1 Identification

- **Product identifier**
  - **Trade name:** Oxy-Dry Anti-Offset Powder, Type Oxy-52C
  - **CAS Number:** 9005-25-8
  - **EC number:** 232-679-6
  - **Product description** Carbohydrate

- **Details of the supplier of the safety data sheet**
  - **Manufacturer/Supplier:** Baldwin Americas Corporation
    14600 W. 106th Street
    Lenexa, KS  66215 USA
    1-800-654-4999 (U.S. Customers)
    1-933-888-9800 (All others)
    www.Baldwintech.com
    email: baldwintech.com

2 Hazard(s) identification

- **Classification of the substance or mixture**

  May cause respiratory irritation.

- **Label elements**
  - **GHS label elements**
    The substance is classified and labeled according to the Globally Harmonized System (GHS).
  - **Hazard pictograms**

    GHS07

- **Signal word** Warning
- **Hazard statements**
  May cause respiratory irritation.
- **Precautionary statements**
  Avoid breathing dust/fume/gas/mist/vapors/spray.
  Use only outdoors or in a well-ventilated area.
  IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
  Call a POISON CENTER/doctor if you feel unwell.
  Store locked up.
  Store in a well-ventilated place. Keep container tightly closed.
  Dispose of contents/container in accordance with local/regional/national/international regulations.

- **Classification system:**
  - **NFPA ratings (scale 0 - 4)**

    Health = 1
    Fire = 0
    Reactivity = 0

(Contd. on page 2)
Trade name: Oxy-Dry Anti-Offset Powder, Type Oxy-52C

3 Composition/information on ingredients

- Chemical characterization: Substances
- CAS No. Description
  9005-25-8 Starch
- Identification number(s)
  - EC number: 232-679-6

4 First-aid measures

- Description of first aid measures
  - After inhalation: Supply fresh air; consult doctor in case of complaints.
  - After skin contact: Generally the product does not irritate the skin.
  - After eye contact: Rinse opened eye for several minutes under running water.
  - After swallowing: Give large amounts of water. If symptoms persist consult doctor.

5 Fire-fighting measures

- Extinguishing media
  - Suitable extinguishing agents:
    - CO2, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- Special hazards arising from the substance or mixture
  - No further relevant information available.
- Advice for firefighters
  - Protective equipment: No special measures required.
- Additional information
  - Product can be considered a nuisance dust which can have an explosive reaction if in high concentrations.

6 Accidental release measures

- Personal precautions, protective equipment and emergency procedures
  - Not required.
- Environmental precautions: Do not allow to enter sewers/ surface or ground water.
- Methods and material for containment and cleaning up: Ensure adequate ventilation.
- Reference to other sections
  - See Section 7 for information on safe handling.
  - See Section 8 for information on personal protection equipment.
  - See Section 13 for disposal information.

7 Handling and storage

- Precautions for safe handling
  - No special precautions are necessary if used correctly.
- Information about protection against explosions and fires: No special measures required.
- Conditions for safe storage, including any incompatibilities
  - Storage:
    - Requirements to be met by storerooms and receptacles: No special requirements.
    - Information about storage in one common storage facility: Not required.
Trade name: Oxy-Dry Anti-Offset Powder, Type Oxy-52C

- Further information about storage conditions: Keep receptacle tightly sealed.
- Specific end use(s) No further relevant information available.

### 8 Exposure controls/personal protection

- Additional information about design of technical systems: No further data; see section 7.

- Control parameters

  - Components with occupational exposure limits:

    | 9005-25-8 Starch |
    |------------------|
    | **PEL** | Long-term value: 15* 5** mg/m³ |
    |         | *total dust **respirable fraction |
    | **REL** | Long-term value: 10* 5** mg/m³ |
    |         | *total dust **respirable fraction |
    | **TLV** | Long-term value: 10 mg/m³ |

- Additional information: The lists that were valid during the creation were used as basis.

- Exposure controls

  - Personal protective equipment:
    - General protective and hygienic measures:
      - Immediately remove all soiled and contaminated clothing.
      - Wash hands before breaks and at the end of work.
    - Breathing equipment:
      - If the exposure limit is exceeded, a particulate filter respirator (NIOSH type N95) may be worn.
    - Protection of hands:
      - The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
      - Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.
      - Select glove material based on penetration times, rates of diffusion and degradation.
    - Material of gloves
      - The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.
    - Penetration time of glove material
      - The exact break-through time has to be determined and observed by the manufacturer of the protective gloves.

### 9 Physical and chemical properties

- Information on basic physical and chemical properties

  - General Information:
    - Appearance:
      - Form: Powder
      - Color: White
      - Odor: Starch odor
    - Odor threshold: Not determined.
    - pH-value: Not applicable.

  - Change in condition
    - Melting point/Melting range: Not determined.
    - Boiling point/Boiling range: Not determined.
    - Flash point: Not applicable.
Trade name: Oxy-Dry Anti-Offset Powder, Type Oxy-52C

- Flammability (solid, gaseous): Product is not flammable.
- Ignition temperature: 390 °C (734 °F)
- Danger of explosion: Product can be considered a nuisance dust which can have an explosive reaction if in high concentrations.
- Density @ 20 °C (68 °F): 0.65 g/cm³ (5.424 lbs/gal)
- Solubility in / Miscibility with
  - Water: Soluble.
  - Organic solvents: 0.0 %
  - Solids content: 100.0 %
- Other information
  - Fire & Explosion Hazards: Minimum ignition temperature of dust cloud - approximately 390 C. Minimum energy to ignite cloud by electrical spark - approximately 0.10 joules.

10 Stability and reactivity

- Reactivity: No further relevant information available.
- Chemical stability
  - Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.
  - Possibility of hazardous reactions: No dangerous reactions known.
  - Conditions to avoid: No further relevant information available.
  - Incompatible materials: No further relevant information available.
  - Hazardous decomposition products: No dangerous decomposition products known.

11 Toxicological information

- Information on toxicological effects
  - Acute toxicity:
    - Primary irritant effect:
      - on the skin: No irritant effect.
      - on the eye: No irritating effect.
    - Sensitization: No sensitizing effects known.
  - Additional toxicological information:
  - Carcinogenic categories
    - IARC (International Agency for Research on Cancer)
      - Substance is not listed.
    - NTP (National Toxicology Program)
      - Substance is not listed.
    - OSHA-Ca (Occupational Safety & Health Administration)
      - Substance is not listed.

12 Ecological information

- Toxicity
  - Aquatic toxicity: No further relevant information available.
  - Persistence and degradability: No further relevant information available.
  - Bioaccumulative potential: No further relevant information available.
  - Mobility in soil: No further relevant information available.
Trade name: Oxy-Dry Anti-Offset Powder, Type Oxy-52C

- **Additional ecological information:**
  - **General notes:** Water hazard class 1 (Self-assessment): slightly hazardous for water
  - **Results of PBT and vPvB assessment**
    - PBT: Not applicable.
    - vPvB: Not applicable.
  - **Other adverse effects:** No further relevant information available.

### 13 Disposal considerations

- **Waste treatment methods**
  - **Recommendation:** Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

- **Uncleaned packagings**
  - **Recommendation:** Disposal must be made according to official regulations.
  - **Recommended cleansing agent:** Water, if necessary with cleansing agents.

### 14 Transport information

- **UN-Number**
  - DOT, ADR, ADN, IMDG, IATA: Non-Regulated Material

- **UN proper shipping name**
  - DOT, ADR, ADN, IMDG, IATA: Non-Regulated Material

- **Transport hazard class(es)**
  - DOT, ADR, ADN, IMDG, IATA: Non-Regulated Material

- **Class**
  - DOT, ADR, ADN, IMDG, IATA: Non-Regulated Material

- **Packing group**
  - DOT, ADR, ADN, IMDG, IATA: Non-Regulated Material

- **Environmental hazards:**
  - Marine pollutant: No
  - Special precautions for user: Not applicable.
  - Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code: Not applicable.

### 15 Regulatory information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**
  - **Sara**
    - **Section 355 (extremely hazardous substances):** Subsidence is not listed.
    - **Section 313 (Specific toxic chemical listings):** Substance is not listed.

- **TSCA (Toxic Substances Control Act):** Substance is listed.

- **Proposition 65**
  - **Chemicals known to cause cancer:** Substance is not listed.

- **Chemicals known to cause reproductive toxicity for females:** Substance is not listed.

(Contd. on page 6)
Trade name: Oxy-Dry Anti-Offset Powder, Type Oxy-52C

- **Chemicals known to cause reproductive toxicity for males:**
  Substance is not listed.

- **Chemicals known to cause developmental toxicity:**
  Substance is not listed.

- **Carcinogenic categories**
  - EPA (Environmental Protection Agency)
    Substance is not listed.
  - TLV (Threshold Limit Value established by ACGIH)
    9005-25-8 Starch A4
  - NIOSH-Ca (National Institute for Occupational Safety and Health)
    Substance is not listed.

- **GHS label elements**
  The substance is classified and labeled according to the Globally Harmonized System (GHS).

- **Hazard pictograms**
  GHS07

- **Signal word** Warning
- **Hazard statements**
  May cause respiratory irritation.
- **Precautionary statements**
  Avoid breathing dust/fume/gas/mist/vapors/spray.
  Use only outdoors or in a well-ventilated area.
  IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
  Call a POISON CENTER/doctor if you feel unwell.
  Store locked up.
  Store in a well-ventilated place. Keep container tightly closed.
  Dispose of contents/container in accordance with local/regional/national/international regulations.

- **National regulations:**
  Substance is not listed.

- **State Right to Know**
  Substance is not listed.

- **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

**16 Other information**

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- **Date of preparation / last revision** 06/20/2014 / 6
- **Abbreviations and acronyms:**
  - ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
  - IMDG: International Maritime Code for Dangerous Goods
  - DOT: US Department of Transportation
  - IATA: International Air Transport Association
  - ACGIH: American Conference of Governmental Industrial Hygienists
  - EINECS: European Inventory of Existing Commercial Chemical Substances

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Trade name: Oxy-Dry Anti-Offset Powder, Type Oxy-52C

CAS: Chemical Abstracts Service (division of the American Chemical Society)
NFPA: National Fire Protection Association (USA)
HMIS: Hazardous Materials Identification System (USA)
STOT SE 3: Specific target organ toxicity - Single exposure, Hazard Category 3

* Data compared to the previous version altered.

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