

## 1. Identification

- A. Product name : HIQ PRIMER SURFACER HARDENER PSH-518  
○ Usage category : Hardener
- 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 2  
Reproductive toxicity Category 2  
Serious eye damage/irritation Category 2A  
Specific target organ toxicity(Repeated exposure) Category 2  
Skin corrosion/irritation Category 2  
Respiratory sensitization Category 1  
Aspiration hazard Category 1

- B. GHS label elements  
○ Hazard symbols



- Signal words : DANGER
- Hazard statements :
- H225 Highly flammable liquid and vapour
  - H361 Suspected of damaging fertility or the unborn child
  - H319 Causes serious eye irritation
  - 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)
  - 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
- 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.
    - P260 Do not breathe dust/fume/gas/mist/vapours/spray.
    - P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
    - P284 (In case of poor ventilation) Wear respiratory protection.
  - 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.
    - 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.
    - P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
    - 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.  
P405 Store 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
Toluene		2	3	0	H225, H304, H315, H319, H361, H373
AROMATIC POLYISOCYANATE		NO DATA	NO DATA	NO DATA	NO DATA
n-Butyl acetate		2	3	0	H225
Acetic acid ethyl ester		1	3	0	H225
4-Methylbenzenesulfonyl isocyanate		2	1	2	H334

### 3. Composition/information on ingredients

Chemical Name	Trade names and Synonyms	CAS-NO	Content (%)
Toluene	Toluene	108-88-3	41-51
AROMATIC POLYISOCYANATE	AROMATIC POLYISOCYANATE	1431-54-5	28-38
n-Butyl acetate	n-Butyl acetate	123-86-4	14-24
Acetic acid ethyl ester	Acetic acid ethyl ester	141-78-6	8-18
4-Methylbenzenesulfonyl isocyanate	4-Methylbenzenesulfonyl isocyanate	4083-64-1	0.1-4

### 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 : Avoid digestion using direct water.  
 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.

### 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 : 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.

---

## 7. Handling and storage

---

- 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.

---

## 8. Exposure controls/personal protection

---

- A. Exposure Limits
- Toluene
    - ACGIH : NO DATA
    - Biological exposure indices : 血液中 Toluene : 0.02 mg/L(工作前), 尿中 Toluene : 0.03 mg/L(工作后), 尿中(with hydrolysis) o-Cresol : 0.3 mg/g creatinine(工作后)
  - AROMATIC POLYISOCYANATE
    - ACGIH : NO DATA
    - Biological exposure indices : NO DATA
  - n-Butyl acetate
    - ACGIH : NO DATA
    - Biological exposure indices : NO DATA
  - Acetic acid ethyl ester
    - ACGIH : NO DATA
    - Biological exposure indices : NO DATA
  - 4-Methylbenzenesulfonyl isocyanate
    - 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.  
Consider warning properties before use.  
Respiratory protection may be needed, while frequent use or heavy exposure.  
Respiratory protection is ranked in order from minimum to maximum
  - 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  
Wear appropriate 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.  
Wear cleanroom garment or appropriate protective clothing to prevent contamination

---

## 9. Physical and chemical properties

---

- A. Appearance : yellowish 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) : 75.5~129
- G. Flash point(°C) : 10.6
- 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 : heavier than air
- N. Specific gravity : 0.94~0.98
- O. Partition coefficient of n-octanol/water : NO DATA
- P. Autoignition temperature(°C) : 407
- Q. Decomposition temperature(°C) : NO DATA
- R. Viscosity : NO DATA
- S. Molecular weight : NO DATA

---

## 10. Stability and reactivity

---

- 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 combustible 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
- Toluene
    - Acute toxicity
      - Oral : rat LD50=2600 mg/kg
      - Dermal : rabbit LD50=12,000 mg/kg
      - Inhalation : rabbit LD50=12,000 mg/kg
    - Skin corrosion/irritation : Rabbit skin irritation test using the results of the Causes moderate irritation.
    - Serious eye damage/irritation : Eyes irritant test using a rabbit raised for 6 days reversible irritation.
    - Respiratory sensitization : NO DATA
    - Skin sensitization : Tests with negative results Guinea
    - Carcinogenicity
      - IARC : Group 3
      - OSHA : NO DATA
      - ACGIH : A4
      - NTP : NO DATA
      - EU CLP : NO DATA
    - Germ cell mutagenicity : Dominant lethal test negative, positive micronucleus test, chromosome aberration test positive
    - Reproductive toxicity : Dominant lethal test negative, positive micronucleus test, chromosome aberration test positive
    - STOT-single exposure : Causes acts on the central nervous system in humans, fatigue, drowsiness, dizziness, respiratory irritation, agitation, vomiting, central nervous system depression, confusion, gait abnormalities. Eyes, nose, causing irritation of the throat. In experimental animals
    - STOT-repeated exposure : Headaches accompanied by people from hearing loss or visual field constriction, or nystagmus, tremor, ataxia, loss of memory, such as chronic central nervous system disorder that appears. Noewichuk is observed. It appears kidney dysfunction such as hematuria or pro
    - Aspiration hazard : NO DATA
  - AROMATIC POLYISOCYANATE
    - 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
- n-Butyl acetate
  - Acute toxicity
    - Oral : LD50 = 14130 mg/kg Rat
    - Dermal : LD50 = 17600 mg/kg Rabbit
    - Inhalation : LD50 = 17600 mg/kg Rabbit
  - Skin corrosion/irritation : Causes a weak stimulus person.
  - Serious eye damage/irritation : Non-irritating to rabbit eye irritation
  - Respiratory sensitization : NO DATA
  - Skin sensitization : Not a skin sensitizer
  - 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 : Central nervous system disorders who. pulmonary edema, respiratory irritation.
  - STOT-repeated exposure : NO DATA
  - Aspiration hazard : NO DATA
- Acetic acid ethyl ester
  - Acute toxicity
    - Oral : LD50 5620 mg/kg Rat
    - Dermal : LD50 > 18000 mg/kg Rabbit
    - Inhalation : LD50 > 18000 mg/kg Rabbit
  - Skin corrosion/irritation : Unstimulated human and rabbit
  - Serious eye damage/irritation : Since the stimulus is shown, but recovered within seven days from the eyes of rabbits nine minutes outside (nite).
  - Respiratory sensitization : NO DATA
  - Skin sensitization : Skin sensitization tests in humans and rabbits negative
  - Carcinogenicity
    - IARC : NO DATA
    - OSHA : NO DATA
    - ACGIH : NO DATA
    - NTP : NO DATA
    - EU CLP : NO DATA
  - Germ cell mutagenicity : In vivo micronucleus test negative
  - Reproductive toxicity : In vivo micronucleus test negative
  - STOT-single exposure : It causes upper respiratory tract irritation in humans. When exposed to near lethal levels of anesthesia and the concentration causing lung damage.
  - STOT-repeated exposure : NO DATA
  - Aspiration hazard : NO DATA
- 4-Methylbenzenesulfonyl isocyanate
  - Acute toxicity
    - Oral : LD50 = 2234 mg/kg Rat
    - Dermal : NO DATA
    - Inhalation : NO DATA
  - Skin corrosion/irritation : Rabbit test both STANDARD Draii: 500 uL/24H; middle (middle irritant)
  - Serious eye damage/irritation : Draii rabbit test both STANDARD: 100 uL; reaction: Moderate (stimulation of)
  - Respiratory sensitization : NO DATA
  - Skin sensitization : H334 (allergy and asthma symptoms, and may cause breathing difficulty)
  - 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 : H335 (May cause respiratory irritation)
  - STOT-repeated exposure : NO DATA
  - Aspiration hazard : R20, R23, R26

---

## 12. Ecological information

---

### A. Ecotoxicity

- Toluene
  - Fish : LC50 24 mg/ℓ 96 hr *Oncorhynchus mykiss*
  - Crustaceans : EC50 11.5 mg/ℓ 48 hr *Daphnia magna*
  - Algae : NO DATA
- AROMATIC POLYISOCYANATE
  - Fish : NO DATA
  - Crustaceans : NO DATA

- Algae : NO DATA
  - n-Butyl acetate
    - Fish : LC50 = 62 mg/ℓ 96 hr
    - Crustaceans : LC50 = 32 mg/ℓ 48 hr
    - Algae : NO DATA
  - Acetic acid ethyl ester
    - Fish : LC50 230 mg/ℓ 96 hr Pimephales promelas
    - Crustaceans : EC50 717 mg/ℓ 48 hr Daphnia magna
    - Algae : EC50 1800 ~ 3200 mg/ℓ 72 hr (Selenastrum sp.)
  - 4-Methylbenzenesulfonyl isocyanate
    - Fish : LC50 = 133 mg/ℓ 14 day
    - Crustaceans : NO DATA
    - Algae : NO DATA
- B. Persistence and degradability
- Toluene
    - Persistence : log Kow 2.73
    - Degradability : NO DATA
  - AROMATIC POLYISOCYANATE
    - Persistence : log Kow 9.38
    - Degradability : NO DATA
  - n-Butyl acetate
    - Persistence : log Kow = 1.78
    - Degradability : NO DATA
  - Acetic acid ethyl ester
    - Persistence : log Kow 0.73
    - Degradability : BOD5/COD 0.81
  - 4-Methylbenzenesulfonyl isocyanate
    - Persistence : log Kow = 2.34 (Estimates)
    - Degradability : NO DATA
- C. Bioaccumulative potential
- Toluene
    - Bioaccumulative potential : NO DATA
    - Biodegradation : 86 (%) 20 day
  - AROMATIC POLYISOCYANATE
    - Bioaccumulative potential : BCF 911.4 (Has the potential bioaccumulation)
    - Biodegradation : (Non - biodegradability(BIOWIN5:-0.9078))
  - n-Butyl acetate
    - Bioaccumulative potential : NO DATA
    - Biodegradation : Biodegradability = 98 (%)
  - Acetic acid ethyl ester
    - Bioaccumulative potential : BCF 30
    - Biodegradation : 100 (%) 28 day
  - 4-Methylbenzenesulfonyl isocyanate
    - Bioaccumulative potential : BCF = 12.7
    - Biodegradation : NO DATA
- D. Mobility in soil
- Toluene
    - ▷ NO DATA
  - AROMATIC POLYISOCYANATE
    - ▷ Koc 5.905
  - n-Butyl acetate
    - ▷ NO DATA
  - Acetic acid ethyl ester
    - ▷ NO DATA
  - 4-Methylbenzenesulfonyl isocyanate
    - ▷ NO DATA
- E. Other adverse effects
- Toluene
    - ▷ NO DATA
  - AROMATIC POLYISOCYANATE
    - ▷ NO DATA
  - n-Butyl acetate
    - ▷ NO DATA
  - Acetic acid ethyl ester
    - ▷ NO DATA
  - 4-Methylbenzenesulfonyl isocyanate
    - ▷ NO DATA

---

### 13. Disposal considerations

---

- 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
- 

### 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 : II

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

---

Toluene

- 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

AROMATIC POLYISOCYANATE

- 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

n-Butyl acetate

- 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

Acetic acid ethyl ester

- 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

4-Methylbenzenesulfonyl isocyanate

- 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

- 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 : 2015-02-26

C. Revision number and Last date revised : 5.(2022-08-16)

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