

**Oxy-Dry**  
**Material Safety Data Sheet**  
**Product # Oxy-20C**

**SECTION 1: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**

**Product Name:** Oxy-Dry Anti-Offset Powder, Type Oxy-20C

**SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS**

**Chemical Family:** Carbohydrate

NON-HAZARDOUS CAS #9005-25-8

**SECTION 3: HAZARDS IDENTIFICATION**

Nuisance dust with a possibility of dust explosion.

**Route of Entry:** Eye contact, skin contact, inhalation, and ingestion

**Eye:** Particulate may scratch eye surfaces/cause mechanical irritation.

**Skin Contact:** Low order of toxicity

**Inhalation:** Low order of toxicity

**Ingestion:** No hazard in normal industrial use.

**SECTION 4: FIRST-AID MEASURES**

**Eye:** Flush eyes with large amounts of water until irritation subsides. If irritation persists, get medical attention.

**Skin Contact:** Wash with soap and water.

**Inhalation:** Remove to fresh air.

**Ingestion:** Not applicable

**SECTION 5: FIRE FIGHTING MEASURES**

**Auto-Flammability:** See fire & explosion hazards

**Flash Point:** Not applicable

**Extinguishing Media:** Dry chemical; CO<sub>2</sub>; water fog; foam

**Special Fire Fighting Procedures:** No special procedures are required.

**Fire and Explosion Hazards:** Minimum ignition temperature of Dust cloud - approximately 390°C. Minimum energy to ignite cloud by electrical spark - approximately 0.10 joules.

**HAZARDOUS COMPOSITION PRODUCTS**

Carbon monoxide, carbon dioxide

Upper Explosion Limit (%): Not applicable

Lower Explosion Limit (%): Not applicable

**SECTION 6: ACCIDENTAL RELEASE MEASURES**

**Spill and Leak Procedures:** Normal precautions for "nuisance dust" should be observed. Avoid prolonged inhalation of dust. Sweep up or vacuum up and place in suitable container for disposal.

**Waste Disposal Methods:** Waste disposal should be in accordance with existing Federal, State, and Local environmental regulations. For safety and environmental precautions, please review entire Safety Data Sheet for necessary information.

**SECTION 7: HANDLING AND STORAGE**

**Storage Temperature:** Ambient

**Special Sensitivity:** No special sensitivity

**Handling/Storage:** Store in clean, dry, well-ventilated warehouse away from odorous materials.

**Ventilation Requirements:** General

**Sensitive to Static Electricity:** Yes

**Sensitivity to Mechanical Impact:** No

**SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

COMPONENT    EXPOSURE LIMITS

Starch    10 mg/m<sup>3</sup> (ACGIN-TWA)

**Ventilation Requirements:** General

**Eye Protection Requirements:** Safety glasses optional

**Glove Requirements:** Gloves are recommended due to possible irritation.

**Clothing Requirements:** Not applicable

**Respiratory Requirements:** Use approved dust mask (NIOSH).

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

**Pure Substance or Preparation:** Preparation

**Physical Form:** Solid

**Appearance/Odor:** White; starch odor

**Odor Threshold:** Not available

**pH As Is:** Not applicable

**pH In (1%) Solution:** Approx. 5.5

**Boiling Point:** Not applicable

**Melting/Freezing Point:** Not applicable

**Solubility in Water:** Soluble; hot water

**Partition Coefficient (n-octanol/water):** Not applicable

**Bulk Density:** ca. 0.5 g/cc

**Evaporation Rate:** Not applicable

**Vapor Pressure (mmHg):** Not applicable

**Vapor Density (sir=1):** Not applicable

**Volatiles:** None

**Volatile Organic Compounds:** Not applicable

**Auto-Flammability:** Not applicable

**Flash Point:** Not applicable

**Oxidizing Properties:** Not applicable

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**SECTION 10: STABILITY AND REACTIVITY**

**Stability:** Stable

**Hazardous Decomposition Products:** This product does not undergo spontaneous decomposition. Typical combustion products are carbon monoxide, carbon dioxide, nitrogen and water.

**SECTION 11: TOXICOLOGICAL INFORMATION**

**PRODUCT TOXICOLOGY**

**Notes on Eye Irritation:** Physical form may cause irritation

**Notes on Dermal Toxicity:** Non-Hazardous

**Notes on Oral Toxicity:** Low order of toxicity

**CHRONIC (LONG TERM) EFFECTS OF EXPOSURE**

**Route of entry:** Eye contact; skin contact; inhalation; ingestion.

**Effects of Chronic Exposure:** Not Established

**Target Organs:** Not applicable

**Special Health Effects:** None known

**SECTION 12: ECOLOGICAL INFORMATION**

**POTENTIAL EFFECT ON ENVIRONMENT:**

Contributes to effluent BOD

**Mobility:** Unknown

**Persistence and Degradability:** Biodegradable

**Potential to Bio-Accumulate:** Low (degrades too rapidly)

**Ecotoxicity:** Low, but has a BOD contribution

**Aquatic Toxicity:** None established

**SECTION 13: DISPOSAL CONSIDERATIONS**

**Waste Disposal Methods:** Waste disposal should be in accordance with existing community, national and local regulations.

**Empty Container Warnings:** Not needed

**SECTION 14: TRANSPORT INFORMATION**

(See Also Section 9)

**ADR/RID:** Not applicable

**CEFIC Trencard Number:** Not applicable

**Hazchek Code:** Not applicable

**Kemmler Code:** Not applicable

**IMDG Classification:** Not applicable

**IATA Classification:** Not applicable

**U.N. Number (5.1.N):** Not applicable

**U.N. Class, Packing Group:** Not applicable

**DOT Shipping Name:** Modified starch

**DOT Hazard Class:** Non-Hazardous

**DOT Reportable Quantity:** Not applicable

**SECTION 15: REGULATORY INFORMATION**

**EEC Hazard Classification:** None

Directives 88/379/EEC and 91/155/EEC have been considered when compiling this SDS; an industrial user provides the information for health and safety assessment. Reference should be made to any relevant local or national health, safety, and environmental legislation. This information does not constitute indication of suitability for specific uses.

**SECTION 16: OTHER INFORMATION**

**MSDS DATE:** January 1, 2004

For regulatory information contact:

**Dan Hoberg**  
**General Manager**

**Oxy-Dry Supplies**  
**1208 North Swift Road**  
**Addison, IL 60101**  
**Tel: 630-678-5300**

**ADDITIONAL INFORMATION**

The information given and the recommendations made herein apply to our product. Such are based on our research and on data from other reliable sources and are believed to be accurate, no guaranty of accuracy is made. It is the purchaser's responsibility before using any product to verify this data under their own operating conditions and to determine whether the product is suitable for their purposes.