**Dispersant FC-F20L**

**Chemical Safety Data Sheet**

**Section 1: Identification of the chemical and of the company/undertaking**

**Chinese name of chemical:** Dispersant FC-F20L

**English name of chemicals:** Dispersant

**Product code:** FC-F20L

**Recommended and restricted use of the product:** Used to improve the rheological properties of cement slurry.

**Section 2: Hazard Overview**

**GHS hazard category:** According to the series of standards for classification, warning label and warning description of chemicals (refer to section 15), The product is not classified.

**Physical and chemical hazards:** This product is incombustible.

**Health hazard:** Eye contact can cause mild eye irritation. Skin contact can cause slight skin irritation. Inhalation causes respiratory tract irritation.

**Environmental hazards:** No data available.

**Section 3: Composition/information on ingredients**

|  |  |  |
| --- | --- | --- |
| Substance | √ Mixture |  |
| **Dangerous components** | **Concentration or concentration range** | **CAS No.**  |
| Polycarboxylic acid polymer | 15% |  |
| Water  | 85% |  |

**Section 4: First aid measures**

**First aid:**

**Skin contact:** Take off contaminated clothes immediately and wash with plenty of flowing water. If irritation occurs, seek medical advice.

**Eye contact:** Lift the eyelids and wash them with flowing clean water or normal saline for several minutes. If irritation persists, seek medical attention.

**Inhalation:** Leave the site to a place with fresh air and rest in a position suitable for breathing. If you feel unwell, consult a doctor.

**Ingestion:** Rinse mouth. drink water. If you feel unwell, consult a doctor.

**Section 5: Firefighting measures**

**Special hazard:** This product is not flammable

**Extinguishing method and extinguishing agent**: Use fog water, foam, carbon dioxide and sand to extinguish the fire.

**Precautions and measures for fire fighting:** Firefighters must wear positive pressure self-contained breathing apparatus and overall fire fighting clothes to extinguish the fire in the upwind direction. Move containers from the fire site to an open place as much as possible. Spray water to keep containers at the fire site cool until the fire is extinguished.

**Section 6: Accidental release measures**

**Protective measures, protective equipment and emergency disposal procedures for operators:** Quickly evacuate the personnel in the contaminated area to the safe area and restrict access. Eliminate all sources of ignition. It is recommended that emergency treatment personnel wear respirators, safety goggles, rubber gloves, and protective clothing for general operations. Avoid contact with leakage. Cut off the source of leakage as much as possible.

**Environmental protection measures:** Prevent leakage to water bodies, sewers and confined spaces.

**The methods of receiving and removing leaked chemicals and the disposal materials:** In case of small spillage, absorb it with sand or other inert materials and collect it in appropriate containers for disposal. In case of large spillage, build a dike or dig a pit to receive. Transfer to the container or special collector with a pump, and recycle or transport to the waste disposal site for disposal.

**Section 7: Handling and storage**

**Precautions for operation:** prevent physical damage to the packaging. Since there is inevitably a small amount of residues in the discarded packaging after the product is used, the used materials, containers and packaging bags are harmful. Please refer to the relevant warnings and preventive measures for the hazards to the product.

**Storage precautions:** The warehouse where this product is stored must be ventilated, dry and clean. During storage and transportation, it is not allowed to mix with harmful substances and shall prevent sunshine and rain. There must be covers during transportation.

**Section 8: Exposure Control/Personal Protection**

**Exposure limit:** No standard is formulated.

**Biological limit:** No data available.

**Monitoring method:** No data available.

**Engineering control:** The production process is sealed, with local and comprehensive ventilation and exhaust. Provide safety shower and eyewash equipment.

**Respiratory system protection:** If the concentration in the air exceeds the standard, it is recommended to wear a self-priming filter type gas mask (half mask).

**Eye protection:** Wear safety goggles.

**Skin and body protection:** Wear general work protective clothing.

**Hand protection:** Wear rubber gloves.

**Section 9: Physical and Chemical Properties**

|  |  |
| --- | --- |
| **Appearance and properties:** Colorless to light red liquid. | **Odor:** No special odor. |
| **PH value (indicated concentration)**: 6-7 | **Melting point/freezing point (℃):** No data available |
| **Boiling point, initial boiling point and boiling range (℃):** No data available | **Density:** No data available |
| **Relative vapor density (air=1):** No data available | **Relative density (water=1):** 1.05±0.05 |
| **Combustion heat (kJ/mol):** No data available | **Saturated vapor pressure (kPa):** No data available |
| **Critical pressure (MPa):** No data available | **Critical temperature (℃):** No data available |
| **Flash point (℃):** Not applicable | **n-octanol/water partition coefficient:** no data available |
| **Decomposition temperature (℃):** No data available | **Ignition temperature (℃):** No data available |
| **Lower explosive limit [% (V/V)]:** Not applicable | **Upper explosive limit [% (V/V)]:** Not applicable |
| **Odour threshold:** No data available | **Evaporation rate:** No data available |
| **Flammability:** Non flammable |  |
| **Solubility:** Easily soluble in water |  |

**Section 10: Stability and Reactivity**

**Stability:** Stable under normal conditions.

**Forbidden compound:** Strong oxidants.

**Conditions to avoid:** High heat.

**Hazardous reaction:** None.

**Hazardous decomposition products:** None

**Section 11: Toxicological information**

**Acute toxicity:** under general occupational contact and exposure, there is no experimental data of LD50 and LC50.

**Skin irritation or corrosion:** No data available.

**Eye irritation or corrosion:** No chronic toxicity is found to the eyes.

**Respiratory or skin allergy:** Irritating.

**Germ cell mutagenicity:** No data available.

**Carcinogenicity**: No data available.

**Reproductive toxicity**: No data available.

**Specific target organ systemic toxicity - single exposure:** No data available.

**Specific target organ systemic toxicity - repeated exposure:** No data available.

**Inhalation hazard:** No data available.

**Section 12: Ecological information**

**Ecotoxicity:** No data available.

**Persistence and degradability:** No data available.

**Potential bioaccumulation:** No data available.

**Mobility in soil:** No data available.

**Section 13: Disposal considerations**

**Waste disposal method:**

**-Product:** Disposal shall be carried out according to national laws and regulations.

**-Contaminated packaging:** Return the container to the manufacturer or dispose according to national and local regulations.

**Disposal precautions:** Refer to relevant national and local regulations before disposal.

**Section 14: Transportation Information**

**UN Number of Dangerous Goods:** -

**UN Shipping Name: -**

**UN Hazard Classification: -**

**Packing type:** plastic bucket packaging.

**Packing mark**: -

**Packaging method:** 20KG/barrel.

**Marine pollutants (Yes/no):** －

**Precautions for transportation:** Check whether the packaging container is complete and sealed before transportation. Ensure that the container does not leak, collapse, fall or damage during transportation. It is strictly prohibited to mix with oxidants, edible chemicals, etc. During transportation, it shall be protected from exposure to sun, rain and high temperature. The exhaust pipe of the vehicle transporting this article must be equipped with a fire retardant device. It is prohibited to use mechanical equipment and tools that are easy to generate sparks for loading and unloading. Transport vehicles shall be equipped with fire fighting equipment of corresponding types and quantities and leakage emergency treatment equipment.

**Section 15: Regulatory Information**

**Regulatory information:** The following laws, regulations and standards have made corresponding provisions on the safe use, storage, transportation, loading and unloading, classification and marking of chemicals:

Series of standards for classification, warning label and warning description of chemicals (GB 20576-2006～GB20602-2006).

*Directory of Dangerous Chemicals*: Not included.

*Catalogue of Highly Toxic Chemicals*: Not included.

*List of Dangerous Goods* (GB 12268-2005): Not included.

**Section 16: Other Information**

**Date of latest revision:**

**Modification description:** The previous version of SDS is revised according to the *Content and Item Sequence of the Chemical Safety Data Sheet* (GB/T16483-2008).