Safety Data Sheet (SDS)

Printing date 06/20/2014 Reviewed on 06/20/2014

1 Identification

· Product identifier
  · Trade name: Oxy-Dry Anti-Offset Powder, Type Oxy-26C
  · 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

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Trade name: Oxy-Dry Anti-Offset Powder, Type Oxy-26C

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.
- Most important symptoms and effects, both acute and delayed: No further relevant information available.
- Indication of any immediate medical attention and special treatment needed: No further relevant information available.

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

- **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.
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- **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.
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- 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: Non-Regulated Material
- DOT, ADR, ADN, IMDG, IATA: Non-Regulated Material
- Transport hazard class(es)
  - Class: Non-Regulated Material
  - Packing group: Non-Regulated Material
  - DOT, ADR, 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.
  - UN "Model Regulation": -

15 Regulatory information

- Safety, health and environmental regulations/legislation specific for the substance or mixture
- Sara
  - Section 355 (extremely hazardous substances):
    - Substance 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.
38.1.16

· **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
  
  · **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 / 5

· **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
Trade name: Oxy-Dry Anti-Offset Powder, Type Oxy-26C

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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