | Move to fresh air. |
| Ingestion | Clean mouth with water and drink afterwards plenty of water. |

Most important symptoms/effects, acute and delayed

Main Symptoms No information available.

Indication of immediate medical attention and special treatment needed, if necessary

Notes to physician Treat symptomatically.

5. Fire-Fighting measures

Suitable extinguishing media

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

Unsuitable extinguishing media Keep away from heat and sources of ignition.

Specific Hazards Arising from the Chemical

No information available.

Explosion Data

Sensitivity to Mechanical Impact None.

Sensitivity to Static Discharge None.

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.

6. Accidental Release measures

Personal precautions, protective equipment and emergency procedures

Personal Precautions Avoid contact with the skin and the eyes. Use personal protective equipment. For personal protection see section 8. Ensure adequate ventilation.

Environmental Precautions

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

Methods and materials for containment and cleaning up

Methods for containment Prevent further leakage or spillage if safe to do so.

Methods for Cleaning Up Pick up and transfer to properly labeled containers.

7. Handling and Storage

Precautions for Safe Handling

Advice on safe handling Avoid contact with skin, eyes and clothing. Do not breathe vapors/dust. In case of insufficient ventilation, wear suitable respiratory equipment. Wear personal protective equipment. Handle in accordance with good industrial hygiene and safety practice. Remove and wash contaminated clothing before re-use. Provide appropriate exhaust ventilation at places where dust is formed. Do not eat, drink or smoke when using this product. Use

personal protection recommended in Section 8.

Conditions for safe storage, including any incompatibilities

Technical measures/Storage conditions Store locked up. Keep containers tightly closed in a dry, cool and well-ventilated place. Keep in properly labeled containers. Store in accordance with the particular national regulations. Store in accordance with local regulations.

Incompatible Products None known based on information supplied.

8. Exposure Controls/Personal Protection

Control Parameters

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

Exposure Controls

Engineering Measures Showers
Eyewash stations
Ventilation systems. Apply technical measures to comply with the occupational exposure limits. Process enclosure and/or ventilation systems.

Individual protection measures, such as personal protective equipment

Eye/Face Protection Avoid contact with eyes. If splashes are likely to occur, wear: Face-shield. Goggles. Eyewash fountains should be provided in areas where there is any possibility that workers could be exposed to the substances; this is irrespective of the recommendation involving the wearing of eye protection.

Skin and Body Protection Skin and Body Protection. Wear protective gloves and protective clothing. Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact.

Respiratory Protection If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn.

Hygiene Measures Handle in accordance with good industrial hygiene and safety practice. Do not eat, drink or smoke when using this product. Remove and wash contaminated clothing before re-use. Regular cleaning of equipment, work area and clothing is recommended. Wear suitable gloves and eye/face protection. Wash hands before breaks and immediately after handling the product. Wear personal protective equipment.

9. Physical and Chemical Properties

Physical and Chemical Properties

| | | | |
|-----------------------|--------------------------|-------------|--------------------------|
| Physical State | Liquid | Odor | No information available |
| Appearance | Blue liquid | | |
| Odor Threshold | No information available | | |

| <u>Property</u> | <u>VALUES</u> | <u>Remarks • Method</u> |
|-----------------------------|--------------------------|-------------------------|
| pH | No information available | |
| Melting Point | | N/A |
| Boiling Point/Boiling Range | No information available | |
| Flash Point | No information available | |
| Evaporation Rate | no data available | |
| Flammability (solid, gas) | no data available | no data available |
| Flammability Limits in Air | | |
| Upper Flammability Limit | No information available | |
| Lower Flammability Limit | No information available | |
| Vapor Pressure | No information available | |

| | | |
|---|--------------------------|-----|
| Vapor Density | No information available | |
| Specific Gravity | 1.031 | N/A |
| Solubility in Other Solvents | No information available | |
| Partition coefficient: n-octanol/water | No information available | |
| Autoignition Temperature | No Data Available | N/A |
| decomposition temperature | No information available | |
| Kinematic viscosity | No Data Available | |
| Dynamic viscosity | No information available | |
| Explosive Properties | No information available | |
| Oxidizing properties | No information available | |

OTHER INFORMATION

| | |
|-------------------------|---------------------------|
| Softening Point | No information available |
| Molecular Weight | |
| VOC Content(%) | No information available. |
| Density | 8.6 lbs./gal. |

10. Stability and Reactivity**Reactivity**

No data available

Chemical Stability

Stable under recommended storage conditions.

Hazardous Reactions

None under normal processing

Conditions to avoid

Extremes of temperature and direct sunlight.

Incompatible materials

None known based on information supplied.

Hazardous decomposition products

May emit toxic fumes under fire conditions.

11. Toxicological Information**Information on Likely Routes of Exposure**

| | |
|----------------------------|--|
| Product information | Product does not present an acute toxicity hazard based on known or supplied information |
| Inhalation | Avoid breathing vapors or mists. |
| Eye Contact | Avoid contact with eyes. |
| Skin Contact | Avoid contact with skin. |
| Ingestion | Not an expected route of exposure. Do NOT taste or swallow. |

Information on Toxicological Effects

| | |
|-----------------|---------------------------|
| Symptoms | No information available. |
|-----------------|---------------------------|

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

| | |
|--|---------------------------|
| Sensitization | No information available. |
| Germ cell mutagenicity | No information available. |
| Carcinogenicity | No information available. |
| Reproductive Toxicity | No information available. |
| Specific target organ systemic toxicity (single exposure) | No information available. |

Specific target organ systemic toxicity (repeated exposure) No information available.
Aspiration Hazard No information available.

Numerical Measures of Toxicity - Product information

Unknown Acute Toxicity 100 percent of the mixture consists of ingredient(s) of unknown acute toxicity

12. Ecological Information

Ecotoxicity

100% of the mixture consists of components(s) of unknown hazards to the aquatic environment

Persistence and Degradability

No information available.

Bioaccumulation

No information available.

Other Adverse Effects

No information available

13. Disposal Considerations

Waste treatment

Waste Disposal Methods

Should not be released into the environment. Dispose of in accordance with local regulations. This material, as supplied, is not a hazardous waste according to state and federal regulations (40 CFR 261).

Contaminated Packaging

Do not re-use empty containers. Dispose of in accordance with local regulations.

14. TRANSPORT INFORMATION

DOT

Description NOT REGULATED

MEX

IATA

Description NOT REGULATED

IMDG

Description NOT REGULATED

RID

ADN

15. Regulatory Information

International Inventories

TSCA Listed

| | |
|----------------------|----------------|
| EINECS/ELINCS | Not Determined |
| DSL | Not Determined |
| NDSL | Not Determined |
| PICCS | Not Determined |
| ENCS | Not Determined |
| IECSC | Not Determined |
| AICS | Not Determined |
| KECL | Not Determined |
| NZIoC | Not Determined |

Legend

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

EINECS/ELINCS - European Inventory of Existing Commercial Chemical Substances/EU List of Notified Chemical Substances

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

PICCS - Philippines Inventory of Chemicals and Chemical Substances

ENCS - Japan Existing and New Chemical Substances

IECSC - China Inventory of Existing Chemical Substances

AICS - Australian Inventory of Chemical Substances

KECL - Korean Existing and Evaluated Chemical Substances

NZIoC - New Zealand Inventory of Chemicals

REACH registration number Keystone has taken all relative steps to ensure REACH-Compliance. Please contact us with any REACH-Related questions at REACH@Keystone-Europe.CO.UK

RESTRICTIONS - REACH TITLE VIII No information available

US 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

International regulations

CANADA

WHMIS Note

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

WHMIS Hazard Class

Non-controlled

| | | | | |
|-------------|------------------------|-----------------------|--------------------------|------------------------------|
| HMIS | Health Hazard 1 | flammability 1 | Physical hazard 0 | PERSONAL PROTECTION H |
|-------------|------------------------|-----------------------|--------------------------|------------------------------|

16. Other Information

| | |
|------------------------------------|--|
| Revision Date | 14-Oct-2015 |
| Revision note | No information available. |
| Restrictions on use | No information available. |
| Contact Information Website | www.fertizona.com |

Disclaimer

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

End of Material Safety Data Sheet