# Section 1 Chemical product and company identification

* 1. **Product identifier**

|  |  |
| --- | --- |
| **Product name(ENG)** | DISPERSANT 5027W  |

* 1. **Details of the supplier of the safety data sheet**

|  |  |
| --- | --- |
| **Registered company name** | HY CHEMICAL (KUNSHAN) CO.,LTD |
| **Address** | No. 888. Peng Qing road, Huaqiao town, Khunshan city, Jiangsu, China |
| **Telephone/Fax** | +86512-57961323 |
| **Website** | www.hy-chemical.cn |
| **Email** | shlasej@163.com |

* 1. **Emergency telephone number**

|  |  |
| --- | --- |
| **Emergency telephone numbers** | +86 021-59779580 |
| **Other emergency telephone****numbers** | +86 0512-57961323 |

* 1. **Relevant identified uses of the substance or mixture and uses advised against**

|  |  |
| --- | --- |
| **Relevant identified uses** | Can be used for paint  |

# Section 2 Hazards identificationSummary of hazard in an emergency situation

* 1. **Summary of hazard in an emergency situation**

Liquid. Mixes with water.

* 1. **Classification of hazards**

|  |  |
| --- | --- |
| **Classification** | * Skin Corrosion/Irritation Category 3
* Eye Irritation Category 2A
* Acute Aquatic Hazard Category 3
 |

* 1. Label elements

|  |  |
| --- | --- |
| **GHS label elements** |  |
| **SIGNAL WORD** | **WARNING** |

* 1. Hazard statement(s)

|  |  |
| --- | --- |
| **H316** | Causes mild skin irritation |
| **H319** | Causes serious eye irritation. |
| **H402** | Harmful to aquatic life. |

* 1. **Precautionary statements Precautions**

|  |  |
| --- | --- |
| **P273** | Avoid release to the environment |
| **P280** | Wear protective gloves/protective clothing/eye protection/face protection. |

**Incident response**

|  |  |
| --- | --- |
| **P305+P351+P338** | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. |
| **P332+P313** | If skin irritation occurs: Get medical advice/attention |
| **P337+P313** | If eye irritation persists: Get medical advice/attention. |

**Safe storage** NotApplicable **Wastedispoal**

|  |  |
| --- | --- |
| **P501** | Dispose of contents/container in accordance with local regulations |

* 1. **Physical and Chemical Hazard**

Liquid. Mixes with water. Toxic smoke/fumes in a fire.

* 1. **Health Hazards**

**Inhaled**

**Ingestion**

The material is not thought to produce adverse health effects or irritation of the respiratory trac (as classified by EC Directives using animal models).

Nevertheless, good hygiene practice requires that exposure be kept to a minimum and that suitable control measurets be used in an occupational setting.

Ingestion of the material may be damaging to the health of the individual.

**Skin Contact**

**Eye**

This material can cause inflammation of the skin on contact in some persons. Open cuts abraded or irritated skin s,hould not be exposed to this material.

This material can cause eye irritation and damage in some persons.

* 1. **Environmental Hazards**

Harmful to aquatic organisms

* 1. **Other hazards**

Cumulative effects may result following exposure.

Section 3 Composition/information on ingredients

* 1. **Chemical properties**

Mixture

* 1. **Composition Information**

# Section 4 First aid measures

|  |  |  |
| --- | --- | --- |
| **CAS No.** | **%[weight]** | **Name** |
| 94-11-1 | 10-20 | 2,4-Dichlorophenoxyacetic acid |
| 141-32-2 | 4-8 | 2-Propenoic acid butyl ester |

* 1. **Description of first aid measures**

|  |  |  |  |
| --- | --- | --- | --- |
| **PRODUCT NAME** | DISPERSANT 5027W  | VERSION NUMBER | 3.0 |
| REVISION DATE | 2022-9-8 |  |  |

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|  |  |
| --- | --- |
| **Eye Contact** | If this product comes in contact with the eyes:* Wash out immediately with fresh running water.
* Ensure complete irrigation of the eye by keeping eyelids apart and away from eye an moving the eyelids by occasionally lifting the upper and lower lids.
* Seek medical attention without delay; if pain persists or recurs seek medical attention.
* Removal of contact lenses after an eye injury should only be undertaken by skilled personnel.
 |

|  |  |
| --- | --- |
| **Skin Contact** | If skin contact occurs:* Immediately remove all contaminated clothing, including footwear.
* Flush skin and hair with running water (and soap if available).
* Seek medical attention in event of irritation.
 |
| **Inhalation** | * If fumes, aerosols or combustion products are inhaled remove from contaminated area.
* Other measures are usually unnecessary.
 |
| **Ingestion** | * Immediately give a glass of water.
* First aid is not generally required. If in doubt, contact a Poisons Information Centre or a doctor.
 |

* 1. **Advise for rescue team (PPE requirement for rescue personnel)**

Wear portable respiratory protective devices if get into the scene of the accident.

* 1. **Indication of any immediate medical attention and special treatment needed**

Treat symptomatically.

# Section 5 Firefighting measures

* 1. **Extinguishing media**

|  |  |
| --- | --- |
| **Fire extinguisher** | * Water spray or fog.
* Foam.
* Dry chemical powder.
* BCF (where regulations permit).
* Carbon dioxide.
 |

* 1. **Special hazards arising from the substrate or mixture**

|  |  |
| --- | --- |
| **Fire Incompatibility** | * Avoid contamination with oxidising agents i.e. nitrates, oxidising acids, chlorine bleaches, pool chlorine etc. as ignition may result.
 |

* 1. **Advice for firefighters**

|  |  |
| --- | --- |
| **Fire Fighting** | * Alert Fire Brigade and tell them location and nature of hazard.
* Wear full body protective clothing with breathing apparatus.
* Prevent, by any means available, spillage from entering drains or water course.
* Use water delivered as a fine spray to control fire and cool adjacent area.
* DO NOT approach containers suspected to be hot.
* Cool fire exposed containers with water spray from a protected location.
* If safe to do so, remove containers from path of fire.
 |
| **Fire/Explosion Hazard** | * Combustible.
* Slight fire hazard when exposed to heat or flame.
* Heating may cause expansion or decomposition leading to violent rupture of containers.
* On combustion, may emit toxic fumes of carbon monoxide (CO).
* May emit acrid smoke.
* Mists containing combustible materials may be explosive.
* Combustion products include: Carbon dioxide (CO2), Aldehydes.

Other pyrolysis products typical of burning organic material May emit corrosive fumes. |

Section 6 Accidental release measures

* 1. **Personal precautions, protective equipment and emergency procedures**

|  |  |
| --- | --- |
| **Minor Spills** | * Clean up all spills immediately.
* Avoid contact with skin and eyes, by using protective equipment.
* Collect the leakage, place in a suitable, labelled container for waste disposal.
 |
| **Major Spills** | * Alert Fire Brigade and tell them location and nature of hazard.
* Use protective equipment to avoid contact with skin and eyes
* Contain spill with sand, earth or vermiculite.
* Collect recoverable product into labelled containers for recycling.
* Collect residues and seal in labelled drums for disposal.
* If contamination of drains or waterways occurs, advise emergency services.
 |

Personal Protective Equipment advice is contained in Section 8 of the SDS.

* 1. **Measures for Preventing Secondary Contamination**

Refer to section above

* 1. **Environmental precautions**

See section 12

**Section 7 Handling and storage**

* 1. **Precautions for safe handling**

|  |  |
| --- | --- |
| **Safe handling** | * Avoid all personal contact, including inhalation.
* Wear protective clothing when risk of exposure occurs.
* Use in a well-ventilated area.
* Prevent concentration in hollows and sumps.
* DO NOT enter confined spaces until atmosphere has been checked.
* Avoid smoking, naked lights or ignition sources.
* Avoid contact with incompatible materials.
* When handling, DO NOT eat, drink or smoke.
* Keep containers securely sealed when not in use.
* Avoid physical damage to containers.
* Always wash hands with soap and water after handling.
* Work clothes should be laundered separately.
* Use good occupational work practice.
* Observe manufacturer's storage and handling recommendations contained within this SDS.
* Atmosphere should be regularly checked against established exposure standards to ensure safe working conditions.
 |
| **Other information** | * Store in original containers.
* Keep containers securely sealed.
* No smoking, naked lights or ignition sources.
* Store in a cool, dry, well-ventilated area.
* Store away from incompatible materials and foodstuff containers.
* Protect containers against physical damage and check regularly for leaks.
* Observe manufacturer's storage and handling recommendations contained within this SDS.
 |

* 1. **Conditions for safe storage, including any incompatibilities**

|  |  |
| --- | --- |
| **Suitable container** | * Metal can, plastic tank or drum
* Packaging as recommended by manufacturer.
* Check all containers are clearly labelled and free from leaks.
 |
| **Storage incompatibility** | * Avoid reaction with oxidising agents
 |

# Section 8 Exposure controls/personal protection

* 1. **Control parameters**
		1. **Occupational exposure limits (OEL) Ingredient data**

Not Available

**Emergency limits**

|  |  |  |  |
| --- | --- | --- | --- |
|  | **Ingredient** | **Original IDLH** | **Revised IDLH** |
|  | 2,4-Dichlorophenoxyacetic acid | Not Available | Not Available |
| 2-Propenoic acid butyl ester | Not Available | Not Available |

* 1. **Exposure controls**

|  |  |
| --- | --- |
| **Appropriate engineering controls** | Engineering controls are used to remove a hazard or place a barrier between the worker and the hazard. Well-designed engineering controls can be highly effective in protecting workers and will typically be independent of worker interactions to provide this high level of protection.General exhaust is adequate under normal operating conditions. Local exhaust ventilation may be required in specific circumstances. If risk of overexposure exists, wear approved respirator. Correct fit is essential to obtain adequate protection. Provide adequate ventilation in warehouse or closed storage areas. Air contaminants generated in the workplace possess varying "escape" velocities which, in turn, determine the "capture velocities" of fresh circulating air required to effectively remove the contaminant. Process controls which involve changing the way ajobactivity or process is done to reduce the risk. |
| **Personal protection** |  |
| **Eye and face protection** | * Safety glasses with side shields.
* Chemical goggles.
 |
| **Skin protection** | See Hand protection below |
| **Hands/feet protection** | * Wear chemical protective gloves, e.g. PVC.
* Wear safety footwear or safety gumboots, e.g. Rubber
 |
| **Body protection** | See Other protection below |
| **Other protection** | * Overalls.
* P.V.C. apron.
* Eye wash unit.
 |
| **Thermal hazards** | Not Available |

# Section 9 Physical and chemical properties

**9.1 Information on basic physical and chemical properties**

|  |  |  |  |
| --- | --- | --- | --- |
|  | **Appearance** | Yellow transparent liquid  |  |
| **Odour** | Slight odour |
| **Odour threshold** | No data available |
| **pH as a solution (1%)** | No data available |
| **Melting point / freezing point (°C)** | No data available |
| **Initial boiling point and boiling****range (°C)** | No data available |
| **Flash point (°C)** | No data available |
| **Flammability** | Not Applicable |
| **Upper Explosive Limit (%)** | No data available |
| **Lower Explosive Limit (%)** | No data available |
| **Explosive properties** | Not explosive |
| **Vapour pressure (kPa)** | No data available |
| **Vapour density (Air = 1)** | No data available |
| **Relative density (Water = 1)** | No data available |
| **Solubility in water (g/L)** | Miscible |