SAFETY DATA SHEET

Revision date 23-April-2020

| 1. Identification | |
|--|--------------------------|
| Product identifier | |
| Product Name | OXYBENZONE, USP |
| Other means of identification | |
| Product Code(s) | B1261 |
| Synonyms | None |
| Recommended use of the chemical and restrictions on use | |
| Recommended use | No information available |
| Restrictions on use | No information available |
| Details of the supplier of the safety data sheet | |
| Supplier Address Spectrum Chemical Mfg. Corp. 14422 South San Pedro St. Gardena, CA 90248 (310) 516-8000 | |

Emergency telephone number

Emergency Telephone

Chemtrec 1-800-424-9300

2. Hazard(s) identification

Classification

| Skin corrosion/irritation | Category 2 |
|--|-------------|
| Serious eye damage/eye irritation | Category 2A |
| Skin sensitization | Category 1 |
| Specific target organ toxicity (single exposure) | Category 3 |

Hazards not otherwise classified (HNOC)

Not applicable

Label elements

Warning

Hazard statements

Causes skin irritation Causes serious eye irritation May cause an allergic skin reaction May cause respiratory irritation



Revision Number 4



Physical state Solid

Odor No information available

Precautionary Statements - Prevention

Wash face, hands and any exposed skin thoroughly after handling Avoid breathing dust/fume/gas/mist/vapors/spray Contaminated work clothing must not be allowed out of the workplace Use only outdoors or in a well-ventilated area Wear protective gloves/eye protection/face protection

Precautionary Statements - Response

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing If eye irritation persists: Get medical advice/attention IF ON SKIN: Wash with plenty of water and soap Take off contaminated clothing and wash it before reuse If skin irritation or rash occurs: Get medical advice/attention IF INHALED: Remove person to fresh air and keep comfortable for breathing Call a POISON CENTER or doctor if you feel unwell

Precautionary Statements - Storage

Store in a well-ventilated place. Keep container tightly closed Store locked up

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

Other information

Toxic to aquatic life with long lasting effects.

3. Composition/information on ingredients

Substance

| Chemical name | CAS No | Weight-% | Trade secret |
|----------------|----------|----------|--------------|
| Benzophenone-3 | 131-57-7 | 100 | * |

*The exact percentage (concentration) of composition has been withheld as a trade secret.

4. First-aid measures

Description of first aid measures

| General advice | Show this safety data sheet to the doctor in attendance. |
|----------------|---|
| Inhalation | Remove to fresh air. IF exposed or concerned: Get medical advice/attention. Get medical attention immediately if symptoms occur. |
| Eye contact | Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Keep eye wide open while rinsing. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops and persists. Do not rub affected area. |
| Skin contact | May cause an allergic skin reaction. In the case of skin irritation or allergic reactions see a physician. Wash off immediately with soap and plenty of water for at least 15 minutes. |

| Ingestion | Do NOT induce vomiting. Clean mouth with water and drink afterwards plenty of water. Never give anything by mouth to an unconscious person. Call a physician. | |
|--|--|--|
| Oalf martestian of the first sides | | |
| Self-protection of the first aider | Avoid contact with skin, eyes or clothing. Wear personal protective clothing (see section 8). | |
| Most important symptoms and effe | cts, both acute and delayed | |
| Symptoms | Itching. Rashes. Hives. May cause redness and tearing of the eyes. Burning sensation. Inhalation of high vapor concentrations may cause symptoms like headache, dizziness, tiredness, nausea and vomiting. | |
| Indication of any immediate medica | al attention and special treatment needed | |
| Note to physicians | May cause sensitization in susceptible persons. Treat symptomatically. | |
| 5. Fire-fighting measures | | |
| Suitable Extinguishing Media | Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. | |
| Large Fire | CAUTION: Use of water spray when fighting fire may be inefficient. | |
| Unsuitable extinguishing media | Do not scatter spilled material with high pressure water streams. | |
| Specific hazards arising from the chemical | Product is or contains a sensitizer. May cause sensitization by skin contact. | |
| Explosion data Sensitivity to mechanical impact none. | | |
| Sensitivity to static discharge | none. | |
| Special protective equipment for fire-fighters | Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment. | |
| 6. Accidental release meas | sures | |
| Personal precautions, protective ec | quipment and emergency procedures | |
| Personal precautions | Avoid contact with skin, eyes or clothing. Ensure adequate ventilation. Use personal protective equipment as required. Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak. | |
| Other information | Refer to protective measures listed in Sections 7 and 8. | |
| Methods and material for containment and cleaning up | | |
| Methods for containment | Prevent further leakage or spillage if safe to do so. | |
| Methods for cleaning up | Pick up and transfer to properly labeled containers. | |

7. Handling and storage

Precautions for safe handling

Advice on safe handling

Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Ensure adequate ventilation. In case of insufficient ventilation, wear suitable respiratory equipment. Do not eat, drink or smoke when using this product. Take off contaminated clothing and wash before reuse. Avoid breathing vapors or mists.

Conditions for safe storage, including any incompatibilities

Storage Conditions Keep containers tightly closed in a dry, cool and well-ventilated place. Store locked up. Keep out of the reach of children.

8. Exposure controls/personal protection

| Control parameters | |
|------------------------------------|--|
| Exposure Limits | The following ingredients are the only ingredients of the product above the cut-off level (or level that contributes to the hazard classification of the mixture) which have an exposure limit applicable in the region for which this safety data sheet is intended or other recommended limit. At this time, the other relevant constituents have no known exposure limits from the sources listed here. |
| Appropriate engineering controls | |
| Engineering controls | Showers Eyewash stations Ventilation systems. |
| Individual protection measures, su | ch as personal protective equipment |
| Eye/face protection | Wear safety glasses with side shields (or goggles). |
| Hand protection | Wear suitable gloves. Impervious gloves. |
| Skin and body protection | Wear suitable protective clothing. Long sleeved clothing. |
| Respiratory protection | No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required. |
| General hygiene considerations | Wear suitable gloves and eye/face protection. Do not eat, drink or smoke when using this product. Avoid contact with skin, eyes or clothing. |

9. Physical and chemical properties

| Information on basic physical and chemical properties Physical state Solid Appearance Crystalline Color Yellow; light yellow; white Odor No information available Odor threshold No information available Property Values pH no data available None known Boiling point / freezing point 63 °C / 145.4 °F Boiling point / boiling range 150 - 160 °C / 302 - 320 °F Flash point 100 °C / 212 °F None known Evaporation rate no data available None known Flammability (solid, gas) no data available Flammability Limit in Air No data available Upper flammability or explosive No data available Imits No data available Lower flammability or explosive No data available Imits No data available Vapor pressure No data available None known None known Vapor density no data available None known None known No data available None known < | | | | | |
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| Vapor density no data available None known | limits | | | | |
| | Vapor pressure | No data available | None known | | |
| Relative density 1.3 None known | Vapor density | no data available | None known | | |
| | Relative density | 1.3 | None known | | |

| Water solubility Solubility(ies) | Insoluble in water Freely soluble in alcohol Freely soluble in Toluene | None known None known |
|-------------------------------------|--|--------------------------|
| Partition coefficient | No data available | None known |
| Autoignition temperature | no data available | None known |
| Decomposition temperature | | None known |
| Kinematic viscosity | no data available | None known |
| Dynamic viscosity | No data available | None known |
| Other information | | |
| Explosive properties | No information available | |
| Oxidizing properties | No information available | |
| Softening point | No information available | |
| Molecular weight | No information available | |
| VOC Content (%) | No information available | |
| Liquid Density | No information available | |
| Bulk density | No information available | |
| 10 Stability and reactivit | M | |

10. Stability and reactivity

| Reactivity | No information available. |
|------------------------------------|--|
| Chemical stability | Stable under normal conditions. |
| Possibility of hazardous reactions | None under normal processing. |
| Conditions to avoid | None known based on information supplied. |
| Incompatible materials | Strong acids. Strong bases. Strong oxidizing agents. |
| | |

Hazardous decomposition products None known based on information supplied.

11. Toxicological information

Information on likely routes of exposure

| Product Information | | |
|--|---|--|
| Inhalation | Specific test data for the substance or mixture is not available. May cause irritation of respiratory tract. May cause drowsiness or dizziness. | |
| Eye contact | Specific test data for the substance or mixture is not available. Irritating to eyes. (based on components). Causes serious eye irritation. | |
| Skin contact | May cause sensitization by skin contact. Specific test data for the substance or mixture is not available. Repeated or prolonged skin contact may cause allergic reactions with susceptible persons. (based on components). Causes skin irritation. | |
| Ingestion | Specific test data for the substance or mixture is not available. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. | |
| Symptoms related to the physical, chemical and toxicological characteristics | | |
| Symptoms | Itching. Rashes. Hives. Redness. May cause redness and tearing of the eyes. Inhalation of high vapor concentrations may cause symptoms like headache, dizziness, tiredness, nausea and vomiting. | |

Acute toxicity

Numerical measures of toxicity

| Chemical name | Oral LD50 | Dermal LD50 | Inhalation LC50 |
|----------------------------|--|--------------------|-----------------|
| Benzophenone-3 131-57-7 | = 7400 mg/kg (Rat) >12.8 g/kg (Rat) | > 16 g/kg (Rabbit) | - |

Delayed and immediate effects as well as chronic effects from short and long-term exposure

| Skin corrosion/irritation Serious eye damage/eye irritation Respiratory or skin sensitization Germ cell mutagenicity | Classification based on data available for ingredients. Irritating to skin. Classification based on data available for ingredients. Causes serious eye irritation. May cause sensitization by skin contact. No information available. |
|---|--|
| Reproductive toxicity | No information available. |
| STOT - single exposure STOT - repeated exposure Aspiration hazard | May cause respiratory irritation. May cause drowsiness or dizziness. No information available. No information available. |
| Other adverse effects | No information available. |
| Interactive effects | No information available. |

12. Ecological information

| Ecotoxicity Toxic to aquatic life with long lasting effects. | | | | |
|--|----------------------|--|-------------------------------|-----------|
| Chemical name | Algae/aquatic plants | Fish | Toxicity to microorganisms | Crustacea |
| Benzophenone-3 131-57-7 | - | LC50: =3.8mg/L (96h, Oryzias latipes) | - | - |
| Persistence and degrada Bioaccumulation | | on available. odegradable. | | |
| Other adverse effects | No informati | on available. | | |

13. Disposal considerations

Waste treatment methods

| Waste from residues/unused products | Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation. |
|--|---|
| Contaminated packaging | Do not reuse empty containers. |

14. Transport information

| DOT | not regulated |
|------------|---------------|
| TDG | not regulated |
| MEX | not regulated |
| ICAO (air) | not regulated |
| IATA | not regulated |
| IMDG | not regulated |

| RID | not regulated |
|-----|---------------|
| ADR | not regulated |
| ADN | not regulated |

15. Regulatory information

International Inventories

TSCA

Complies

| DSL/NDSL | Complies |
|---------------|--|
| EINECS/ELINCS | Complies |
| ENCS | This product complies with ENCS: |
| IECSC | This product complies with China: |
| KECL | Complies |
| PICCS | Complies |
| AICS | All the constituents of this material are listed on the Australian Inventory of Chemical |
| PICCS | Complies |

Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

ENCS - Japan Existing and New Chemical Substances

IECSC - China Inventory of Existing Chemical Substances

KECL - Korean Existing and Evaluated Chemical Substances

PICCS - Philippines Inventory of Chemicals and Chemical Substances

US Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

SARA 311/312 Hazard Categories

Should this product meet EPCRA 311/312 Tier reporting criteria at 40 CFR 370, refer to Section 2 of this SDS for appropriate classifications.

CWA (Clean Water Act)

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

US State Regulations

California Proposition 65

This product does not contain any Proposition 65 chemicals.

U.S. State Right-to-Know Regulations

This product does not contain any substances regulated under applicable state right-to-know regulations

U.S. EPA Label Information

EPA Pesticide Registration Number Not applicable

16. Other information

| <u>NFPA</u> Health hazards Flammability 1 Instability 0 Physical and che <u>HMIS</u> Health hazards Flammability 1 Physical hazards Personal protect | mical properties - 2 5 0 | | |
|---|---|---|--|
| | abbreviations and acronyms used in the sa | | <u>. </u> |
| TWA Ceiling | 8: EXPOSURE CONTROLS/PERSONAL PRO TWA (time-weighted average) Maximum limit value | STEL | STEL (Short Term Exposure Limit) |
| Agency for Toxic S U.S. Environments European Food Si EPA (Environment Acute Exposure G U.S. Environments Food Research Jo Hazardous Substa International Unifo Japan GHS Class Australia National NIOSH (National I National Library of National Library of National Toxicolog New Zealand's Ch Organization for E | Ince Database rm Chemical Information Database (IUCLID) fication Industrial Chemicals Notification and Assessm nstitute for Occupational Safety and Health) Medicine's ChemID Plus (NLM CIP) Medicine's PubMed database (NLM PUBMEI gy Program (NTP) memical Classification and Information Databas conomic Co-operation and Development Envir conomic Co-operation and Development High conomic Co-operation and Development Scre | picide, and Roder Chemicals nent Scheme (NI D) re (CCID) ronment, Health, Production Volu | CNAS) and Safety Publications me Chemicals Program |
| Revision date Revision Note | 23-April-2020 No information available. | | |

Revision Note Disclaimer

No information available.

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet