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|----------------|--|-----------------------------|--|--|--|
| SECTIO | N 1. IDENTIFICATION | | | | |
| Proc | luct name | : PIGMENT (| Organic RED 8880836R | | |
| Proc | duct code | : 000000000 | 056586869 00000000056586869 | | |
| | nufacturer or supplier's apany name of supplier | | ders-Construction Systems | | |
| Add | ress | | 23700 CHAGRIN BLVD Beachwood OH 44122 | | |
| Eme | ergency telephone | : ChemTel: + | ChemTel: +1-813-248-0585 | | |
| | ommended use of the o ommended use | | strictions on use construction chemicals | | |
| Res | trictions on use | : Reserved for | or industrial and professional use. | | |
| | | | | | |

SECTION 2. HAZARDS IDENTIFICATION

| GHS classification in accordance with 29 CFR 1910.1200 Germ cell mutagenicity : Category 1B | | | | | | | |
|--|---|---|--|--|--|--|--|
| Carcinogenicity | : | Category 1B | | | | | |
| Specific target organ toxicity - repeated exposure | : | Category 2 (Kidney) | | | | | |
| GHS label elements Hazard pictograms | : | | | | | | |
| Signal Word | : | Danger | | | | | |
| Hazard Statements | : | H350 May cause cancer. H340 May cause genetic defects. H373 May cause damage to organs (Kidney) through prolonged or repeated exposure. | | | | | |
| Precautionary Statements | : | Prevention: P280 Wear protective gloves/ protective clothing/ eye protection/ face protection. P201 Obtain special instructions before use. P202 Do not handle until all safety precautions have been read and understood. | | | | | |

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| | | P260 Do not br | reathe dust or mist. | | | |
| | | Response: | | | | |
| | | P308 + P311 II CENTER/ doct | F exposed or concerned: Call a POISON or. | | | |
| | | Storage: | | | | |
| | | P405 Store loc | ked up. | | | |
| | | Disposal: | | | | |
| | | | P501 Dispose of contents/container to appropriate hazardous waste collection point. | | | |
| Othe | r hazards | | | | | |
| No da | ata available. | | | | | |
| SECTION | 3. COMPOSITION/IN | IFORMATION ON ING | REDIENTS | | | |
| Chem | nical nature | : No data availal | ble. | | | |

Components

| Chemical name | CAS-No. | Concentration (% w/w) |
|-------------------|------------|-----------------------|
| ethyleneglycol | 107-21-1 | >= 25 - < 50 |
| Diethylene glycol | 111-46-6 | >= 10 - < 15 |
| Stoddard solvent | 8052-41-3 | >= 1 - < 3 |
| talc | 14807-96-6 | >= 25 - < 50 |

SECTION 4. FIRST AID MEASURES

| General advice | : | First aid personnel should pay attention to their own safety. If the patient is likely to become unconscious, place and transport in stable sideways position (recovery position). Immediately remove contaminated clothing. Move out of dangerous area. Show this material safety data sheet to the doctor in attend- ance. Do not leave the victim unattended. |
|-------------------------|---|---|
| If inhaled | : | Keep patient calm, remove to fresh air, seek medical atten- tion. |
| | | If unconscious, place in recovery position and seek medical advice. If symptoms persist, call a physician. |
| In case of skin contact | : | Immediately wash thoroughly with soap and water, seek med- ical attention. |
| In case of eye contact | : | Wash affected eyes for at least 15 minutes under running water with eyelids held open. |
| | | Flush eyes with water as a precaution. Remove contact lenses. |

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| | | | rmed eye. de open while rinsing. n persists, consult a specialist. | | | |
| lf sw | allowed | | Immediately rinse mouth and then drink 200-300 ml of water, seek medical attention. | | | |
| | | Keep respira Do not give r Never give a If symptoms | Induce vomiting immediately and call a physician. Keep respiratory tract clear. Do not give milk or alcoholic beverages. Never give anything by mouth to an unconscious person. If symptoms persist, call a physician. Take victim immediately to hospital. | | | |
| | t important symptoms effects, both acute and yed | : May cause g May cause c | enetic defects. ancer. | | | |
| Note | es to physician | : Treat sympto | omatically. | | | |

SECTION 5. FIRE-FIGHTING MEASURES

| Suitable extinguishing media | : | Water spray Foam Dry powder Carbon dioxide (CO2) |
|--|---|---|
| Unsuitable extinguishing media | : | High volume water jet |
| Specific hazards during fire fighting | : | Do not allow run-off from fire fighting to enter drains or water courses. |
| Further information | : | Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. |
| Special protective equipment for fire-fighters | : | Wear self-contained breathing apparatus for firefighting if nec- essary. |

SECTION 6. ACCIDENTAL RELEASE MEASURES

| Personal precautions, protec- tive equipment and emer- gency procedures | : | Use personal protective equipment. Avoid dust formation. Avoid breathing dust. |
|---|---|--|
| Environmental precautions | : | Prevent product from entering drains. Prevent further leakage or spillage if safe to do so. If the product contaminates rivers and lakes or drains inform respective authorities. |
| Methods and materials for | : | Keep in suitable, closed containers for disposal. |

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|---------------|---|----------------------------------|---|--|--|--|--|--|--|
| C | containment and cleaning up | | | | | | | | |
| SECT | SECTION 7. HANDLING AND STORAGE | | | | | | | | |
| | Advice on protection against fire and explosion | | : | Avoid dust formation. Provide appropriate exhaust ventilation at places where c is formed. | | | | | |
| ŀ | Advice on safe handling | | : | Avoid formation of respirable particles. Do not breathe vapors/dust. Avoid exposure - obtain special instructions before use. Avoid contact with skin and eyes. For personal protection see section 8. Smoking, eating and drinking should be prohibited in the plication area. Dispose of rinse water in accordance with local and natio regulations. | | | | | |
| C | Conditions for safe storage | | : | Keep container tightly closed in a dry and well-ventilated place. Observe label precautions. Electrical installations / working materials must comply w the technological safety standards. | | | | | |
| | Further age cor | information on stor- iditions | : | | priginal container in a cool, dry, well- way from ignition sources, heat or flame. t sunlight. | | | | |
| Ν | Materia | ls to avoid | : | No applicable info | ormation available. | | | | |
| | Further age stal | information on stor- bility | : | No data available | | | | | |

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Ingredients with workplace control parameters

| Components | CAS-No. | Value type (Form of exposure) | Control parame- ters / Permissible concentration | Basis |
|----------------|----------|--|--|----------|
| ethyleneglycol | 107-21-1 | TWA value (Vapor frac- tion) | 25 ppm | ACGIHTLV |
| | | STEL value (Vapor frac- tion) | 50 ppm | ACGIHTLV |
| | | STEL value (Aerosol, inhalable.) | 10 mg/m3 | ACGIHTLV |
| | | TWA (Vapor) | 25 ppm | ACGIH |
| | | STEL (Va- por) | 50 ppm | ACGIH |
| | | STEL (Inhal- | 10 mg/m3 | ACGIH |

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|--------|---------------------------|--|---|--|---------------------------------|--|--|--|
| | | | able freation | ĺ | 1 | | | |
| | | | able fraction, Aerosol only) | | | | | |
| | | | C | 50 ppm 125 mg/m3 | OSHA PO | | | |
| Stodda | ard solvent | 8052-41-3 | TWA value | 100 ppm | ACGIHTL | | | |
| | | | REL value | 350 mg/m3 | NIOSH | | | |
| | | | Ceil_Time | 1,800 mg/m3 | NIOSH | | | |
| | | | PEL | 500 ppm 2,900 mg/m3 | 29 CFR 1910.100 (Table Z- | | | |
| | | | TWA value | 100 ppm 525 mg/m3 | 29 CFR 1910.100 (Table Z- | | | |
| | | | TWA | 100 ppm | ACGIH | | | |
| | | | TWA | 350 mg/m3 | NIOSH R | | | |
| | | | С | 1,800 mg/m3 | NIOSH R | | | |
| | | | TWA | 500 ppm 2,900 mg/m3 | OSHA Z-' | | | |
| | | | TWA | 100 ppm 525 mg/m3 | OSHA P0 | | | |
| talc | | 14807-96-6 | TWA value (Respirable fraction) | 2 mg/m3 | ACGIHTL | | | |
| | | | TWA (Dust) | 20 Million parti- cles per cubic foot | OSHA Z-3 | | | |
| | | | TWA (respir- able dust fraction) | 2 mg/m3 | OSHA P0 | | | |
| | | | TWA (Res- pirable) | 2 mg/m3 | NIOSH R | | | |
| | | | TWA | 0.1 fibres per cubic centimeter | ACGIH | | | |
| | | | TWA (Res- pirable par- ticulate mat- ter) | 2 mg/m3 | ACGIH | | | |
| Engin | eering measures | : No applicabl | e information ava | ilable. | | | | |
| Perso | nal protective equip | ment | | | | | | |
| Respir | atory protection | : Wear respire | atory protection if | ventilation is inadequ | iate. | | | |
| Hand | protection | | | | | | | |
| Re | marks | : The suitability for a specific workplace should be discussion with the producers of the protective gloves. | | | | | | |
| Eye pı | rotection | | : Eye wash bottle with pure water Tightly fitting safety goggles | | | | | |
| Skin a | nd body protection | | : Choose body protection according to the amount and con- centration of the dangerous substance at the work place. | | | | | |
| | tive measures | | e gases/vapours/ | | | | | |

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|-------------|-----------------|---|-----|--|--|--|
| | | | | Avoid exposure - Handle in accorda and safety practic Wearing of closed | work clothing is recommended. | |
| | Hygiene | e measures | : | When using do not eat or drink. When using do not smoke. Wash hands before breaks and at the end of workday. | | |
| SEC | TION 9 | . PHYSICAL AND CHI | EMI | | S | |
| | Appear | ance | : | paste | | |
| | Color | | : | red | | |
| | Odor | | : | of glycol | | |
| | Odor TI | hreshold | : | No data available | e | |
| | рН | | : | approx. 8.7 | | |
| | Melting | point | : | No applicable inf | ormation available. | |
| | boiling | temperature | : | approx. 212 °F / | 100 °C | |
| | Flash p | oint | : | No data available | 9. | |
| | Evapora | ation rate | : | No applicable inf | ormation available. | |
| | Flamma | ability (solid, gas) | : | not determined | | |
| | | explosion limit / Upper bility limit | : | No applicable inf | ormation available. | |
| | | explosion limit / Lower bility limit | : | No applicable inf | ormation available. | |
| | Vapor p | pressure | : | No data available | 9. | |
| | Relative | e vapor density | : | No applicable inf | ormation available. | |
| | Relative | e density | : | 1.3 | | |
| | Density | , | : | 1.3 g/cm3 | | |
| | Bulk de | nsity | : | 900 - 1,600 kg/m | 3 | |
| | Solubili Wat | ty(ies) er solubility | : | dispersible | | |

SAFETY DATA SHEET

PIGMENT Organic RED 8880836R

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|--|-----------------------------|--|--|--|
| Solubility in other solvents | : No applicable i | nformation available. | | |
| Partition coefficient: n- octanol/water | : No data availa | No data available. | | |
| Autoignition temperature | : No applicable i | nformation available. | | |
| Decomposition temperature | : No applicable i | No applicable information available. | | |
| Viscosity Viscosity, dynamic : No applicable information available. | | nformation available. | | |
| Viscosity, kinematic | : No applicable i | nformation available. | | |
| Explosive properties : Not explosive Not explosive | | | | |
| Oxidizing properties | : not fire-propag | ating | | |
| Self-heating substances | : No data availa | ble | | |
| Sublimation point | : No applicable i | nformation available. | | |
| Molecular weight | : No data availa | ble | | |

SECTION 10. STABILITY AND REACTIVITY

| Reactivity | : | No decomposition if stored and applied as directed. |
|---|---|--|
| Chemical stability | : | No decomposition if stored and applied as directed. |
| Possibility of hazardous reac- tions | : | No decomposition if stored and applied as directed. |
| Conditions to avoid | : | See SDS section 7 - Handling and storage. |
| Incompatible materials | : | Strong acids Strong bases Strong oxidizing agents Strong reducing agents |
| Hazardous decomposition products | : | No hazardous decomposition products if stored and handled as prescribed/indicated. |

SECTION 11. TOXICOLOGICAL INFORMATION

Acute toxicity

Not classified based on available information.

Product:

Acute oral toxicity : Remarks: No data available.

SAFETY DATA SHEET

PIGMENT Organic RED 8880836R

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|---|--|-----------------------------|--|--|--|
| Acute inhalation toxicity | | : Remarks: No da | ta available. | | |
| Acute | e dermal toxicity | : Remarks: No da | Remarks: No data available. | | |
| - | corrosion/irritation | ilable information. | | | |
| Seric | ous eye damage/eye i | rritation | | | |
| Not c | lassified based on ava | ilable information. | | | |
| Resp | piratory or skin sensit | ization | | | |
| - | sensitization lassified based on ava | ilable information. | | | |
| Respiratory sensitization Not classified based on available information. | | | | | |
| | Germ cell mutagenicity May cause genetic defects. | | | | |
| | inogenicity cause cancer. | | | | |
| • | oductive toxicity lassified based on ava | ilable information. | | | |
| | STOT-single exposure Not classified based on available information. | | | | |
| | STOT-repeated exposure | | | | |
| | Not classified based on available information. | | | | |
| Aspi | Aspiration toxicity | | | | |
| Not c | Not classified based on available information. | | | | |
| Furth | ner information | | | | |
| Prod | uct: | | | | |
| Rema | | | not been tested. The statement has been properties of the individual components. | | |
| Rema | arks | : No data availab | e | | |

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity No data available Persistence and degradability No data available

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|-----------------|---------------------------------|-----------------------------|---|
| Bioad | ccumulative potential | | |
| <u>Com</u> | ponents: | | |
| ethyl | eneglycol: | | |
| | ion coefficient: n- ol/water | Method: Cal GLP: no dat | prox1.36 (73 °F / 23 °C) culation Hansch/Leo a formation taken from reference works and the |
| Stode | dard solvent: | | |
| | ion coefficient: n- ol/water | | 5 - 6.4 (68 °F / 20 °C) tition coefficient (n-octanol/water), HPLC metho |
| talc: | | | |
| | ion coefficient: n- ol/water | : Remarks: no | ot applicable |
| Mobi | lity in soil | | |
| No da | ata available | | |
| Othe | r adverse effects | | |
| Prod | uct: | | |
| Additi matio | ional ecological infor- n | harmful to a The product | igh probability that the product is not acutely quatic organisms. has not been tested. The statements on ecoto- been derived from the properties of the individu |

SECTION 13. DISPOSAL CONSIDERATIONS

| Disposal methods | | |
|------------------------|--|--------------|
| Waste from residues | Do not contaminate ponds, waterways or ditches w cal or used container. Dispose of in accordance with national, state and lo tions. Do not discharge into drains/surface waters/ground | ocal regula- |
| Contaminated packaging | Contaminated packaging should be emptied as far and disposed of in the same manner as the sub- stance/product. | as possible |

SECTION 14. TRANSPORT INFORMATION

International Regulations

UNRTDG

Not regulated as a dangerous good

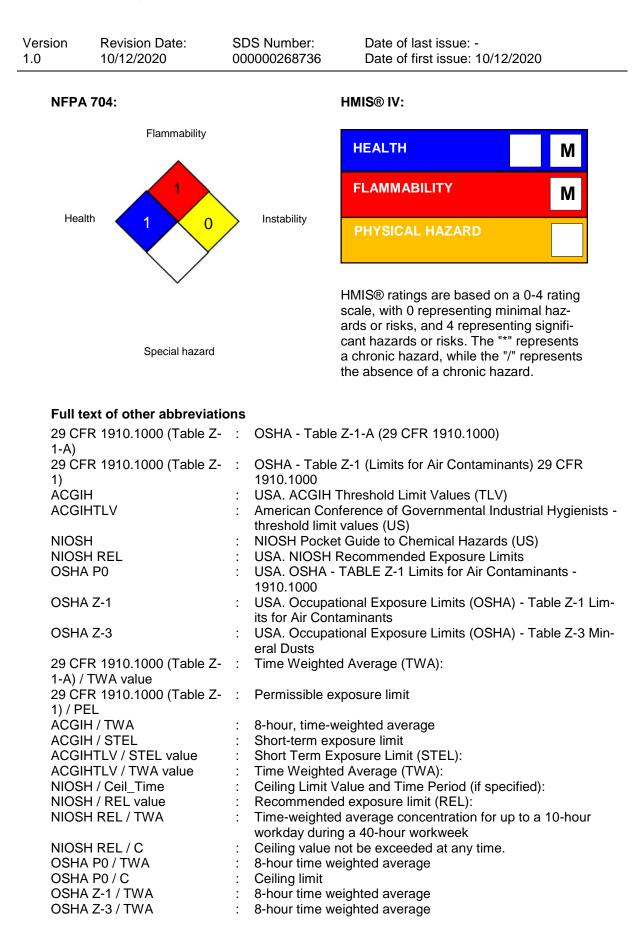
| ersion .0 | Revision Date: 10/12/2020 | SDS Number: 000000268736 | Date of last issue: - Date of first issue: 10/12/2020 |
|--|--|-----------------------------|---|
| IATA Not re | DGR egulated as a dangerou | s good | |
| | -Code egulated as a dangerou | s good | |
| | sport in bulk according | - | RPOL 73/78 and the IBC Code |
| Dome | estic regulation | | |
| 49 CF Not re | -R egulated as a dangerou | s good | |
| ECTION | 15. REGULATORY INI | FORMATION | |
| SARA 313 : The following components are subject to reporting tablished by SARA Title III, Section 313: | | | |
| | | | |
| | | ethyleneglycol | 107-21-1 |
| US S | tate Regulations | ethyleneglycol | 107-21-1 |
| | tate Regulations sylvania Right To Kno | | 107-21-1 |
| | - | | 107-21-1 8052-41-3 107-21-1 14807-96-6 111-46-6 |
| Penn | sylvania Right To Kno Stoddard solvent ethyleneglycol talc Diethylene glycol | ow. | 8052-41-3 107-21-1 14807-96-6 |
| Penn | sylvania Right To Kno Stoddard solvent ethyleneglycol talc Diethylene glycol listed | ow / | 8052-41-3 107-21-1 14807-96-6 |

The ingredients of this product are reported in the following inventories:

TSCA : On the inventory, or in compliance with the inventory

SECTION 16. OTHER INFORMATION

Further information



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AICS - Australian Inventory of Chemical Substances; ASTM - American Society for the Testing of Materials; bw - Body weight; CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DOT - Department of Transportation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; EHS - Extremely Hazardous Substance; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; HMIS - Hazardous Materials Identification System; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI -Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; MSHA - Mine Safety and Health Administration; n.o.s. - Not Otherwise Specified; NFPA - National Fire Protection Association; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; RCRA - Resource Conservation and Recovery Act; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RQ Reportable Quantity; SADT - Self-Accelerating Decomposition Temperature; SARA - Superfund Amendments and Reauthorization Act; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB -Very Persistent and Very Bioaccumulative

Revision Date

: 10/12/2020

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