

MATERIAL SAFETY DATA SHEET

1. PRODUCT COMPANY AND IDENTIFICATION

Trade Name Z-Nite S

Generic Description Modified bitumen

Manufacturer/Supplier Address Horizon Mud Co.
2601 NW Expressway, Suite 502W
Oklahoma City, OK 73112

Phone Number 405-840-8229

2. COMPOSITION/INFORMATION ON THE COMPONENTS

Material or Component	CAS Number	Percentage
Modified bitumen	8052-42-4	60-100
Anti-caking agent	1332-58-7	10-30

3. HAZARD IDENTIFICATION

Hazard Data: May be irritating to skin, eyes and respiratory tract.

Health 1
Flammability 1
Reactivity 0

Ratings based on NPFA

Inhalation:

May be irritating to the respiratory tract if inhaled at concentrations that exceed recommended exposure limit. Nuisance dust 15 mg/m³ total dust. Signs and symptoms of respiratory tract irritation may include, but may not be limited to, nasal discharge, sore throat, coughing...

Skin Contact:

May be irritating to the skin with prolonged contact.

Eye Contact:

May cause irritation to the eyes due to the abrasive action of the dust.

Ingestion:

Not anticipated route of exposure.

Chronic Health Effects

None known. Not listed as a carcinogen on IARC, NTP or OSHA lists.

Medical Conditions Aggravated by Exposure

None known.

4. FIRST AID MEASURES

Inhalation:

Remove person to fresh air. Get medical attention for any breathing difficulty.

Skin Contact:

Wash exposed area with soap and water. Get medical advice if irritation develops.

Eye Contact:

Wash thoroughly with large amounts of running water for at least 15 minutes. Get medical advice if irritation develops. Remove contact lenses if worn.

Ingestion:

If large amounts were ingested, give water to drink and get medical advice.

Advice to Physicians

Treat symptomatically.

5. FIRE FIGHTING MEASURES

Flash Point 599°F

Flammable Limits Not determined

Fire Extinguishing Media Water, carbon dioxide, dry powder or foam.

Unusual Fire and Explosion Hazard Dust is subject to combustion or explosion upon contact with sparks, open flames or temperatures in excess of 1000F. Any potential of sparking or ignition should be moved prior to pulverizing or other process resulting in dust generation.

Special Fire Fighting Procedures Evacuate area of all unnecessary personnel. Use NIOSH approved self contained breathing apparatus and other protective equipment if conditions warrant.

6. ACCIDENTAL RELEASE MEASURES

Release or Spill

Collect and place in suitable container for reuse or disposal.

Personal Precautions

Avoid breathing dust.

Environmental Precautions

Keep out of waterways.

7. HANDLING AND STORAGE

Store in a cool, dry, ventilated area. Use good housekeeping in storage and work areas to prevent accumulation of dust. Keep away from excessive heat, oxidizing agents and ignition sources. Dust may form explosive mixture with air at high concentrations.

8. EXPOSURE CONTROL/PERSONAL PROTECTION

Airborne Exposure Limits

OSHA Permissible Exposure Limit (PEL) 15 mg/m³ total dust, 5 mg/m³ respirable fraction for nuisance dusts.

Ventilation Requirements:

A system of local and/or general exhaust is recommended if handled in a confined area.

Respiratory Protection

Use NIOSH approved nuisance dust respirator.

Skin Protection

Wear long sleeved clothing and work gloves.

Eye Protection

Wear safety glasses with side shields. Maintain eye wash station in work area.

Other Protection Equipment/Clothing

As appropriate for work area.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Powder
Color	Dark Gray to Black
Odor	Mild Hydrocarbon
pH	Not applicable
Specific Gravity	1.04-1.06
Boiling Range/Point	Not applicable
Melting Point	275° -400°F
Flash Point	600°F
Solubility in Water	Insoluble
Vapor Density (Air=1)	Not applicable
Evaporation Rate (butyl acetate=1)	Not applicable

10. STABILITY AND REACTIVITY

Stability: Stable under normal conditions of use and storage.

Materials to Avoid: Excessive heat and strong oxidizers.

Hazardous Polymerization: Will not occur.

Hazardous Decomposition: If involved in fire: smoke, fumes, carbon oxides, nitrogen oxides.

11. TOXICOLOGICAL INFORMATION

No acute toxicity data is available for product or components. Not listed as carcinogen by IARC, NTP, or OSHA.

12. ECOLOGICAL INFORMATION

No ecotoxicity data is available.

13. DISPOSAL

Dispose of material in accordance with all local, state, and federal regulations.

14. TRANSPORTATION INFORMATION

UN Proper Shipping Name	Not regulated as hazardous
UN Label	None
UN Identification Number	None
Hazardous Ingredients	None
Placards	None
Reportable Quantity	None

15. REGULATORY INFORMATION

TSCA Listed	Yes
SARA Title III Section 302	No
SARA Title III Section 311/312	No
SARA Title III Section 313	No

16. OTHER INFORMATION

Abbreviations

N/A: Denotes no applicable information found or available

CAS#: Chemical Abstracts Service Number

ACGIH: American Conference of Governmental Industrial Hygienists

NIOSH: National Institute for Occupational Safety & Health

OSHA: Occupational Safety and Health Administration

TLV: Threshold Limit Value

PEL: Permissible Exposure Limit

STEL: Short Term Exposure Limit

NTP: National Toxicology Program

IARC: International Agency for Research on Cancer

MSDS Date: 02-1-2012

Disclaimer: All information and recommendations concerning product is based on tests and data believed to be reliable; however it is the user's responsibility to determine the safety, toxicity and suitability for the user's own use of the product described herein. Since the actual use by others is beyond our control, no guarantee expressed or implied is made by Horizon Mud Company. Nor is the information herein to be construed as absolutely complete since additional information may be necessary or desirable when particular conditions exist or because of applicable laws or government regulations.