

## 1. Identification

- A. Product name : HIQ PRIMER-SURFACER HARDENER PSH-507  
 Usage category : No Data
- B. Recommended Use and Restriction on Use  
 General use : automotive refinish  
 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  
Acute Toxicity (Inhalation: dust / mist) Category 2  
Carcinogenicity Category 2  
Serious eye damage/irritation Category 2A  
Specific target organ toxicity(Repeated exposure) Category 1  
Specific target organ toxicity(Repeated exposure) Category 2  
Skin sensitization Category 1(1A, 1B)  
Skin corrosion/irritation Category 2  
Respiratory sensitization Category 1(1A, 1B)  
Aspiration hazard Category 1  
Acute toxicity (oral) Category 5  
Acute toxicity (dermal) Category 5
- B. GHS label elements  
 Hazard symbols
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- Signal words : DANGER
- Hazard statements :
- H226 Flammable liquid and vapour
  - H332 Harmful if inhaled
  - H330 Fatal if inhaled
  - H351 Suspected of causing cancer
  - H319 Causes serious eye irritation
  - H372 Prolonged or repeated exposure may cause lung damage to the body (Refer Section SDS 11)
  - H373 Prolonged or repeated exposure may cause damage to the liver, testes, skin, respiratory system, blood and central nervous system of the body (Refer Section SDS 11)
  - H317 May cause an allergic skin reaction
  - H315 Causes skin irritation
  - H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled
  - H304 May be fatal if swallowed and enters airways
  - H303 May be harmful if swallowed.
  - H313 May be harmful in contact with skin.
- 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.
    - P260 Do not breathe dust/fume/gas/mist/vapours/spray.
    - P284 (In case of poor ventilation) Wear respiratory 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.
    - P270 Do not eat, drink or smoke when using this product.
    - P272 Contaminated work clothing should not be allowed out of the workplace.
  - 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.  
P310 Immediately call a POISON CENTER or doctor/physician.  
P320 Specific treatment  
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.  
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.  
P333+P313 If skin irritation or rash occurs: Get medical advice/attention.  
P321 Specific treatment  
P362+P364 Take off contaminated clothing and wash before reuse.  
P332+P313 If skin irritation occurs: Get medical advice/attention.  
P342+P311 If respiratory symptoms occur, get medical attention.  
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	GHS Classification
Xylene		NO DATA	NO DATA	NO DATA	H226, H303, H304, H313, H315, H319, H332, H372
1,6-Diisocyanatohexane homopolymer	2	2	1	1	NO DATA
Ethylbenzene	2	2	3	0	H226, H303, H304, H313, H315, H319, H332, H373
Trade secret		NO DATA	NO DATA	NO DATA	NO DATA
Diphenyl methane diisocyanate		3	1	1	H303, H313, H315, H317, H319, H330, H334, H373

3. Composition/information on ingredients

Chemical Name	Trade names and Synonyms	CAS-NO	Content (%)
Xylene	Xylene	1330-20-7	58-68
1,6-Diisocyanatohexane homopolymer	1,6-Diisocyanatohexane homopolymer	28182-81-2	17-27
Ethylbenzene	Ethylbenzene	100-41-4	8-18
Trade secret	-	-	4-14
Diphenyl methane diisocyanate	Diphenyl methane diisocyanate	101-68-8	1-10

4. First-aid measures

- A. Eye Contact : Flush exposed eyes with plenty of water for more than 15minutes.  
If irritation, pain, swelling, tears or glaring happens, take medical assistant immediately
- B. Skin Contact : Remove exposed clothing, and wash off exposed area with soap and water.  
If symptoms like irritation or pain occurs, take medical assistant immediately.  
Wash off with soap and water for more than 15 minutes. And take medical assistant immediately.
- C. Inhalation : Avoid from exposure, and move into an area with fresh air.  
If not breathing, perform the artificial respiration.  
If inhaled or swallowed, do not perform the inhalation phase of breathing  
Perform the artificial respiration, using the pocket mask with one way valves or other respiratory medical devices.  
If hard to breathe, administering oxygen  
Remove contaminated clothing and shoes, and isolate it.  
Take a medical assistant immediately.
- D. Ingestion Contact : 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.  
Take proper medical assistant by symptoms.  
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
- 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 : Spread large amount of the extinguishing agent as a mist form with staying against wind.  
Stay away more than 800m to avoid tank explosion.  
Use appropriate protective device depend on the situation.
- 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 : Use appropriate extinguishing agents to catch fire.  
If there is no risk, moving containers away from fire.  
Cooling containers with water long time after extinguish fire.  
Block the area except for the fire-suppression personnel.

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## 6. Accidental release measures

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

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## 7. Handling and storage

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- A. Precautions for safe handling : Keep or handle followed by Dangerous goods Safety Management Act  
Ground for preventing the static discharge  
Seal the container for minimizing the petroleum steam  
Use local ventilations and a full ventilation system when handling
- B. Conditions for safe storage, including any incompatibilities : Because of evaporation and contamination concerns, airtight the container and store in a well-ventilated building.  
Avoid direct sunlight while storing outdoor.  
Storage temperature: 5 ~ 35 °C  
Avoid strong oxidizing agents, acid.  
Stored in an isolated place, freezing caution, high temperature body caution.

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## 8. Exposure controls/personal protection

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- A. Exposure Limits
- Xylene
    - ACGIH : NO DATA
    - Biological exposure indices : NO DATA
  - 1,6-Diisocyanatohexane homopolymer
    - ACGIH : NO DATA
    - Biological exposure indices : NO DATA
  - Ethylbenzene
    - ACGIH : NO DATA
    - Biological exposure indices : NO DATA
  - Trade secret
    - ACGIH : NO DATA
    - Biological exposure indices : NO DATA
  - Diphenyl methane diisocyanate
    - 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 : Respirators should be authorized by Korea Occupational Safety and Health Agency  
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.
- Eye protection : Use the respirator for organic solvent or higher level.  
Install washing facilities and an emergency washing facilities close to workplace.  
Let workers do wear the safety glasses in case hazard caused by mist may be expected.
- Hand protection : 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.  
Wear the chemical protective gloves
- Skin protection : 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.  
Wear appropriate chemical protective clothing.

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## 9. Physical and chemical properties

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- A. Appearance : Transparent liquid
- B. Odor : sovent 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) : 135-143
- G. Flash point(°C) : 28.3
- 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 DATA
- M. Vapour density : higher than air
- N. Specific gravity : 0.9-1.1
- O. Partition coefficient of n-octanol/water : NO DATA
- P. Autoignition temperature(°C) : 499
- 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 : Do not contact with heat, spark, flame or other flammable sources  
Avoid contaminants and friction
- C. Conditions to avoid : Oxidation agent, metal and combustable 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, 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
  - 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.
- 1,6-Diisocyanatohexane homopolymer
  - 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 : This risk may be increased by exposure to a case : Respiratory disorders, skin disorders and allergies
  - Aspiration hazard : NO DATA
- Ethylbenzene
  - Acute toxicity
    - Oral : LD50 = 3500 mg/kg Rat
    - Dermal : LD50 = 15400 mg/kg Rabbit
    - Inhalation : Steam LC50 = 4000 ppm 4 hr Rat (Equivalents : 17.4 mg/L)
  - Skin corrosion/irritation : skin Irritation test result weak Irritation
  - Serious eye damage/irritation : Rabbit eye irritation test results in a slight conjunctival irritation, recoverable damage.
  - Respiratory sensitization : NO DATA
  - Skin sensitization : NO DATA
  - Carcinogenicity
    - IARC : Group 2B
    - OSHA : NO DATA
    - ACGIH : A3
    - NTP : NO DATA
    - EU CLP : NO DATA
  - Germ cell mutagenicity : Micronucleustest Negative (7)
  - Reproductive toxicity : Micronucleustest Negative (7)
  - STOT-single exposure : It causes central nervous system effects in laboratory animals and airway irritation.
  - STOT-repeated exposure : NO DATA
  - Aspiration hazard : Hydrocarbons. Swallowing the liquid by aspiration may cause chemical pneumonia. Ties seongryul 0.74 mm<sup>2</sup> / s (25 °C)
- 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
- Diphenyl methane diisocyanate
  - Acute toxicity
    - Oral : LD50 31600 mg/kg Rat
    - Dermal : NO DATA
    - Inhalation : LC50 = 1 ~ 5 mg/L
  - Skin corrosion/irritation : Irritation is that in rabbit skin
  - Serious eye damage/irritation : Show rabbit eye irritation
  - Respiratory sensitization : Classified respiratory sensitizer.
  - Skin sensitization : It causes skin sensitization in the mouse.
  - Carcinogenicity
    - IARC : Group 3
    - OSHA : NO DATA
    - ACGIH : NO DATA

- NTP : NO DATA
- EU CLP : Carc. 2
- Germ cell mutagenicity : Using the mouse erythrocyte micronucleus test results voice
- Reproductive toxicity : Using the mouse erythrocyte micronucleus test results voice
- STOT-single exposure : tating to human airway
- STOT-repeated exposure : Alveolar bronchioles and alveoli affect the growth and moderate interstitial fibrosis of the lung ventilator. Byal saengyi increased during occupational exposure to human respiratory depression and lung disease
- Aspiration hazard : NO DATA

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## 12. Ecological information

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### A. Ecotoxicity

- Xylene
  - Fish : NO DATA
  - Crustaceans : NO DATA
  - Algae : NO DATA
- 1,6-Diisocyanatohexane homopolymer
  - Fish : NO DATA
  - Crustaceans : NO DATA
  - Algae : NO DATA
- Ethylbenzene
  - Fish : LC50 = 9.09 mg/ℓ 96 hr
  - Crustaceans : LC50 = 0.4 mg/ℓ 96 hr
  - Algae : NO DATA
- Trade secret
  - Fish : NO DATA
  - Crustaceans : NO DATA
  - Algae : NO DATA
- Diphenyl methane diisocyanate
  - Fish : NO DATA
  - Crustaceans : NO DATA
  - Algae : NO DATA

### B. Persistence and degradability

- Xylene
  - Persistence : NO DATA
  - Degradability : NO DATA
- 1,6-Diisocyanatohexane homopolymer
  - Persistence : NO DATA
  - Degradability : NO DATA
- Ethylbenzene
  - Persistence : NO DATA
  - Degradability : NO DATA
- Trade secret
  - Persistence : NO DATA
  - Degradability : NO DATA
- Diphenyl methane diisocyanate
  - Persistence : NO DATA
  - Degradability : NO DATA

### C. Bioaccumulative potential

- Xylene
  - Bioaccumulative potential : NO DATA
  - Biodegradation : 39 (%)
- 1,6-Diisocyanatohexane homopolymer
  - Bioaccumulative potential : NO DATA
  - Biodegradation : NO DATA
- Ethylbenzene
  - Bioaccumulative potential : NO DATA
  - Biodegradation : NO DATA
- Trade secret
  - Bioaccumulative potential : NO DATA
  - Biodegradation : NO DATA
- Diphenyl methane diisocyanate
  - Bioaccumulative potential : NO DATA
  - Biodegradation : NO DATA

### D. Mobility in soil

- Xylene
  - ▷ log Kow = 3.12 (measured) (ortho), 3.2 (measured) (meta), 3.15 (measurements) (p) (5)
- 1,6-Diisocyanatohexane homopolymer
  - ▷ NO DATA
- Ethylbenzene
  - ▷ log Kow = 3.15 (11)
- Trade secret
  - ▷ NO DATA
- Diphenyl methane diisocyanate
  - ▷ NO DATA

### E. Other adverse effects

- Xylene
  - ▷ NO DATA

- 1,6-Diisocyanatohexane homopolymer
  - ▷ NO DATA
- Ethylbenzene
  - ▷ NO DATA
- Trade secret
  - ▷ NO DATA
- Diphenyl methane diisocyanate
  - ▷ 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 : Prohibit the unauthorized disposal and incineration due to adversely affect natural ecosystems  
Discard it followed by appropriate regulations

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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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- 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
- 1,6-Diisocyanatohexane homopolymer
  - 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
- Ethylbenzene
  - 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) : 453.599 kg 1000 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
- 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
- Diphenyl methane diisocyanate
  - 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) : pertinent
  - 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

- The information contained herein is believed to be accurate. It is provided independently of any sale of the product for purpose of hazard communication. It is not intended to constitute performance information concerning the product. No express warranty, or implied warranty of merchantability or fitness for a particular purpose is made with respect to the product or the information contained herein.

- This Safety Data Sheet was compiled with data and information from the following sources: KOSHA, NITE, ESIS,NLM, SIDS, IPCS

B. Issue date : 2007-07-20

C. Revision number and Last date revised : 4. 2021-01-13

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