# Material Safty Data Sheet

| Product | DHC1382(Part B) |
|---|---|

## 1. PRODUCT AND COMPANY IDENTIFICATION

| | |
|---|---|
| 1.1 Product Name | DHC1382(Part B) |
| 1.2 Recommended use of the chemical and restrictions on use | |
| Recommended use of the product | Two Part, encapsulated sealant |
| Restrictions on use of the product | Not available |
| 1.3 Company information | |
| Company Name | DAEHEUNG CHEMICAL CO., LTD. |
| Address | 52, Sandan-ro15beon-gil,Pyeongtaeksi,Gyeonggi-do |
| Emergency telephone number | +82-031-663-5251 |

## 2. HAZARD IDENTIFICATION

| | |
|---|---|
| 2.1 Hazard, Risk classification | Skin corrosion/irritation : category 2 |
| | Serious eye damage/eye irritating : category 2 |
| | Hazardous to the aquatic environment, chronic toxicity : category 4 |
| 2.2 GHS label elements | |
| Symbol | |

| | |
|---|---|
| Signal word | Waring |
| Harmful Risk phrases | H315 Causes skin irritation |
| | H319 Causes serious eye irritation |
| | H413 May cause long lasting harmful effects to aquatic life |
| Precautions | |
| Prevention | P264 Wash thoroughly after handling. |
| | P273 Avoid release to the environment. |
| | P280 Wear protective gloves/protective clothing/eye protection/face protection. |
| Corresponding | 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. |
| | P321 Specific treatment (see ··· on this label). |
| | P332+P313 If skin irritation occurs: Get medical advice/attention. |
| | P337+P313 If eye irritation persists: Get medical advice/attention. |
| | P362+P364 Take off contaminated clothing and wash it before reuse |
| Storage | Not applicable |
| Disposal | P501 Dispose of contents and container in accordance with local regulations. |
| Amorphous, fumed silica | |
| Health | 0 |
| Fire | 1 |
| Reactivity | 0 |
| Aluminum hydroxide | |
| Health | 0 |
| Fire | No data |
| Reactivity | 0 |
| Poly(dimethylsiloxane), vinyl terminated | |
| Health | 1 |
| Fire | 1 |
| Reactivity | 0 |

## 3. COMPOSITION / INFORMATION ON INTEGREDIENTS

| Name | Comon Name | CAS No | Contents(%) |
|---|---|---|---|
| Amorphous, fumed silica | Amorphous, fumed silica | 112945-52-5 | 1 ~ 5 |
| Aluminum hydroxide | | 21645-51-2 | 25 ~ 35 |
| Poly(dimethylsiloxane), vinyl terminated | SILOXANES AND SILICONES, | 68083-19-2 | 60 ~ 70 |

## 4. FIRST AID MEASURES

4.1 Eye contact

If it gets on your eyes, wash it carefully with water for a few minutes. If possible, remove contact lenses. Continue to wash.

If eye irritation persists seek medical advice.

4.2 In case of skin contact

If skin irritation develops, seek medical advice.

Remove contaminated clothing.

In the case of hot materials, immerse or wash affected areas in a large amount of cold water to remove heat.

Get emergency medical attention.

Remove contaminated clothing and shoes and isolate contaminated areas.
Rinse skin and eyes immediately with plenty of water for at least 20 minutes when in contact with the material.
Prevent spread of contamination on mild skin contact

4.3 Inhalation

Move to a place with fresh air.

If not breathing, give artificial respiration.

If breathing is difficult, give oxygen.

Please warm and stabilize.

4.4 Ingestion

Get emergency medical attention.

4.5 Other precautions

Have the health care worker know about the material and take protective measures

## 5. FIRE FIGHTING MEASURES

5.1. Extinguishing media

Suitable extinguishing media

Small fire: dry sand, dry chemical, alcohol-resistant foam, water spray, regular foam, CO2

Use dry sand or earth for digestion.

5.2. Special hazards arising from the substance or mixture

Hazardous combustion products

During burning, pyrolysis or combustion can produce irritating and highly toxic gases.

Container may explode on heating

Some are burned but not easily ignited

Non-flammable, the substance itself is not burned but decomposes on heating and may cause corrosive / toxic fumes

5.3. Advice for firefighters

Amorphous, fumed silica

Extinguish the area and maintain safety distance.

Be aware that it may be melted and transported.

Drill ditches for the disposal of digestive waters to prevent them from being scattered.

Move container from fire area if it is not hazardous.

In case of tank fire, extinguish at maximum distance or use unmanned fire fighting equipment

Cool containers with large amounts of water even after the fire has extinguished.

In the event of a tank fire, the pressure relief device should be turned off if there is treble sound or the tank is discolored

Tanks Fires in a fire.

In the event of a large fire in a tank fire, use unmanned fire fighting equipment and allow it to retreat if it is not possible

Aluminum hydroxide

Move container from fire area if it is not hazardous.

Some can be transported at high temperatures

Leaky water may cause contamination.

Contact may cause skin and eye burns.

| | |
|---|---|
| | Drill ditches for the disposal of digestive waters to prevent them from being scattered. |
| | Cool containers with large amounts of water even after the fire has extinguished. |
| Aluminum hydroxide | In the event of a tank fire, if there is a high tone in the pressure relief device or if the tank is discolored, immediately withdraw it<br>Get out of the tank when you fire |
| Poly(dimethylsiloxane), vinyl terminated | Rescuers should wear appropriate protective equipment. |
| | Extinguish the area and maintain safety distance. |
| | Be aware that it may be melted and transported. |
| | Please note that some can be transported at high temperatures. |
| | Drill ditches for the disposal of digestive waters to prevent them from being scattered. |
| | Move container from fire area if it is not hazardous. |
| | In case of tank fire, extinguish at maximum distance or use unmanned fire fighting equipment |
| | Cool containers with large amounts of water even after the fire has extinguished. |
| | In the event of a tank fire, if there is a high tone in the pressure relief device or if the tank is discolored, immediately withdraw it<br>Get out of the tank when you fire |
| | In the event of a large fire in a tank fire, use unmanned fire fighting equipment and allow it to retreat if it is not possible |

## 6. ACCIDENTAL RELEASE MEASURES

| | |
|---|---|
| 6.1. Personal Precautions, protective equipment and emergency procedures | Remove all ignition sources. |
| | Stop the leak if it is not dangerous. |
| | Ventilate contaminated areas. |
| | Cover with plastic sheet to prevent diffusion |
| | Prevent dust formation |
| | Note the substances and conditions to avoid |
| 6.2. Environmental precautions | Do not discharge into the environment. |
| | Prevent entry into waterways, sewers, basements, and confined spaces. |
| 6.3. Methods and material for containment and cleaning up | Absorb spillage with inert materials (eg dry sand or earth) and place in a chemical waste container. |
| | Absorb liquid and rinse contaminated area with detergent and water. |
| | In case of a large leak, create a ditch by moving away from the liquid leak. |
| | Clean spills with clean shovel in a clean, dry container, loosely closed, then transfer container from leak area |
| | In case of powder leakage, cover with plastic sheet to prevent diffusion and keep dry |
| | In case of small spills, absorb with sand and non-combustible material and place in container |

## 7. HANDLING AND STORAGE

| | |
|---|---|
| 7.1. Precautions for safe handling | Wash thoroughly after handling. |
| | Follow all MSDS / label precautions as product residues may remain after emptying containers. |
| | Avoid prolonged or repeated skin contact. |
| | Note the substances and conditions to avoid. |
| | Refer to engineering controls and personal protective equipment. |
| | Be aware of the high temperature. |
| 7.2 Safe storage | The empty drum should be completely drained, properly blocked and immediately returned to the drum regulator or properly positioned. |

## 8. EXPOSURECONTROLS & PERSONAL PROTECTION

8.1. Exposure standards for chemicals, biological exposure standards, etc.

Domestic regulation

| | |
|---|---|
| Amorphous, fumed silica | No data |
| Aluminum hydroxide | No data |
| Poly(dimethylsiloxane), vinyl terminated | No data |

ACGIH regulation

| | |
|---|---|
| Amorphous, fumed silica | No data |

| | |
|---|---|
| Aluminum hydroxide | No data |
| Poly(dimethylsiloxane), vinyl terminated | No data |
| Biological exposure standard | |
| Amorphous, fumed silica | No data |
| Aluminum hydroxide | No data |
| Poly(dimethylsiloxane), vinyl terminated | No data |
| 8.2 Appropriate engineering controls | Equipment for storing and using this material must be worn and ready for use. |
| 8.3 Personal protective equipment | |
| Respiratory protection | Wear a respirator that has been approved by the Korean Occupational Safety and Health Administration in accordance with the physicochemical properties of the substance being exposed. |

## 9. PHYSICAL AND CHEMICAL PROPERTIES

| | |
|---|---|
| 9.1 Appearance | |
| Physical Form | Flowable type |
| Color | White |
| 9.2 Odor | No data |
| 9.3 Odor threshold | No data |
| 9.4 pH | No data |
| 9.5 Melting point / freezing point | No data |
| 9.6 Boiling point | No data |
| 9.7 Flash point | No data |
| 9.8 Evaporation Rate | No data |
| 9.9 Flammability (solid, gas) | No data |
| 9.10 Upper/lower flammability or explosive limits | No data |
| 9.11 Vapor Pressure | No data |
| 9.12 Solubility | No data |
| 9.13 Vapor Density | No data |
| 9.14 Specific gravity | 1.2 |
| 9.15 N-octanol/water partition coefficient | No data |
| 9.16 Autoignition temperature | No data |
| 9.17 Decomposition Temperature | No data |
| 9.18 Viscosity | Flowable |
| 9.19 Molecular weight | No data |

## 10. STABILITY AND REACTIVITY

| | |
|---|---|
| 10.1 Possibility of chemical stability and adverse reaction | |
| Amorphous, fumed silica | Container may explode on heating |
| Amorphous, fumed silica | Some are burned but not easily ignited |
| Amorphous, fumed silica | Non-flammable, the substance itself is not burned but decomposes on heating and may cause corrosive / toxic fumes |
| Amorphous, fumed silica | May cause irritating, corrosive and toxic gases in case of fire |
| Aluminum hydroxide | No data |
| Poly(dimethylsiloxane), vinyl terminated | Container may explode on heating |
| Poly(dimethylsiloxane), vinyl terminated | Some are burned but not easily ignited |
| Poly(dimethylsiloxane), vinyl terminated | Non-flammable, the substance itself is not burned but decomposes on heating and may cause corrosive / toxic fumes |
| Poly(dimethylsiloxane), vinyl terminated | May cause irritating, corrosive and toxic gases in case of fire |
| 10.2 Conditions to avoid | |
| Amorphous, fumed silica | Heat source, spark, flame, etc. |
| Aluminum hydroxide | No data |

| | |
|---|---|
| Poly(dimethylsiloxane), vinyl terminated | Heat source, spark, flame, etc. |

10.3 Substances to avoid

| | |
|---|---|
| Amorphous, fumed silica | Combustible material, Reducing material |
| Aluminum hydroxide | No data |
| Poly(dimethylsiloxane), vinyl terminated | Combustible material, Reducing material |

10.4 Hazardous materials generated during decomposition

| | |
|---|---|
| Amorphous, fumed silica | Corrosive / toxic fume |
| Amorphous, fumed silica | Irritating, corrosive, toxic gas |
| Aluminum hydroxide | No data |
| Poly(dimethylsiloxane), vinyl terminated | During burning, pyrolysis or combustion can produce irritating and highly toxic gases. |
| Poly(dimethylsiloxane), vinyl terminated | Corrosive / toxic fume |
| Poly(dimethylsiloxane), vinyl terminated | Irritating, toxic gas |

## 11. TOXICOLOGICAL INFORMATION

11.1. Information about possible routes of exposure

| | |
|---|---|
| Amorphous, fumed silica | Exposure to respiration can cause pneumoconiosis in large quantities of inhalation<br>May cause nausea, vomiting and diarrhea by stimulating the stomach.<br>Exposed to skin contact<br>Exposed by eye contact |
| Aluminum hydroxide | No data |
| Poly(dimethylsiloxane), vinyl terminated | No data |

11.2 Health hazard information

Acute toxicity

Oral

| | |
|---|---|
| Amorphous, fumed silica | LD50 > 3100 ㎎/㎏ Rat |
| Aluminum hydroxide | LD50 > 2000 ㎎/㎏ Rat (Female, No Death (OECD TG 423, GLP)) |
| Poly(dimethylsiloxane), vinyl terminated | LD50 16000 ㎎/㎏ Rat |

Percutaneous

| | |
|---|---|
| Amorphous, fumed silica | No data |
| Aluminum hydroxide | No data |
| Poly(dimethylsiloxane), vinyl terminated | LD50 16000 ㎎/㎏ Rabbit |

inhalation

| | |
|---|---|
| Amorphous, fumed silica | No data |
| Aluminum hydroxide | Dust LC50 7.6 ㎎/ℓ 1 hr Rat (Male (OECD TG 403)) |
| Poly(dimethylsiloxane), vinyl terminated | No data |

Skin corrosive or irritant

| | |
|---|---|
| Amorphous, fumed silica | No skin irritation reported |
| Aluminum hydroxide | No indication of irritation (OECD TG 404) |
| Poly(dimethylsiloxane), vinyl terminated | Probability of MOD/SEV = 1.000 |

Severe eye damage or irritation

| | |
|---|---|
| Amorphous, fumed silica | No eye irritation reported |
| Aluminum hydroxide | No irritant (OECD TG 405, GLP) as a result of severe eye damage / irritation test using rabbit |
| Poly(dimethylsiloxane), vinyl terminated | Prob. of SEV Ocular Irritancy = 0.000(TOPKAT:Ocular Irritancy SEV vs MOD), Prob. of MLD Ocular Irritancy = 0.005(TOPKAT:Ocular Irritancy MLD vs NON) |

Respiratory sensitization

| | |
|---|---|
| Amorphous, fumed silica | No data |
| Aluminum hydroxide | No data |

| | |
|---|---|
| Poly(dimethylsiloxane), vinyl terminated | No data |

Skin sensitization

| | |
|---|---|
| Amorphous, fumed silica | People are reported to have no skin irritability |
| Aluminum hydroxide | Skin sensitization tests using guinea pigs showed no irritability (OECD TG 406, GLP) |
| Poly(dimethylsiloxane), vinyl terminated | No data |

Carcinogenicity

Industrial Safety and Health Act

| | |
|---|---|
| Amorphous, fumed silica | No data |
| Aluminum hydroxide | No data |
| Poly(dimethylsiloxane), vinyl terminated | No data |

Notice of Ministry of Employment and Labor

| | |
|---|---|
| Amorphous, fumed silica | No data |
| Aluminum hydroxide | No data |
| Poly(dimethylsiloxane), vinyl terminated | No data |

IARC

| | |
|---|---|
| Amorphous, fumed silica | Group 3 (Silica, amorphous ) |
| Aluminum hydroxide | No data |
| Poly(dimethylsiloxane), vinyl terminated | No data |

OSHA

| | |
|---|---|
| Amorphous, fumed silica | No data |
| Aluminum hydroxide | No data |
| Poly(dimethylsiloxane), vinyl terminated | No data |

ACGIH

| | |
|---|---|
| Amorphous, fumed silica | No data |
| Aluminum hydroxide | No data |
| Poly(dimethylsiloxane), vinyl terminated | No data |

NTP

| | |
|---|---|
| Amorphous, fumed silica | No data |
| Aluminum hydroxide | No data |
| Poly(dimethylsiloxane), vinyl terminated | No data |

EU CLP

| | |
|---|---|
| Amorphous, fumed silica | No data |
| Aluminum hydroxide | No data |
| Poly(dimethylsiloxane), vinyl terminated | No data |

Germ cell mutagenicity

| | |
|---|---|
| Amorphous, fumed silica | No in vivo / in vitro test There was no evidence that this substance caused variation. Genotoxicity effects do not occur when exposed to this material. |
| Aluminum hydroxide | No data |
| Poly(dimethylsiloxane), vinyl terminated | Computed Probability of Mutagenicy = 0.547 |

Reproductive toxicity

| | |
|---|---|
| Amorphous, fumed silica | No data |
| Aluminum hydroxide | No data |
| Poly(dimethylsiloxane), vinyl terminated | No data |

Specific target organ toxicity (single exposure)

| | |
|---|---|
| Amorphous, fumed silica | Short-term exposure may cause respiratory irritation. |

| | |
|---|---|
| Aluminum hydroxide | No data |
| Poly(dimethylsiloxane), vinyl terminated | No data |

Specific target organ toxicity (repeated exposure)

| | |
|---|---|
| Amorphous, fumed silica | showed normal lung reaction. |
| Aluminum hydroxide | No data |
| Poly(dimethylsiloxane), vinyl terminated | No data |

Inhalation hazard

| | |
|---|---|
| Amorphous, fumed silica | No data |
| Aluminum hydroxide | No data |
| Poly(dimethylsiloxane), vinyl terminated | No data |

## 12. ECOLOGICAL INFORMATION

### 12.1. Ecotoxicity

Fish

| | |
|---|---|
| Amorphous, fumed silica | No data |
| Aluminum hydroxide | LC50 > 218.6441 ㎎/ℓ 96 hr Pimephales promelas ( ASTM 2000,GLP) |
| Poly(dimethylsiloxane), vinyl terminated | LC50 0.021 mg / l 96 hr (not classified because water solubility is below 1 mg / L) |

shellfish

| | |
|---|---|
| Amorphous, fumed silica | No data |
| Aluminum hydroxide | LC50 22 ㎎/ℓ 96 hr (Gammarus sp.,) |
| Poly(dimethylsiloxane), vinyl terminated | LC50 0.024 mg / l 48 hr (not classified because water solubility is less than 1 mg / L). |

algae

| | |
|---|---|
| Amorphous, fumed silica | No data |
| Aluminum hydroxide | ErC50 0.0455 ~ 0.6999 ㎎/ℓ 72 hr etc (Pseudokirchneriella subcapitata static test (OECD Guideline 201)) |
| Poly(dimethylsiloxane), vinyl terminated | EC50 0.085 mg / l 96 hr (not classified because water solubility is less than 1 mg / L) |

### 12.2. Persistence and degradability

Persistence

| | |
|---|---|
| Amorphous, fumed silica | No data |
| Aluminum hydroxide | log Kow -0.5304 |
| Poly(dimethylsiloxane), vinyl terminated | log Kow 6.64 |

degradability

| | |
|---|---|
| Amorphous, fumed silica | No data |
| Aluminum hydroxide | No data |
| Poly(dimethylsiloxane), vinyl terminated | No data |

### 12.3. Bioaccumulation

Enrichment

| | |
|---|---|
| Amorphous, fumed silica | No data |
| Aluminum hydroxide | BCF 3.162 |
| Poly(dimethylsiloxane), vinyl terminated | BCF 11200 |

Biodegradable

| | |
|---|---|
| Amorphous, fumed silica | No data |
| Aluminum hydroxide | No data |
| Poly(dimethylsiloxane), vinyl terminated | (Cut-off value=-0.2432 : Degradability(BIOWIN 5)) |

### 12.4. Soil mobility

| | |
|---|---|
| Amorphous, fumed silica | No data |
| Aluminum hydroxide | No data |

| | |
|---|---|
| Poly(dimethylsiloxane), vinyl terminated | No data |

12.5. Other harmful effects

| | |
|---|---|
| Amorphous, fumed silica | No data |
| Aluminum hydroxide | Fish(Pimephales promelas), NOEC(7d)=1 156.5 μg/L Semi-static test (EPA 2002, GLP) shellfish(Ceriodaphnia dubia), EC50(7d)=250 μg/L ,Semi-static test (USEPA 2002) algae(Pseudokirchneriella subcapitata), NOErC(72h)≥ 4 μg/L ,static (OECD Guideline 201,GLP) |
| Poly(dimethylsiloxane), vinyl terminated | No data |

## 13. DISPOSAL CONSIDERATIONS

| | |
|---|---|
| 13.1 Disposal method | Dispose of contents and container in accordance with local regulations. |
| 13.2 Disposal considerations | If specified in the Waste Management Act, consider the precautions specified in the regulations. |

## 14. TRANSPORT INFORMATION

| | |
|---|---|
| 14.1 UN Number (UN No.) | UN transport hazard classification not available |
| 14.2. UN proper shipping name | Not available |
| 14.3. Transport hazard class(es) | Not available |
| 14.4. Packing group | Not available |
| 14.5. Environmental hazards | No data |

14.6 Special safety measures that the user needs or needs to know about transportation or transportation

| | |
|---|---|
| Emergency measures in case of fire | Not available |
| Emergency Action | Not available |

## 15. REGULATORY INFORMATION

15.1 Regulation by the Industrial Safety and Health Act

| | |
|---|---|
| Amorphous, fumed silica | No data |
| Aluminum hydroxide | Toxic substances to be managed |
| Aluminum hydroxide | Working environment Measured material (measurement cycle: 6 months) |
| Aluminum hydroxide | Special medical examination target substance (diagnosis period: 12 months) |
| Poly(dimethylsiloxane), vinyl terminated | No data |
| 15.2 Regulation by Chemical Substance Control Act | No data |
| 15.3 Regulation under dangerous goods safety management law | No data |
| 15.4 Regulation by waste management law | Designated waste |

15.5 Other domestic and foreign regulations

| | |
|---|---|
| Domestic regulation | |
| Residual Organic Pollutant Control Act | Not applicable |
| Foreign regulation | |
| OSHA regulations | Not applicable |
| CERCLA regulations | Not applicable |
| US Administration Information(EPCRA 302 regulations) | Not applicable |
| US Administration Information(EPCRA 304 regulations) | Not applicable |
| US Administration Information(EPCRA 313 regulations) | Not applicable |
| US Administration Information(Rotterdam Convention material) | Not applicable |
| US Administration Information(Stockholm Convention substance) | Not applicable |
| US Administration Information(Montreal Protocol substance) | Not applicable |
| EU Classification information(Confirmed classification result) | Not applicable |
| EU Classification information(Danger phrases) | Not applicable |
| EU Classification information(Safety phrases) | Not applicable |

## 16. OTHER INFORMATION

16.1 Source of material

Amorphous, fumed silica

Corporate Solution From Thomson Micromedex(http://csi.micromedex.com)(Information on possible routes of exposure)

Seton compliance resource center(http://www.setonresourcecenter.com)(Information on possible routes of exposure)

OECD Screening Information Data Set(http://cs3-hq.oecd.org/scripts/hpv/)(Oral)

OECD Screening Information Data Set(http://cs3-hq.oecd.org/scripts/hpv/)(Skin corrosive or irritant)

OECD Screening Information Data Set(http://cs3-hq.oecd.org/scripts/hpv/)(Severe eye damage or irritation )

OECD Screening Information Data Set(http://cs3-hq.oecd.org/scripts/hpv/)(Skin sensitization)

International Uniform ChemicaL Information Database(IUCLID)(http://ecb.jrc.it/esis)(Germ cell mutagenicity)

OECD SIDS(http://www.chem.unep.ch/irptc/sids/OECDSIDS/silicates.pdf)(Specific target organ toxicity (single exposure))

Intermational Programme on Chemical Safety(IPCS INCHEM)(http://www.inchem.org/)(Specific target organ toxicity (repeated exposure))

OECD Screening Information Data Set(http://cs3-hq.oecd.org/scripts/hpv/)(Specific target organ toxicity (repeated exposure))

OECD Screening Information Data Set(http://cs3-hq.oecd.org/scripts/hpv/)(Recommended use of the product)

Aluminum hydroxide

EPISUITE(Enrichment)

NITE, HSDB

Poly(dimethylsiloxane), vinyl terminated

National Library of Medicine(http://toxnet.nlm.nih.gov/cgi-bin/sis/htmlgen?CHEM)(oral)

Registry of Toxic Effects of Chemical Substances(oral)

National Library of Medicine(http://toxnet.nlm.nih.gov/cgi-bin/sis/htmlgen?CHEM)(Percutaneous)

Registry of Toxic Effects of Chemical Substances(Percutaneous)

TOPKAT:Skin Irritation(Skin corrosive or irritant )

TOPKAT(Severe eye damage or irritation)

TOPKAT:Ames Mutagenicity(Germ cell mutagenicity)

Ecological Structure Activity Relationships(ECOSAR)(fish)

Ecological Structure Activity Relationships(ECOSAR)(shellfish)

Ecological Structure Activity Relationships(ECOSAR)(algae)

Quantitative Structure Activity Relation(QSAR)(Persistence)

Quantitative Structure Activity Relation(QSAR)(Enrichment)

EPI Suite(Biodegradable)

EPI Suite(Soil mobility)

| | |
|---|---|
| 16.2 Date First | 2017-05-19 |
| 16.3 Revision number and date | |
| Revision number | 0 time |
| Revision Date | 0 |
| 16.4 Etc. | |

○ The MSDS (Material Safty Data Sheet) is edited or partially corrected by referring to the MSDS provided by KOSHA (Korea Occupational Safty and Health Agency)