## SECTION 1. IDENTIFICATION

| | |
|---|---|
| **Identification of the company:** | Clariant Corporation<br>4000 Monroe Road<br>Charlotte, NC, 28205<br>Telephone No.: +1 704 331 7000<br><br>**Information of the substance/preparation:**<br>BU Functional Minerals<br>Product Stewardship, +1-704-331-7710<br><br>**Emergency tel. number:** +1 800-424-9300 CHEMTREC |

| | |
|---|---|
| **Trade name:** | **PKT, OXY-GUARD™, 50CC, 5K/Carton** |
| **Material number:** | 269299 |
| **Chemical family:** | Desiccant |
| **Primary product use:** | Desiccant |

## SECTION 2. HAZARDS IDENTIFICATION

**GHS Classification**

Eye irritation : Category 2B

Skin sensitisation : Category 1

**GHS Label element**

Hazard pictograms :

Signal word : Warning

Hazard statements : H317 May cause an allergic skin reaction.
H320 Causes eye irritation.

Precautionary statements : **Prevention:**
P261 Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.
P264 Wash skin thoroughly after handling.
P272 Contaminated work clothing should not be allowed out of the workplace.
P280 Wear protective gloves.
**Response:**
P302 + P352 IF ON SKIN: Wash with plenty of soap and water.
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P333 + P313 If skin irritation or rash occurs: Get medical advice/

attention.
P337 + P313 If eye irritation persists: Get medical advice/ attention.
P363 Wash contaminated clothing before reuse.
**Disposal:**
P501 Dispose of contents/ container to an approved waste disposal plant.

**Other hazards**
None known.

## SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical nature • Desiccant

**Hazardous components**

| Chemical Name | CAS-No. | Concentration (%) |
|---|---|---|
| Iron | 7439-89-6 | > 1 |
| Activated carbon | 7440-44-0 | > 1 |
| Silica, Amorphous | 61790-53-2 | > 1 |

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

## SECTION 4. FIRST AID MEASURES

If inhaled : Remove person to fresh air. If signs/symptoms continue, get medical attention.

In case of skin contact : Wash area with mild soap and copious amounts of water.

In case of eye contact : Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.
Remove contact lenses, if present and easy to do. Continue rinsing.
Call a POISON CENTER or doctor/ physician.

If swallowed : Call your local Poison Control Center (In the U.S. call 1-800-222-1222).

Most important symptoms and effects, both acute and delayed : The possible symptoms known are those derived from the labelling (see section 2).
No additional symptoms are known.

Notes to physician : This product contains elemental iron. Follow treatment protocol for elemental iron ingestion.

## SECTION 5. FIREFIGHTING MEASURES

| | | |
|---|---|---|
| Suitable extinguishing media | : | Foam<br>Carbon dioxide (CO2) |
| Unsuitable extinguishing media | : | High volume water jet |
| Specific hazards during firefighting | : | Iron powder is pyrophoric.<br><br>Keep away sources of ignition. |
| Hazardous combustion products | : | No hazardous combustion products are known |
| Further information | : | Treat as metal/metal oxide fire.<br>Wear full protective clothing and self-contained breathing apparatus. |
| Special protective equipment for firefighters | : | Wear an approved positive pressure self-contained breathing apparatus in addition to standard fire fighting gear. |

## SECTION 6. ACCIDENTAL RELEASE MEASURES

| | | |
|---|---|---|
| Personal precautions, protective equipment and emergency procedures | : | Vacuum or scoop up material and place in a dry container. Cover tightly.<br>Do not use compressed air for cleaning purposes. |

## SECTION 7. HANDLING AND STORAGE

| | | |
|---|---|---|
| Advice on safe handling | : | Store in a cool, dry location away from oxidizing agents. Keep containers tightly closed when not in use. Store away from low flashpoint materials.<br>Keep away from heat.<br>Keep away from flames and sparks. |

## SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Components with workplace control parameters**

| Components | CAS-No. | Value type (Form of exposure) | Control parameters / Permissible concentration | Basis |
|---|---|---|---|---|
| Silica, Amorphous | 61790-53-2 | TWA | 6 mg/m3 | OSHA P0 |
| | | TWA | 20 Million particles per cubic foot | OSHA Z-3 |
| | Further information: Millions of particles per cubic foot of air, based on impinger samples counted by light-field techniques., mppcf X 35.3 = million particles per cubic meter = particles per c.c | | | |

| | | | | |
|---|---|---|---|---|
| | | TWA | 80 mg/m3 / %SiO2 | OSHA Z-3 |
| | | TWA (Dust) | 20 Million particles per cubic foot | OSHA Z-3 |
| | Further information: Millions of particles per cubic foot of air, based on impinger samples counted by light-field techniques., mppcf X 35.3 = million particles per cubic meter = particles per c.c | | | |
| | | TWA (Dust) | 80 mg/m3 / %SiO2 | OSHA Z-3 |
| | | TWA (Dust) | 20 Million particles per cubic foot (Silica) | OSHA Z-3 |
| | Further information: Millions of particles per cubic foot of air, based on impinger samples counted by light-field techniques., mppcf X 35.3 = million particles per cubic meter = particles per c.c | | | |
| | | TWA (Dust) | 80 mg/m3 / %SiO2 (Silica) | OSHA Z-3 |

All inert or nuisance dusts, whether mineral, inorganic, or organic, not listed specifically by substance name are covered by the Particulates Not Otherwise Regulated (PNOR) limit which is 5 mg/m3 for
respirable fraction and 15 mg/m3 for total dust. ACGIH exposure guidelines of less than 3 mg/m3 (respirable)
and 10 mg/m3 (inhalable) have been established for particles (insoluble/poorly soluble) not otherwise
specified (PNOS).

**Engineering measures** : Use local exhaust if dusting occurs. Good general ventaliation is adequate in the absence of dusts.

**Personal protective equipment**

Respiratory protection : When used and handled appropriately no special measures are needed

Hand protection
Remarks : Wear protective gloves.

Eye protection : Follow facility guidelines in the absence of dusts.

Skin and body protection : The choice of skin protection should be based on the job activity and potential for exposure to the skin.

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : solid

Colour : not specified

| | | |
|---|---|---|
| Odour | : | none |
| Odour Threshold | : | not determined |
| pH | : | not available |
| Melting point | : | not determined |
| Boiling point | : | not determined |
| Flash point | : | Not applicable |
| Evaporation rate | : | Not applicable |
| Flammability (solid, gas) | : | not determined |
| Upper explosion limit | : | Not applicable |
| Lower explosion limit | : | Not applicable |
| Vapour pressure | : | Not applicable |
| Relative vapour density | : | Not applicable |
| Density | : | not determined |
| Solubility(ies) | | |
| Water solubility | : | insoluble |
| Partition coefficient: n-octanol/water | : | not determined |
| Auto-ignition temperature | : | not determined |
| Decomposition temperature | : | not tested. |
| Viscosity | | |
| Viscosity, dynamic | : | Not applicable |
| Viscosity, kinematic | : | Not applicable |

## SECTION 10. STABILITY AND REACTIVITY

| | | |
|---|---|---|
| Reactivity | : | No dangerous reaction known under conditions of normal use. |
| Chemical stability | : | No decomposition if stored and applied as directed. |
| Possibility of hazardous reactions | : | No dangerous reaction known under conditions of normal use. Stable |
| Conditions to avoid | : | Exposure to moisture |

| | | |
|---|---|---|
| Incompatible materials | : | no data available |
| Hazardous decomposition products | : | No decomposition if stored and applied as directed. |

## SECTION 11. TOXICOLOGICAL INFORMATION

**Information on likely routes of exposure**
None known.

**Acute toxicity**

**Product:**

| | | |
|---|---|---|
| Acute oral toxicity | : | (Rat): > 5,000 mg/kg<br>Method: OECD Test Guideline 401<br>Remarks: The product has not been tested. The information is derived from the properties of the individual components.<br><br>Acute toxicity estimate: > 5,000 mg/kg<br>Method: Calculation method |
| Acute inhalation toxicity | : | (Rat): > 64.4 mg/l<br>Exposure time: 1 h<br>Method: OECD Test Guideline 403<br>Remarks: The product has not been tested. The information is derived from the properties of the individual components. |
| Acute dermal toxicity | : | Remarks: not tested. |

**Components:**

**Iron:**

| | | |
|---|---|---|
| Acute oral toxicity | : | LD50: 7,500 mg/kg<br>Remarks: Based on available data, the classification criteria are not met. |

**Activated carbon:**

| | | |
|---|---|---|
| Acute oral toxicity | : | Remarks: Test data for the substance are not available. |

**Skin corrosion/irritation**

**Product:**
Remarks: not tested.

**Components:**
**Iron:**
Remarks: Based on available data, the classification criteria are not met.

**Serious eye damage/eye irritation**

**Product:**
Remarks: not tested.

**Components:**

**Iron:**
Remarks: According to the classification criteria of the European Union, the product is not considered as being an eye irritant.

**Respiratory or skin sensitisation**

**Product:**
Remarks: not tested.

**Components:**

**Iron:**
Result: non-sensitizing

**Carcinogenicity**

| | |
|---|---|
| **IARC** | Not listed |
| **OSHA** | Not listed |
| **NTP** | Not listed |

**Experience with human exposure**

**Product:**

General Information : The possible symptoms known are those derived from the labelling (see section 2).

## SECTION 12. ECOLOGICAL INFORMATION

**Ecotoxicity**

**Components:**

**Activated carbon:**
Toxicity to fish : Remarks: Test data for the substance are not available.

**Persistence and degradability**

**Product:**

Biodegradability : Remarks: not tested.

**Components:**

**Iron:**
Biodegradability : Remarks: The methods for determining biodegradability are not applicable to inorganic substances.

**Activated carbon:**
Biodegradability : Remarks: The methods for determining biodegradability are

not applicable to inorganic substances.

**Bioaccumulative potential**

**Components:**

**Iron:**

Bioaccumulation : Remarks: Bioaccumulation is unlikely.

**Activated carbon:**

Bioaccumulation : Remarks: Test data for the substance are not available.

**Mobility in soil**

**Components:**

**Iron:**

Distribution among environmental compartments : Remarks: Not applicable

**Activated carbon:**

Distribution among environmental compartments : Remarks: Test data for the substance are not available.

**Other adverse effects**

**Components:**

**Iron:**

Results of PBT and vPvB assessment : Remarks: Not relevant for inorganic substances

Additional ecological information : none

**Components:**

**Activated carbon:**

Results of PBT and vPvB assessment : Remarks: Not relevant for inorganic substances

Additional ecological information : none

## SECTION 13. DISPOSAL CONSIDERATIONS

**Disposal methods**

RCRA - Resource Conservation and Recovery Authorization Act : No -- Not as sold.

Waste from residues : This product, if discarded as sold, is not a Federal RCRA hazardous waste. Processing, use or contamination of this product may change the waste management options. State and local disposal regulations may differ from federal disposal

regulations.

## SECTION 14. TRANSPORT INFORMATION

| | |
|---|---|
| **DOT** | not restricted |
| **IATA** | not restricted |
| **IMDG** | not restricted |

## SECTION 15. REGULATORY INFORMATION

**EPCRA - Emergency Planning and Community Right-to-Know Act**

**CERCLA Reportable Quantity**

This material does not contain any components with a CERCLA RQ.

**SARA 304 Extremely Hazardous Substances Reportable Quantity**

This material does not contain any components with a section 304 EHS RQ.

**SARA 311/312 Hazards** : No SARA Hazards

**SARA 313** : This product is not subject to SARA Title III Section 313 reporting requirements under 40 CFR 372.

**The components of this product are reported in the following inventories:**

TSCA : On TSCA Inventory

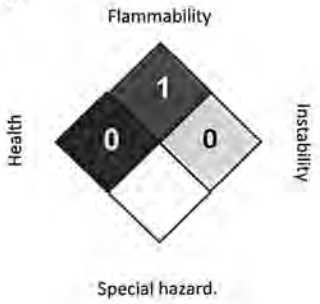
**Inventories**

AICS (Australia), DSL (Canada), IECSC (China), REACH (European Union), ENCS (Japan), ISHL (Japan), KECI (Korea), NZIoC (New Zealand), PICCS (Philippines), TCSI (Taiwan), TSCA (USA)

## SECTION 16. OTHER INFORMATION

**Further information**

**NFPA:**

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