



Eagle Arsenic Oxide SAFETY DATA SHEET

Crystal Quest® Manufacturing
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1. Product and Company Identification

Product Name: BAYOXIDE/EAGLESORB-Arsenic
Material Number: 2653218
Color Index Name: Pigment Yellow 42
CAS-No.: 20344-49-4
Formula: FeOOH
HS Tariff Classification: 2821.10

2. Hazards Identification

Emergency Overview

Color: Brown **Form:** Solid Granules **Odor:** Odorless

Product poses little or no hazard if spilled. May cause mechanical irritation (abrasion)

Potential Health Effects

Primary Routes of Entry: Inhalation, Skin Contact, Eye Contact, Ingestion

Medical Conditions Aggravated by Exposure: Respiratory Disorders

HUMAN EFFECTS AND SYMPTOMS OF OVEREXPOSURE

General Effects of Exposure

Acute Effects of Exposure

For Product: BAYOXIDE/EAGLEOXIDE E33

No applicable information was found concerning any adverse acute health effects from over exposure to this product.

Chronic Effects of Exposure

For Product: BAYOXIDE/EAGLEOXIDE E33

For applicable information was found concerning any adverse chronic health effects from overexposure to this product.

Carcinogenicity:

No Carcinogenic substances as defined by IARC, NTP and/or OSHA

3. Composition/Information on Ingredients

Hazardous Components

This material is not hazardous under the criteria of the Federal OSHA Hazard Communication Standard 29 CFR 1910.1200.

4. First Aid Measures

Eye Contact

In case of contact, flush eyes with plenty of lukewarm water. Get medical attention if irritation develops.

Skin Contact

In case of skin contact, wash affected areas with soap and water.

Inhalation

If inhaled, remove to fresh air. Get medical attention if irritation develops.

Ingestion

If ingested, do not induce vomiting unless directed to do so by medical personnel. Get medical attention.

5. Fire-Fighting Measures

Suitable Extinguishing Media:

Material is not combustible. Use extinguishing media suitable for other combustible materials in the area.

Special Fire Fighting Procedures

Firefighters should be equipped with self-contained breathing apparatus to protect against potentially toxic and irritating fumes.

6. Accidental Release Measures

Spill and Leak Procedures

Spills should be swept up and placed in appropriate containers for disposal. Clean up promptly by scoop or vacuum. Avoid creating dusty conditions.

7. Handling and Storage

Storage Period

Unlimited in tightly closed containers.

Handling/Storage Precautions

Handle in accordance with good industrial hygiene and safety practices. Wash thoroughly after handling. Keep container closed when not in use. Avoid breathing dust.

Further Info on Storage Conditions

Material can be stored safely at ambient temperatures.

8. Exposure Controls/Personal Protection

Country specific exposure limits have not been established or are not applicable.

Industrial Hygiene/Ventilation Measures

Under normal conditions of use, special ventilation is not required.

Respiratory Protection

Although no exposure limit has been established for this product, the OSHA PEL for Particulates Not Otherwise Regulated (PNOR) of 15 mg/m³ - total dust, 5 mg/m³ - respirable fraction is recommended. In addition, the ACGIH recommends 3 mg/m³ - respirable particles and 10 mg/m³ - inhalable particles for Particles (insoluble or poorly soluble) Not Otherwise Specified (PNOS). The following respirator is recommended if airborne concentrations exceed the appropriate standard/guideline. NIOSH approved, air-purifying particulate respirator with N-95 filters.

Eye Protection

Safety glasses

Skin and Body Protection

No special skin protection requirements during normal handling use.

Additional Protective Measures

Employees should wash their hands and face before eating, drinking, or using tobacco products. Educate and train employees in the safe use and handling of this product.

9. Physical and Chemical Properties

Form:	Solid
Appearance:	Granules
Color:	Brown
Odor:	Odorless
pH:	4 - 8 @ 50 g/l
Melting Point:	Begins at 1,000° C (1,832° F)
Flash Point:	N/A
Lower Explosion Limit:	Not established
Upper Explosion Limit:	Not established
Vapor Pressure:	N/A
Specific Gravity:	4 - 5 @ 20° C (68° F)
Water Solubility:	Insoluble
Autoignition Temperature:	N/A
Viscosity, Dynamic:	N/A
Bulk Density:	300 - 1,000 kg/m ³

10. Stability and Reactivity

Hazardous Reactions

Hazardous polymerization does not occur.

Stability

Stable

Conditions to Avoid

At temperatures greater than 356° F (180° C) the product will be converted to Fe₂O₃.

11. Toxicological Information

Toxicity Data for BAYOXIDE/EAGLEOXIDE E33

Acute Oral Toxicity

LD50: >5,000 mg/kg (Rat)

Skin Irritation

Non-irritating (Rabbit)

Eye Irritation

Non-irritating (Rabbit)

Toxicity Data for C.I. Pigment Yellow 42**Acute Oral Toxicity**

LD50: >5,000 mg/kg (Rat)

Skin Irritation

Non-irritating (Rabbit)

Eye Irritation

Non-irritating (Rabbit)

Carcinogenicity

Intraperitoneal, 8 w, ambiguous (Rat, Male/Female)

12. Ecological Information

Ecological Data for BAYOXIDE/EAGLEOXIDE E 33**Acute and Prolonged Toxicity to Fish**

LC0: >1,000 mg/l (Golden orfe "*Leuciscus idus*")

Toxicity to Microorganisms

NOEC: >1,000 mg/l (*Pseudomonas putida*)

Ecological Data for C.I. Pigment Yellow 42**Acute and Prolonged Toxicity to Fish**

EC50: >1,000 mg/l (Golden orfe "*Leuciscus idus*", 48hr)

Toxicity to microorganisms

>10,000 mg/l (*Pseudomonas putida*)

13. Disposal Considerations

Waste Disposal Method

Waste disposal should be in accordance with existing federal, state and local environmental control laws.

Empty Container Precautions

Recondition or dispose of empty container in accordance with government regulations.

14. Transportation Information

Land Transport (DOT)

Non-regulated

Sea Transport (IMDG)

Non-regulated

Air Transport (ICAO/IATA)

Non-regulated

15. Regulatory Information

United States Federal regulations

OSHA Hazcom Standard Rating: Non-hazardous
U.S. Toxic Substances Control Act: Listed on the TSCA Inventory

U.S. EPA CERCLA Hazardous Substances (40 CFR 302):

Components

None

SARA Section 311/312 Hazard Categories: Non-hazardous under Section 311/312

U.S. EPA Emergency Planning and Community Right-To-Know Act (EPCRA) SARA Title III Section 302 Extremely Hazardous Substance (40 CFR 355, Appendix A):

Components

None

U.S. EPA Emergency Planning and Community Right-To-Know ACT (EPCRA) SARA Title III Section 313 Toxic Chemicals (40 CFR 372.65) – Supplier Notification Required:

Components

None

U.S. EPA Resource Conservation and Recovery Act (RCRA) Composite List of Hazardous Wastes and Appendix VIII Hazardous Constituents (40 CFR 261):

If discarded in its purchased form, this product would not be a hazardous waste either by listing or by characteristic. However, under RCRA, it is the responsibility of the product user to determine at the time of disposal, whether a material containing the product or derived from the product should be classified as a hazardous waste. (40 CFR 261.20-24)

State Right-To-Know Information

The following chemicals are specifically listed by individual states; other product specific health and safety data in other sections of the SDS may also be applicable for state requirements. For details on your regulatory requirements you should contact the appropriate agency in your state.

Potential exposure to the California Proposition 65 chemicals in this product has been determined to be below the No Significant Risk Level (NSRL). The concentrations reported below in units of parts per million (ppm) or parts per billion (ppb) are maximum values.

Massachusetts, New Jersey or Pennsylvania Right-To-Know Substance Lists:

<u>Weight%</u>	<u>Components</u>	<u>CAS#</u>
1 – 100%	C.I. Pigment Yellow 42	20344-49-4

Massachusetts Right-To-Know Extraordinarily Hazardous Substance List:

<u>Weight%</u>	<u>Components</u>	<u>CAS#</u>
25 ppm	Arsenic	7440-38-2
350 ppm	Chromium	7440-47-3
200 ppm	Nickel (Ni)	7440-02-0

California Proposition 65:

To the best of our knowledge, this product does not contain any of the listed chemicals, which the state of California has found to cause cancer, birth defects or other reproductive harm.

16. Other Information

NFPA 704M Rating

Health	1
Flammability	0
Reactivity	0
Other	0

0=Insignificant 1=Slight 2=Moderate 3=High 4=Extreme

HMIS Rating

Health	1
Flammability	0
Physical Hazard	0

0=minimal 1=Slight 2=Moderate 3=Serious 4=Severe

*=Chronic Health Hazard

LANXESS Corporation's method of hazard communication is comprised of Product labels and Safety Data Sheets. HMIS and NFPA ratings are provided by LANXESS Corporation as a customer service.

Contact Person: Product Safety Department
Telephone: (800) LANXESS
SDS Number: 000000004623
Version Date: 04/01/2005
Report Version: 1.1

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