

## 1. Identification

- A. Product name : CLEANPOXY WATERPOOL (HARDENER)  
 Usage category : No Data
- B. Recommended Use and Restriction on Use  
 General use : Epoxy hardener  
 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  
 Acute toxicity (inhalation: vapor) Category 4  
 Serious eye damage/irritation Category 1  
 Serious eye damage/irritation Category 2A  
 Specific target organ toxicity(Single exposure) Category 3  
 Specific target organ toxicity(Repeated exposure) Category 1  
 Skin corrosion/irritation Category 2  
 Aspiration hazard Category 1

B. GHS label elements

- Hazard symbols



- Signal words : DANGER

- Hazard statements :

- H226 Flammable liquid and vapour  
 H332 Harmful if inhaled  
 H318 Causes serious eye damage  
 H319 Causes serious eye irritation  
 H335+H336 May cause respiratory irritation, May cause drowsiness and dizziness.  
 H372 Prolonged or repeated exposure may cause lung damage to the body (Refer Section SDS 11)  
 H315 Causes skin irritation  
 H304 May be fatal 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.  
 P261 Avoid breathing dust/fume/gas/mist/vapours/spray.  
 P271 Use only outdoors or in a well-ventilated area.  
 P264 Wash hands and contact areas thoroughly after handling.  
 P260 Do not breathe dust/fume/gas/mist/vapours/spray.  
 P270 Do not eat, drink or smoke when using this product.

- 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).  
 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.  
 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.  
 P314 Get medical advice/attention 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.
  - P403+P233 Store in a well-ventilated place. Keep container tightly closed
  - P405 Save by locking.
- 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
Unsatd. (C=18) fatty acids dimers polymers with triethylenetetramine reaction products with bisphenol A diglycidyl ether polymer		NO DATA	NO DATA	NO DATA
Propylene glycol methyl ether		0	3	0
Xylene		NO DATA	NO DATA	NO DATA
Isobutanol		1	3	0
Trade secret		NO DATA	NO DATA	NO DATA

### 3. Composition/information on ingredients

Chemical Name	Trade names and Synonyms	CAS-NO	Content(%)
Unsatd. (C=18) fatty acids dimers polymers with triethylenetetramine reaction products with bisphenol A diglycidyl ether polymer	Unsatd. (C=18) fatty acids dimers polymers with triethylenetetramine reaction products with bisphenol A diglycidyl ether polymer	68424-41-9	49~59
Propylene glycol methyl ether	Propylene glycol methyl ether	107-98-2	19~29
Xylene	Xylene	1330-20-7	14~24
Isobutanol	Isobutanol	78-83-1	7~17
Trade secret	-	-	1~10

### 4. First-aid measures

- A. Eye Contact : 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 : 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 : 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 : Water is not appropriate extinguishing 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
  - Fire and Explosion danger : Risk of medium-sized fire.
- 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 : 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.

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## 7. Handling and storage

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- A. Precautions for safe 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 : 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.

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## 8. Exposure controls/personal protection

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- A. Exposure Limits
- Unsatd. (C=18) fatty acids dimers polymers with triethylenetetramine reaction products with bisphenol A diglycidyl ether polymer
    - ACGIH : NO DATA
    - Biological exposure indices : NO DATA
  - Propylene glycol methyl ether
    - ACGIH : NO DATA
    - Biological exposure indices : NO DATA
  - Xylene
    - ACGIH : NO DATA
    - Biological exposure indices : NO DATA
  - Isobutanol
    - ACGIH : NO DATA
    - Biological exposure indices : NO DATA
  - Trade secret
    - 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 : 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
  - 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.
  - Hand protection : 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.
  - Skin protection : 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.

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## 9. Physical and chemical properties

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- A. Appearance : liquid
- B. Odor : Solvent odor
- 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) : 25
- H. Evaporating Rate : NO DATA
- I. Flammability(solid, gas)(°C) : NON Flammable
- J. Upper/Lower Flammability or explosive limits : NO DATA
- K. Vapour pressure : NO DATA
- L. Solubility : No Soluble

- M. Vapour density : NO DATA  
N. Specific gravity : 0.90±0.2  
O. Partition coefficient of n-octanol/water : NO DATA  
P. Autoignition temperature(°C) : NO DATA  
Q. Decomposition temperature(°C) : NO DATA  
R. Viscosity : NO DATA  
S. Molecular weight : NO DATA

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## 10. Stability and reactivity

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- 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 combustible materials  
D. Hazardous decomposition products : Thermal decomposition products (carbon etc..)

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## 11. Toxicological information

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- A. Information on the likely routes of exposure  
 Respiratory tracts : Adverse lung effects, Dyspnoea, Hypothermia, Vomiting  
 Oral : Vomiting, 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  
 Unsaturated (C=18) fatty acids dimers polymers with triethylenetetramine reaction products with bisphenol A diglycidyl ether polymer  
- Acute toxicity  
  Oral : NO DATA  
  Dermal : NO DATA  
  Inhalation : NO DATA  
- Skin corrosion/irritation : NO DATA  
- Serious eye damage/irritation : NO DATA  
- 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  
 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  
 Xylene  
- Acute toxicity  
  Oral : LD50=3550 mg/kg rat  
  Dermal : LD50 4350 mg/kg Rabbit  
  Inhalation : LD50 4350 mg/kg Rabbit  
- Skin corrosion/irritation : Skin irritation test in rabbits Causes moderate irritation.  
- Serious eye damage/irritation : Skin irritation test in rabbits Causes moderate irritation.  
- Respiratory sensitization : NO DATA  
- Skin sensitization : NO DATA  
- Carcinogenicity

- IARC : Group 3
- OSHA : NO DATA
- ACGIH : A4
- NTP : NO DATA
- EU CLP : NO DATA
- Germ cell mutagenicity : If three people a voice dynamics, somatic cell mutagenicity tests in vivo (micronucleus test, chromosome test) Voice
- Reproductive toxicity : If three people a voice dynamics, somatic cell mutagenicity tests in vivo (micronucleus test, chromosome test) Voice
- STOT-single exposure : NO DATA
- STOT-repeated exposure : NO DATA
- Aspiration hazard : In the liquid can cause chemical pneumonia if swallowed.
- 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.
- Trade secret
  - Acute toxicity
    - Oral : NO DATA
    - Dermal : NO DATA
    - Inhalation : NO DATA
  - Skin corrosion/irritation : NO DATA
  - Serious eye damage/irritation : NO DATA
  - 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

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## 12. Ecological information

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- A. Ecotoxicity
- Unsatd. (C=18) fatty acids dimers polymers with triethylenetetramine reaction products with bisphenol A diglycidyl ether polymer
    - Fish : NO DATA
    - Crustaceans : NO DATA
    - Algae : NO DATA
  - Propylene glycol methyl ether
    - Fish : NO DATA
    - Crustaceans : EC50 > 500 mg/ℓ 48 hr
    - Algae : NO DATA
  - Xylene
    - Fish : NO DATA
    - Crustaceans : NO DATA
    - Algae : NO DATA
  - Isobutanol
    - Fish : LC50 = 1000 mg/ℓ 96 hr
    - Crustaceans : EC50 = 1250 mg/ℓ 24 hr
    - Algae : NO DATA
  - Trade secret
    - Fish : NO DATA
    - Crustaceans : NO DATA

- Algae : NO DATA
- B. Persistence and degradability
  - Unsatd. (C=18) fatty acids dimers polymers with triethylenetetramine reaction products with bisphenol A diglycidyl ether polymer
    - Persistence : NO DATA
    - Degradability : NO DATA
  - Propylene glycol methyl ether
    - Persistence : NO DATA
    - Degradability : NO DATA
  - Xylene
    - Persistence : NO DATA
    - Degradability : NO DATA
  - Isobutanol
    - Persistence : log Kow = 0.8
    - Degradability : NO DATA
  - Trade secret
    - Persistence : NO DATA
    - Degradability : NO DATA
- C. Bioaccumulative potential
  - Unsatd. (C=18) fatty acids dimers polymers with triethylenetetramine reaction products with bisphenol A diglycidyl ether polymer
    - Bioaccumulative potential : NO DATA
    - Biodegradation : NO DATA
  - Propylene glycol methyl ether
    - Bioaccumulative potential : BCF = 2
    - Biodegradation : Biodegradability = 90 (%) 29 day (Aerobic, industrial sewage, Easily decomposed)
  - Xylene
    - Bioaccumulative potential : NO DATA
    - Biodegradation : 39 (%)
  - Isobutanol
    - Bioaccumulative potential : NO DATA
    - Biodegradation : NO DATA
  - Trade secret
    - Bioaccumulative potential : NO DATA
    - Biodegradation : NO DATA
- D. Mobility in soil
  - Unsatd. (C=18) fatty acids dimers polymers with triethylenetetramine reaction products with bisphenol A diglycidyl ether polymer
    - ▷ NO DATA
  - Propylene glycol methyl ether
    - ▷ NO DATA
  - Xylene
    - ▷ log Kow = 3.12 (measured) (ortho), 3.2 (measured) (meta), 3.15 (measurements) (p) (5)
  - Isobutanol
    - ▷ log Kow = 0.8 (1)
  - Trade secret
    - ▷ NO DATA
- E. Other adverse effects
  - Unsatd. (C=18) fatty acids dimers polymers with triethylenetetramine reaction products with bisphenol A diglycidyl ether polymer
    - ▷ NO DATA
  - Propylene glycol methyl ether
    - ▷ NO DATA
  - Xylene
    - ▷ NO DATA
  - Isobutanol
    - ▷ NO DATA
  - Trade secret
    - ▷ NO DATA

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### 13. Disposal considerations

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- A. Disposal methods : Disposal material should keep in the airtighted container, and consign according to Waste Mateial 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
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### 14. Transport information

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- 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 : III
- 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

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## 15. Regulatory information

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- Unsatd. (C=18) fatty acids dimers polymers with triethylenetetramine reaction products with bisphenol A diglycidyl ether polymer
  - Information of EU Classification
    - ▷ Classification : NO DATA
    - ▷ Risk Phrases : NO DATA
    - ▷ Safety Phrase : NO DATA
  - U.S. Federal regulations
    - ▷ OSHA PROCESS SAFETY (29CFR1910.119) : NO DATA
    - ▷ CERCLA Section 103 (40CFR302.4) : NO DATA
    - ▷ EPCRA Section 302 (40CFR355.30) : NO DATA
    - ▷ EPCRA Section 304 (40CFR355.40) : NO DATA
    - ▷ EPCRA Section 313 (40CFR372.65) : NO DATA
  - Rotterdam Convention listed ingredients : NO DATA
  - Stockholm Convention listed ingredients : NO DATA
  - Montreal Protocol listed ingredients : NO DATA
- 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
- Xylene
  - 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) : 45.3599 kg 100 lb
    - ▷ 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
- Trade secret
  - Information of EU Classification
    - ▷ Classification : NO DATA
    - ▷ Risk Phrases : NO DATA
    - ▷ Safety Phrase : NO DATA
  - U.S. Federal regulations
    - ▷ OSHA PROCESS SAFETY (29CFR1910.119) : NO DATA
    - ▷ CERCLA Section 103 (40CFR302.4) : NO DATA
    - ▷ EPCRA Section 302 (40CFR355.30) : NO DATA
    - ▷ EPCRA Section 304 (40CFR355.40) : NO DATA
    - ▷ EPCRA Section 313 (40CFR372.65) : NO DATA
  - Rotterdam Convention listed ingredients : NO DATA
  - Stockholm Convention listed ingredients : NO DATA
  - Montreal Protocol listed ingredients : NO DATA

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## 16. Other information

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- 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 : 2021-01-13

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

D. Other : " [WWW.NOROO.CO.KR](http://WWW.NOROO.CO.KR)"