# Safety Data Sheet

IZ-244

## Section 1: Product and Company Identification

| | | | |
|---|---|---|---|
| **Manufacturer** | Ideas Additives LLC<br>625 S Main St.<br>Lombard, IL 60148 | | |
| **Telephone** | (630) 620-2010 | **Fax** | (630) 620-2014 |
| **Product Name** | IZ-244 | | |
| **Recommended Use** | Additive | | |
| **Restrictions on Use** | For industrial/commercial use only | | |
| **Emergency Contact / Number** | (630) 620-2010 | | |

## Section 2: Hazard Identification

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|---|---|
| **Hazards** | Combustible dust, May form combustible dust concentrations in air |
| **Signal Word** | Warning |

## Section 3: Composition/Information on Ingredients

| Component | CAS# | Concentration |
|---|---|---|
| Polyethylene | 9002-88-4 | 100 |

## Section 4: First Aid Measures

**General advice:** Consult a physician if concerned. Show this safety data sheet to the doctor in attendance.
**If inhaled:** If victim is breathing move to fresh air. If not breathing, give artificial respiration. Consult a physician if adverse health effects occur and persist.
**In case of skin contact**: No adverse effects expected. Wash with soap and water.
**In case of eye contact**: Some brief irritation possible. Flush eyes with clean, lukewarm water for at least 15 minutes while holding eyelids open. Remove contacts. Get medical attention, preferably an ophthalmologist, if irritation occurs and persists.
**If swallowed**: Never give anything by mouth to an unconscious person. Give water if victim is conscious. Do not induce vomiting without medical direction. Keep head below hips if vomiting occurs to prevent aspiration. Seek medical advice or attention if you feel ill.
**Most important symptoms/effects, acute and delayed:** Eye irritation
**Indication of immediate medical attention and special treatment needed, if necessary:** Ongoing eye irritation.

## Section 5: Firefighting Measures

**Suitable and Unsuitable Extinguishing Media:** Product will burn. Use water spray or fog, dry chemical, foam as appropriate for surrounding fire. High pressure water stream may spread fire. No known unsuitable materials.
**Specific Hazards Arising from the Chemical:** May produce CO, $CO_2$, decomposition products, flammable gases, and acrid vapors in a fire. Closed containers may rupture or explode when exposed to extreme heat. Increased fire hazard for material in finely divided state. May form combustible dust concentrations in air. At temperatures above the flashpoint there is a higher fire/explosion hazard.
**Specific Protective Equipment and Precautions for Fire-Fighters:** Follow good fire-fighting practices. Avoid breathing vapors and dusts. Use a water spray to cool fire-exposed containers, structures and to protect personnel. Do not enter enclosed area without a positive pressure, NIOSH-approved self-contained breathing apparatus. Closed containers may explode from high heat.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

**General measures :** No flames, no sparks. Eliminate all sources of ignition. Avoid dust production. Use personal protective equipment (PPE). Dust deposits should not be allowed to accumulate on surfaces, as these may form an explosive mixture if they are released into the atmosphere in sufficient concentration. As part of good industrial and personal hygiene and safety procedure, avoid all unnecessary exposure to the preparation and ensure prompt removal from skin, eyes and clothing. Ventilate the area thoroughly.
**Personal Precautions:** Affected area may be slippery. Isolate release area and keep unnecessary or untrained people away. See Section 8 for personal protection gear.
**Environmental Precautions:** Contain spill if it can be done with minimal risk. Prevent liquid from entering drains, sewers, or waterways. Advise EPA, state, or local agencies as required.
**Methods for Cleaning Up:** Stop leak if you can without risk. Transfer to labeled, sealable containers for product recovery or safe disposal. If molten: allow liquid to solidify before collectingStart cleanup only if spill has cooled completely. Scoop solid spill into closing containers. Powdered: do not use compressed air for pumping over spills. Clean contaminated surfaces with an excess of water. Wash clothing and equipment after handling. Wash down spill area with water to prevent fall hazard.

## SECTION 7: HANDLING AND STORAGE

**Precautions for safe handling:** Wear protective clothing to prevent or minimize contact. Use good ventilation and follow all procedures and precautions for handling chemicals. Comply with the legal requirements. Powdered form: no compressed air for pumping over. Avoid raising dust. Keep away from open flames/high heat. For finely divided material: use spark- and explosion proof appliances. Keep away from ignition sources/sparks. Observe normal hygiene standards. Keep container tightly closed. Measure the concentration in the air regularly. Carry out operations in the open/under local exhaust/ventilation or with respiratory protection.
**Conditions for safe storage, including any incompatibilities:** Best stored in a dry place at 50 – 90 °F. Reseal lid on container after use. Store only in original or compatible, clearly labeled container. Proper grounding procedures to avoid static electricity should be followed. Provide local exhaust or general room ventilation. Use only non-sparking tools.

## SECTION 8: EXPOSURE CONTROL AND PERSONAL PROTECTION

**Exposure Limits**

| Component Name | ACGIH TWA | OSHA |
|---|---|---|
| Polyethylene (CAS 9002-88-4) | 3 mg/m$^3$ (see note) | Not established |

Note: insoluble or poorly soluble particulate, respirable fraction
**Appropriate engineering controls:** Ensure good ventilation. Use only with adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls as required and keep worker exposure to airborne contaminants below any recommended or statutory limits.
**Eye/face protection**: Wear safety glasses or chemical safety goggles; use face shield when working with large amounts.
**Skin protection:** Wear protective clothing and heat resistant gloves to avoid contact. Clean or wash contaminated clothing before reusing.
**Respiratory protection:** Wear suitable respiratory protection to avoid inhalation in the absence of good ventilation or if exposure limit is exceeded.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

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|---|---|---|---|
| **Appearance/Physical State** | White powder | **Flash Point** | >445 °F/ 230 °C |
| **Specific Gravity (Water=1)** | 0.88 – 0.97 | **Upper Flammability Limits** | No data available |
| **Evaporation Rate (ether = 1)** | <1 | **Lower Flammability Limits** | No data available |
| **pH** | No data available | **Auto-ignition Temperature** | No data available |
| **Solubility in Water** | Insoluble | **Decomposition Temperature** | No data available |
| **Odor** | Slight | **Vapor Pressure (mm Hg @ 20 °C)** | No data available |
| **Odor Threshold** | No data available | **Vapor Density (Air-=1)** | No data available |
| **Melting/Freezing Point** | 237 °F/114 °C | **Partition Coefficient (n-octanol/water)** | No data available |
| **Boiling Range** | No data available | **Viscosity (cSt @ 40 °C/100 °C )** | Not Applicable |
| **Initial Boiling Point** | No data available | **Critical Temperature** | No data available |
| Note: Physical and chemical properties are provided for safety, health and environmental considerations and do not fully represent product specifications. Those should be requested separately. | | | |

## SECTION 10: STABILITY AND REACTIVITY

**Reactivity:** Not reactive under normal storage and use conditions
**Chemical Stability:** Stable under normal storage and use conditions
**Possibility of Hazardous Reactions:** May form combustible dust in air
**Conditions to Avoid:** No flames, no sparks; eliminate all sources of ignition avoid dust formation
**Incompatible Materials:** Strong oxidizing agents, strong reducing agents
**Hazardous Decomposition Products:** None under normal temperature and conditions; CO and $CO_2$, combustible dust in air

## SECTION 11: TOXICOLOGICAL INFORMATION

**Acute Toxicity Effects:** Likely routes of exposure are skin and eye contact. Eye contact may be briefly irritating. Contact with skin is unlikely to cause problems. Inhalation may be irritating but is minimally toxic. Swallowing material is minimally toxic. Rat $LD_{50}$ > 2,000 mg/kg.
**Chronic Toxicity Effects:** Long term or repeated exposure may aggravate any acute symptoms.
**Respiratory or skin sensitization:** None expected
**Germ cell mutagenicity:** Components identified as mutagenic: None
**Carcinogenicity:** No components identified by NTP, OSHA or IARC as carcinogenic
**Reproductive toxicity:** None expected

## SECTION 12: ECOLOGICAL INFORMATION

**General ecology:** No assessment has been carried out
**Toxicity:** This product is not expected to be hazardous to the aquatic environment.
**Persistence and degradability:** Not readily biodegradable in water or soil
**Bioaccumulative potential:** No data available.
**Mobility in soil:** No data available.

## SECTION 13: DISPOSAL CONSIDERATIONS

Dispose of material and empty containers in accordance with local, state/province, and federal environmental regulations. Packaging may contain product residues. Clean thoroughly before discarding or reusing.

## SECTION 14: TRANSPORT INFORMATION

| | |
|---|---|
| **DOT** | Not Regulated |
| **TDG** | No information available |
| **IMDG** | No information available |
| **IATA** | No information available |

## SECTION 15: REGULATORY INFORMATION

| | |
|---|---|
| **Chemical Inventories** | All ingredients are listed or exempt from listing on the following inventories<br>TSCA, active (U.S.), and DSL (Canada) |
| **SARA 311/312 Reporting Categories** | None |
| **SARA 313 Reportable Ingredients** | None |
| **California Prop 65** | None |

## SECTION 16: OTHER INFORMATION

| | |
|---|---|
| **NFPA Rating** | Health=0; Flammability=2; Reactivity=1 |
| **Department Issuing SDS** | Health and Safety |

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