

1. Identification

- A. Product name : Plastic Cleaner(Anti-static)
 - Usage category : thinner
- B. Recommended Use and Restriction on Use
 - General use : Plastic Cleaner
 - Restriction on use : Restricted to use other than recommended use
- C. Manufacturer / Supplier / distributor information
 - Company name : NOROO Paint & Coatings Co., Ltd.
 - Address : 351, Bakdal-ro, Manan-gu, Anyang-si, Gyeonggi-do, Korea
 - Emergency telephone number : +82-31-467-6114

2. Hazard identification

- A. GHS Classification
 - Flammable liquids Category 3
 - Reproductive toxicity Category 2
 - Serious eye damage/irritation Category 1
 - Serious eye damage/irritation Category 2A
 - Specific target organ toxicity(Single exposure) Category 3
 - Skin corrosion/irritation Category 2
 - Aspiration hazard Category 2

- B. GHS label elements
 - Hazard symbols



- Signal words : DANGER
- Hazard statements :
 - H226 Flammable liquid and vapour
 - H361 Suspected of damaging fertility or the unborn child
 - H318 Causes serious eye damage
 - H319 Causes serious eye irritation
 - H335+H336 May cause respiratory irritation, May cause drowsiness and dizziness.
 - H315 Causes skin irritation
 - H305 May be harmful if swallowed and enters airways
- Precautionary statements
 - Prevention
 - P210 Keep away from heat, hot surfaces, sparks, open flames and other sources of ignition. no smoking
 - P223 Do not contact with water
 - P240 Ground container and receiving equipment
 - P241 Use explosion-proof equipment (electricity, ventilation, lighting, etc.)
 - P242 Use only non-sparking tools. Flammable liquids (chapter 2.6) 1, 2, 3
 - P243 Take precautionary measures against static discharge.
 - 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.
 - P264 Wash hands and contact areas thoroughly after handling.
 - P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
 - P271 Use only outdoors or in a well-ventilated area.
 - Response
 - P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
 - P370+P378 In case of fire: Use Suitable extinguishing media for extinction(Refer Section MSDS 5).
 - P308+P313 If exposed or concerned: Get medical advice / attention.
 - P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 - P310 Immediately call a POISON CENTER or doctor/physician.
 - P337+P313 If eye irritation persists, get medical attention / attention.
 - P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
 - P312 Call a POISON CENTER or doctor/physician if you feel unwell.
 - P302+P352 IF ON SKIN: Wash with plenty of soap and water.
 - P321 Specific treatment
 - P332+P313 If skin irritation occurs: Get medical advice/attention.
 - P362+P364 Take off contaminated clothing and wash before reuse.
 - P301+P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
 - P331 Do NOT induce vomiting.
 - Storage
 - P403+P235 Store in a well-ventilated place. Keep cool.

- P405 Save by locking.
 P403+P233 Store in a well-ventilated place. Keep container tightly closed
 - Disposal
 P501 Dispose of the contents and containers in accordance with waste-related laws.

C. Other hazards which do not result in classification : (NFPA Classification)

Chemical Name	NFPA grade	Health	Flammability	Reactivity	GHS Classification
Propylene glycol methyl ether		0	3	0	H226, H303, H313
2-Propanol		2	3	0	H226, H303, H305, H313, H335+H336
Isobutanol		1	3	0	H226, H303, H313, H315, H318, H319, H335+H336
DIACETONE ALCOHOL		2	2	0	H226, H303, H313, H335+H336, H361

3. Composition/information on ingredients

Chemical Name	Trade names and Synonyms	CAS-NO	Content(%)
Propylene glycol methyl ether	Propylene glycol methyl ether	107-98-2	41~51
2-Propanol	2-Propanol	67-63-0	29~39
Isobutanol	Isobutanol	78-83-1	17~27
DIACETONE ALCOHOL	DIACETONE ALCOHOL	123-42-2	1~10

4. First-aid measures

A. Eye Contact : If you wear a contact lenses, remove them first. Do not rub your eyes. If irritation, pain, swelling, tears or glaring happens, take medical assistant immediately Flush exposed eyes with plenty of water for more than 15minutes.

B. Skin Contact : Wear gloves while washing the patient and avoid contact with exposed clothes. Wash carefully after handling. If symptoms like redness or irritation occurs, take medical assistant immediately. Wash off with soap and water for more than 15 minutes. And take medical assistant immediately. If symptoms like irritation or pain occurs, take medical assistant immediately. Remove exposed clothing, and wash off exposed area with soap and water.

C. Inhalation : Remove contaminated clothing and shoes, and isolate it. If hard to breathe, administering oxygen Perform the artificial respiration, using the pocket mask with one way valves or other respiratory medical devices. If inhaled or swallowed, do not perform the inhalation phase of breathing Take a medical assistant immediately. If not breathing, perform the artificial respiration. Avoid from exposure, and move into an area with fresh air.

D. Ingestion Contact : Flush mouth with water immediately. It is need to be considered that early removal of some ingested material by gastric lavage must be weighed against potential complications of bleeding or perforation Take proper medical assistant by symptoms. Inducing vomit. If unconscious, do not induce vomiting. In case of vomiting, keep head down under hip to prevent lung inhalation. If ingested large quantity, take medical assistant.

E. Notes to Physician : There is no specific antidote and take an appropriate medical treatment.

5. Fire-fighting measures

A. Suitable (Unsuitable) extinguishing media

- Suitable extinguishing media : Powder extinguishing agent, gaseous Extinguishing Agent, and regular foam.
- (Unsuitable) extinguishing media : Avoid use waterjet as fire extinguishing agent. Water is not appropriate extinguishing agent Avoid extinguishing fire with halogenting agent.
- Case of big fire : Use appropriate protective device depend on the situation. Stay away more than 800m to avoid tank explosion. Spread large amount of the extinguishing agent as a mist form with staying against wind.

B. Specific hazards arising from the chemical

- Pyrolysate : Carbon dioxide, toxic carbon compounds/Nitrogen compounds/sulfur compounds Irritating and highly toxic gases may produced during the combustion by pyrolysis or combustion itself.
- Fire and Explosion danger : Container may explode when heating Vapors may explode indoors, outdoors, and in drains Leakages may fire / explosion hazard and could be easily ignited by heat, sparks or flames. May form explosive mixture at or above ignition point Risk of medium-sized fire. Vapor may be released to the ignition source and ignited. Aqueous (Exclude water-soluble one) products does not have risk of fire or explosion hazard by itself.

C. Special protective actions for fire-fighters

- Personal Precautions, protective equipment : Gas mask or air respirator, heat resistant clothing, heat resistant helmet, heat resistant gloves, heat resistant boots
- Emergency procedures : Do not approach if the tank is on fire. Avoid inhalation of the substance or combustion products. Use an unmanned fire extinguishing device, in case of large-sized fire. If not, leave it to burn. Tell the fire department, location of the fire and the hazardous features. Protect others from access and prohibit access to dangerous areas. Block the area except for the fire-suppression personnel. Cooling containers with water long time after extinguish fire. If there is no risk, moving containers away from fire. Use appropriate extinguishing agents to catch fire.

6. Accidental release measures

- A. Personal Precautions, protective equipment and emergency procedures

- Personal Precautions, protective equipment : Gas mask for organic gases, other appropriate protective device / clothing / gloves.
 - Emergency procedures : Do not contact on the bare skin Do work with the personal protected devices such as gas mask for organic gases other appropriate protective devices / clothing / gloves. Spray water to reduce amount of steam. Take an action to block the leakage if there is no risk.
- B. Environmental precautions
- Atmosphere : Using local ventilation to Minimize the exposure to worker. Do install the local ventilations and full ventilation system
 - Soil : Use absorbent to collect the appropriate container. Trap spilled material at bottom in deep water pockets, excavated holding areas or within sand bag barriers.
 - Under water : Collect spilled material with mechanic devices Use absorbent to collect the appropriate container.
- C. Methods and materials for containment and cleaning up
- Small spill : Move to appropriate container for disposal of spilled material collected. Absorb for use sand or other non-combustible material.
 - Large spill : Notify to central and local government, when emissions are above regulation. Prohibit access of unnecessary people, isolate hazard area to secure.

7. Handling and storage

- A. Precautions for safe handling : Do not inhale vapor for long-term or repeatedly. Storing with combustible substances such as stained clothes or paper may cause fire by spontaneous ignition. Thus do not stack it, and keep it in a non-flammable container with cap filled with water and dispose it. Do not take contaminated clothings away from the work area. Avoid contact with heat, sparks, flames or other sources of ignition. Do not handle until read and understood all safety precautions. Avoid contact with prohibited materials in mixture. Wash carefully after handling. Use local ventilations and a full ventilation system when handling Seal the container for minimizing the petroleum steam Ground for preventing the static discharge Keep or handle followed by Dangerous goods Safety Management Act
- B. Conditions for safe storage, including any incompatibilities : Collect in an airtight container to dispose. Prevent static electricity and do not store near heat sources. Store in original container only. Store in accordance with all current law and regulations. Check periodically for leaks Store in a cool, dry, well-ventilated area. Stored in an isolated place, freezing caution, high temperature body caution. Avoid strong oxidizing agents, acid. Storage temperature: 5 ~ 35 °C Avoid direct sunlight while storing outdoor. Because of evaporation and contamination concerns, airtight the container and store in a well-ventilated building. Store away from waterworks and sewers. Storage temperature: 25 ~ 35 °C Storage temperature: 15 ~ 25 °C Storage temperature: 5 ~ 15 °C

8. Exposure controls/personal protection

- A. Exposure Limits
- Propylene glycol methyl ether
 - ACGIH : NO DATA
 - Biological exposure indices : NO DATA
 - 2-Propanol
 - ACGIH : NO DATA
 - Biological exposure indices : NO DATA
 - Isobutanol
 - ACGIH : NO DATA
 - Biological exposure indices : NO DATA
 - DIACETONE ALCOHOL
 - ACGIH : NO DATA
 - Biological exposure indices : NO DATA
- B. Engineering Controls :
- ▷ Do install the local ventilations and full ventilation system
 - ▷ Using local ventilation to Minimize the exposure to worker.
 - ▷ NO DATA
 - ▷ NO DATA
- C. Personal Protective Equipment
- Respiratory protection : Respiratory protection is ranked in order from minimum to maximum Respiratory protection may be needed, while frequent use or heavy exposure. Consider warning properties before use. Use the personal protect respirator for organic solvent or higher level of capacity when workers are supposed to be exposed under unsuitable respiratory working condition, or longer period exposure than standard level. Respirators should be authorized by Korea Occupational Safety and Health Agency If there is possibility of direct contact or exposure to these substances should wear a authorized dust-proof mask or respirator for organic compounds
 - Eye protection : Let workers do wear the safety glasses in case hazard caused by mist may be expected. Install washing facilities and an emergency washing facilities close to workplace. Use the respirator for organic solvent or higher level. If there is possibility of direct contact or exposure to these substances should wear authorized safty glasses or mask.
 - Hand protection : Wear appropriate protective gloves Wear the chemical protective gloves Do the workers wear the impermeable protective gloves made from rubber/PVC due to skin irritation may be supposed by chronicle and long period exposure. If there is possibility of direct contact or exposure to these substances should wear authorized safety gloves for chemicals.
 - Skin protection : If there is a possibility of direct contact or exposure to the substance Wear protective clothing for chemical substances Wear cleanroom garment or appropriate protective clothing to prevent contamination Wear appropriate chemical protective clothing. Work after wearing the impermeable protective apron made by rubber/PVC in case hazard caused by exposure or spill, wear the impermeable whole body protective clothing if needed.

9. Physical and chemical properties

- A. Appearance : Liquid
- B. Odor : NO DATA
- C. Odor threshold : NO DATA
- D. PH : NO DATA
- E. Melting point/Freezing point(°C) : NO DATA
- F. Initial Boiling Point/Boiling Ranges(°C) : NO DATA
- G. Flash point(°C) : 30
- H. Evaporating Rate : NO DATA
- I. Flammability(solid, gas)(°C) : NO DATA
- J. Upper/Lower Flammability or explosive limits : NO DATA
- K. Vapour pressure : NO DATA
- L. Solubility : NO DATA
- M. Vapour density : NO DATA
- N. Specific gravity : NO DATA
- O. Partition coefficient of n-octanol/water : NO DATA
- P. Autoignition temperature(°C) : NO DATA
- Q. Decomposition temperature(°C) : 0.9
- R. Viscosity : NO DATA
- S. Molecular weight : NO DATA

10. Stability and reactivity

- A. Chemical stability : NO DATA
- B. Possibility of hazardous reactions : Avoid contaminants and friction Do not contact with heat, spark, flame or other flammable sources
- C. Conditions to avoid : Oxidation agent, metal and combustable materials
- D. Hazardous decomposition products : Thermal decomposition products (carbon etc..)

11. Toxicological information

- A. Information on the likely routes of exposure
 - Respiratory tracts : Adverse lung effects, Dyspnoea, Hypothermia, Vomitting
 - Oral : Vomitting, Diarrhea, Stomach pain, Irregular heartbeat
 - Skin : Irritation, Burn, Adverse nerve effects
 - Eye : Irritation, eye damage
- B. Delayed and immediate effects and also chronic effects from short and long term exposure
 - Propylene glycol methyl ether
 - Acute toxicity
 - Oral : LD50 > 5000 mg/kg Rat
 - Dermal : LD50 = 13000 mg/kg Rabbit
 - Inhalation : LD50 = 13000 mg/kg Rabbit
 - Skin corrosion/irritation : The test is applied to rabbit skin appears extremely weak Irritation.
 - Serious eye damage/irritation : High concentrations of vapor is irritating to represent not strong.
 - Respiratory sensitization : NO DATA
 - Skin sensitization : Using guinea pig skin sensitization test results - negative
 - Carcinogenicity
 - IARC : NO DATA
 - OSHA : NO DATA
 - ACGIH : A4
 - NTP : NO DATA
 - EU CLP : NO DATA
 - Germ cell mutagenicity : Using mouse bone marrow erythrocytes in vivo Micronucleus test - Negative
 - Reproductive toxicity : Using mouse bone marrow erythrocytes in vivo Micronucleus test - Negative
 - STOT-single exposure : Rats, mice, rabbits, such as the loss of an external stimulus appears reflections.
 - STOT-repeated exposure : Rats, rabbits, mice, guinea pigs, monkeys and later only a weak reference to a Category 2 suppresses the central nervous system (really), the liver, the kidneys, the effects appear.
 - Aspiration hazard : NO DATA
 - 2-Propanol
 - Acute toxicity
 - Oral : LD50 = 4710mg/kg Rat
 - Dermal : LD50 = 12870 mg/kg rabbit
 - Inhalation : LD50 = 12870 mg/kg rabbit
 - Skin corrosion/irritation : (using rabbit) skin Irritation test result weak Irritation and in people non-irritating
 - Serious eye damage/irritation : The rabbit eye irritation test results of weak or too irritating impartial
 - Respiratory sensitization : NO DATA
 - Skin sensitization : Guinea pig test results negative
 - Carcinogenicity

- IARC : Group 3
- OSHA : NO DATA
- ACGIH : A4
- NTP : NO DATA
- EU CLP : NO DATA
- Germ cell mutagenicity : (Using mouse bone marrow cells)Micronucleus test - Negative
- Reproductive toxicity : (Using mouse bone marrow cells)Micronucleus test - Negative
- STOT-single exposure : By inhalation exposure in rats decreased the activity is displayed. Stimulation of the digestive tract in humans during acute intoxication, blood pressure, body temperature, such as depression, central nervous system symptoms, renal failure appears.
- STOT-repeated exposure : In mice it was 4 gaewol inhalation exposure experiment reported that the effect on the blood vessels, liver, spleen, kidneys and may impact on the anesthetic action is recognized
- Aspiration hazard : Test mice when administered within 24 hours of the spectacle of death from cardiopulmonary arrest is recognized, an
- Isobutanol
 - Acute toxicity
 - Oral : LD50 = 2460 mg/kg Rat
 - Dermal : LD50 = 2460 mg/kg Rabbit
 - Inhalation : LD50 = 2460 mg/kg Rabbit
 - Skin corrosion/irritation : (in rabbit) test result stimulus - Not recovered within seven days.
 - Serious eye damage/irritation : Not by exposure to irritant vapors from people and changes in the cornea appears.
 - Respiratory sensitization : NO DATA
 - Skin sensitization : NO DATA
 - Carcinogenicity
 - IARC : NO DATA
 - OSHA : NO DATA
 - ACGIH : NO DATA
 - NTP : NO DATA
 - EU CLP : NO DATA
 - Germ cell mutagenicity : Using mammalian erythrocytes Micronucleustest result Negative. Using mammalian bone marrow Chromosomal abnormalitiestest result Negative
 - Reproductive toxicity : Using mammalian erythrocytes Micronucleustest result Negative. Using mammalian bone marrow Chromosomal abnormalitiestest result Negative
 - STOT-single exposure : Throat irritation was observed in humans. Neurotoxicity in rats and decreased reflex activity decreased test results is displayed. Inhalation exposure in rats and rabbits suppression test results appear in the central nervous system.
 - STOT-repeated exposure : 90-day rat inhalation exposure test results will not appear unusual toxic effects.
 - Aspiration hazard : Causes Aspiration hazard.
- DIACETONE ALCOHOL
 - Acute toxicity
 - Oral : LD50 = 2520 mg/kg Rat
 - Dermal : LD50 = 13630 mg/kg Rabbit
 - Inhalation : LD50 = 13630 mg/kg Rabbit
 - Skin corrosion/irritation : rabbit Irritation test result - middle stimulus
 - Serious eye damage/irritation : Moderate or severe irritation in rabbits and reported that stimulation in humans.
 - Respiratory sensitization : NO DATA
 - Skin sensitization : NO DATA
 - Carcinogenicity
 - IARC : NO DATA
 - OSHA : NO DATA
 - ACGIH : NO DATA
 - NTP : NO DATA
 - EU CLP : NO DATA
 - Germ cell mutagenicity : NO DATA
 - Reproductive toxicity : NO DATA
 - STOT-single exposure : NO DATA
 - STOT-repeated exposure : NO DATA
 - Aspiration hazard : NO DATA

12. Ecological information

A. Ecotoxicity

- Propylene glycol methyl ether
 - Fish : NO DATA
 - Crustaceans : EC50 > 500 mg/ℓ 48 hr
 - Algae : NO DATA
- 2-Propanol
 - Fish : LC50 > 100 mg/ℓ 96 hr
 - Crustaceans : NO DATA
 - Algae : EC50 = 2.2 mg/ℓ 96 hr
- Isobutanol
 - Fish : LC50 = 1000 mg/ℓ 96 hr
 - Crustaceans : EC50 = 1250 mg/ℓ 24 hr
 - Algae : NO DATA
- DIACETONE ALCOHOL
 - Fish : LC50 = 420 mg/ℓ 96 hr
 - Crustaceans : NO DATA
 - Algae : NO DATA

B. Persistence and degradability

- Propylene glycol methyl ether
 - Persistence : NO DATA
 - Degradability : NO DATA
 - 2-Propanol
 - Persistence : NO DATA
 - Degradability : NO DATA
 - Isobutanol
 - Persistence : log Kow = 0.8
 - Degradability : NO DATA
 - DIACETONE ALCOHOL
 - Persistence : NO DATA
 - Degradability : NO DATA
- C. Bioaccumulative potential
- Propylene glycol methyl ether
 - Bioaccumulative potential : BCF = 2
 - Biodegradation : Biodegradability = 90 (%) 29 day (Aerobic, industrial sewage, Easily decomposed)
 - 2-Propanol
 - Bioaccumulative potential : NO DATA
 - Biodegradation : NO DATA
 - Isobutanol
 - Bioaccumulative potential : NO DATA
 - Biodegradation : NO DATA
 - DIACETONE ALCOHOL
 - Bioaccumulative potential : NO DATA
 - Biodegradation : Biodegradability = 100 (%) 14 day (Aerobic, Easily decomposed)
- D. Mobility in soil
- Propylene glycol methyl ether
 - ▷ NO DATA
 - 2-Propanol
 - ▷ NO DATA
 - Isobutanol
 - ▷ log Kow = 0.8 (1)
 - DIACETONE ALCOHOL
 - ▷ NO DATA
- E. Other adverse effects
- Propylene glycol methyl ether
 - ▷ NO DATA
 - 2-Propanol
 - ▷ NO DATA
 - Isobutanol
 - ▷ NO DATA
 - DIACETONE ALCOHOL
 - ▷ NO DATA

13. Disposal considerations

- A. Disposal methods : To prevent environmental pollution, dispose it to a licensed waste disposal company. Recycle the recycleable materials, such as organic solvents, and then incinerate the residue at high temperature. Pre-treat with oil-water separation method when it is available. Disposal material should keep in the airtight container, and consign according to Waste Material Management Act
- B. Special precautions for disposal : Discard it followed by appropriate regulations Prohibit the unauthorized disposal and incineration due to adversely affect natural ecosystems

14. Transport information

- A. UN number : 1263
- B. Proper shipping name : Paint (including paint, lacquer, enamel, colorants, shellac solutions, varnish, polish, liquid filler and liquid lacquer sealer) or related materials (including paint diluent and reductant).
- C. Hazard class : 3
- D. Packing group : I
- E. Marine pollutant : N/A
- F. Special precautions for user related to transport or transportation measures
- EmS FIRE SCHEDULE : F-E
 - EmS SPILLAGE SCHEDULE : S-E

15. Regulatory information

- Propylene glycol methyl ether
 - Information of EU Classification
 - ▷ Classification : NO DATA
 - ▷ Risk Phrases : NO DATA
 - ▷ Safety Phrase : NO DATA
 - U.S. Federal regulations
 - ▷ OSHA PROCESS SAFETY (29CFR1910.119) : notapplicable
 - ▷ CERCLA Section 103 (40CFR302.4) : notapplicable
 - ▷ EPCRA Section 302 (40CFR355.30) : notapplicable

- ▷ EPCRA Section 304 (40CFR355.40) : notapplicable
- ▷ EPCRA Section 313 (40CFR372.65) : notapplicable
- Rotterdam Convention listed ingredients : NO DATA
- Stockholm Convention listed ingredients : NO DATA
- Montreal Protocol listed ingredients : NO DATA
- 2-Propanol
 - Information of EU Classification
 - ▷ Classification : NO DATA
 - ▷ Risk Phrases : NO DATA
 - ▷ Safety Phrase : NO DATA
 - U.S. Federal regulations
 - ▷ OSHA PROCESS SAFETY (29CFR1910.119) : notapplicable
 - ▷ CERCLA Section 103 (40CFR302.4) : notapplicable
 - ▷ EPCRA Section 302 (40CFR355.30) : notapplicable
 - ▷ EPCRA Section 304 (40CFR355.40) : notapplicable
 - ▷ EPCRA Section 313 (40CFR372.65) : pertinent
 - Rotterdam Convention listed ingredients : NO DATA
 - Stockholm Convention listed ingredients : NO DATA
 - Montreal Protocol listed ingredients : NO DATA
- Isobutanol
 - Information of EU Classification
 - ▷ Classification : NO DATA
 - ▷ Risk Phrases : NO DATA
 - ▷ Safety Phrase : NO DATA
 - U.S. Federal regulations
 - ▷ OSHA PROCESS SAFETY (29CFR1910.119) : notapplicable
 - ▷ CERCLA Section 103 (40CFR302.4) : 2267.995 kg 5000 lb
 - ▷ EPCRA Section 302 (40CFR355.30) : notapplicable
 - ▷ EPCRA Section 304 (40CFR355.40) : notapplicable
 - ▷ EPCRA Section 313 (40CFR372.65) : notapplicable
 - Rotterdam Convention listed ingredients : NO DATA
 - Stockholm Convention listed ingredients : NO DATA
 - Montreal Protocol listed ingredients : NO DATA
- DIACETONE ALCOHOL
 - Information of EU Classification
 - ▷ Classification : NO DATA
 - ▷ Risk Phrases : NO DATA
 - ▷ Safety Phrase : NO DATA
 - U.S. Federal regulations
 - ▷ OSHA PROCESS SAFETY (29CFR1910.119) : notapplicable
 - ▷ CERCLA Section 103 (40CFR302.4) : notapplicable
 - ▷ EPCRA Section 302 (40CFR355.30) : notapplicable
 - ▷ EPCRA Section 304 (40CFR355.40) : notapplicable
 - ▷ EPCRA Section 313 (40CFR372.65) : notapplicable
 - Rotterdam Convention listed ingredients : NO DATA
 - Stockholm Convention listed ingredients : NO DATA
 - Montreal Protocol listed ingredients : NO DATA

16. Other information

A. Reference

This MSDS is based on 'Industrial safety and health' Act paragraph 41 and Proclamation of Ministry of Labor and Employment 2016-19, and considered domestic regulations.

This MSDS is based on KOSHA, NITE, ESIS, NLM, SIDS, IPCS, NCIS.

B. Issue date : 2021-05-25

C. Revision number and Last date revised : 1. 2021-01-13

D. Other : " WWW.NOROO.CO.KR"