

## 1. Identification

- A. Product name : Bodyian Anti-Graffiti Additive  
 Usage category : Oil paint
- B. Recommended Use and Restriction on Use  
 General use : Anti-Graffiti Additive  
 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  
 Carcinogenicity Category 2  
 Serious eye damage/irritation Category 2A  
 Specific target organ toxicity(Repeated exposure) Category 1  
 Skin corrosion/irritation Category 2  
 Aspiration hazard Category 1  
 Acute toxicity (dermal) Category 5

B. GHS label elements

- Hazard symbols



- Signal words : DANGER

- Hazard statements :

- H226 Flammable liquid and vapour  
 H332 Harmful 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)  
 H315 Causes skin irritation  
 H304 May be fatal if swallowed and enters airways  
 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.  
 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.  
 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.  
 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.

- 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
Xylene		NO DATA	NO DATA	NO DATA	H226, H304, H313, H315, H319, H332, H372
Propylene glycol methyl ether acetate		1	2	0	H226, H313
n-Butyl acetate		2	3	0	H226, H313
Ethylbenzene		2	3	0	H226, H304, H313, H315, H319, H332
Trade secret		NO DATA	NO DATA	NO DATA	NO DATA

### 3. Composition/information on ingredients

Chemical Name	Trade names and Synonyms	CAS-NO	Content(%)
Xylene	Xylene	1330-20-7	33-43
Propylene glycol methyl ether acetate	Propylene glycol methyl ether acetate	108-65-6	32-42
n-Butyl acetate	n-Butyl acetate	123-86-4	18-28
Ethylbenzene	Ethylbenzene	100-41-4	5-15
Trade secret	-	-	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  
 Do not rub your eyes.  
 If you wear a contact lenses, remove them first.
- 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.  
 If symptoms like redness or irritation occurs, take medical assistant immediately.  
 Wash carefully after handling.  
 Wear gloves while washing the patient and avoid contact with exposed clothes.
- 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  
 Flush mouth with water immediately.
- 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.  
 Avoid use waterjet as fire extinguishing agent.  
 Avoid extinguishing fire with halogenting 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  
 Irritating and highly toxic gases may produced during the combustion by pyrolysis or combustion itself.
  - Fire and Explosion danger : Risk of medium-sized fire.  
 Aqueous (Exclude water-soluble one) products does not have risk of fire or explosion hazard by itself.  
 Vapor may be released to the ignition source and ignited.  
 May form explosive mixture at or above ignition point  
 Container may explode when heating  
 Leakages may fire / explosion hazard and could be easily ignited by heat, sparks or flames.

Vapors may explode indoors, outdoors, and in drains

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.  
Protect others from access and prohibit access to dangerous areas.  
Tell the fire department, location of the fire and the hazardous features.  
Use an unmanned fire extinguishing device, in case of large-sized fire. If not, leave it to burn.  
Avoid inhalation of the substance or combustion products.  
Do not approach if the tank is on fire.

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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  
Wash carefully after handling.  
Avoid contact with prohibited materials in mixture.  
Do not handle until read and understood all safety precautions.  
Do not inhale vapor for long-term or repeatedly.  
Avoid contact with heat, sparks, flames or other sources of ignition.  
Do not take contaminated clothings away from the work area.  
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.

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.  
Storage temperature: 5 ~ 15 °C  
Storage temperature: 15 ~ 25 °C  
Storage temperature: 25 ~ 35 °C  
Store in a cool, dry, well-ventilated area.  
Check periodically for leaks  
Store in accordance with all current law and regulations.  
Store in original container only.  
Prevent static electricity and do not store near heat sources.  
Collect in an airtight container to dispose.  
Store away from waterworks and sewers.

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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
- Propylene glycol methyl ether acetate
  - ACGIH : NO DATA
  - Biological exposure indices : NO DATA
- n-Butyl acetate

- 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
- 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  
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 : 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.  
If there is possibility of direct contact or exposure to these substances should wear authorized safty glasses or mask.
  - 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  
If there is possibility of direct contact or exposure to these substances should wear authorized safety gloves for chemicals.
  - 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  
If there is a possibility of direct contact or exposure to the substance Wear protective clothing for chemical substances

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## 9. Physical and chemical properties

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- A. Appearance : transparent 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) : 112~150°C
- G. Flash point(°C) : 34
- 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 : 0.85~0.95
- O. Partition coefficient of n-octanol/water : NO DATA
- P. Autoignition temperature(°C) : 354°C
- 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.
- Propylene glycol methyl ether acetate
  - Acute toxicity
    - Oral : LD50 = 8532 mg/kg Rat
    - Dermal : LD50 > 5000 mg/kg Rabbit
    - Inhalation : LD50 > 5000 mg/kg Rabbit
  - Skin corrosion/irritation : rabbit: non-Irritation
  - Serious eye damage/irritation : Rabbit: mild irritant
  - Respiratory sensitization : NO DATA
  - Skin sensitization : Guinea pig / maximization test (GLP): No sensitization
  - Carcinogenicity
    - IARC : NO DATA
    - OSHA : NO DATA
    - ACGIH : NO DATA
    - NTP : NO DATA
    - EU CLP : NO DATA
  - Germ cell mutagenicity : In vitro - Salmonella typhimurium/TA98, TA100, TA1535, TA1537 (ames test, GLP): With and without metabolic activation system- Negative, CHL Cells/Chromosomal abnormalitiestest (GLP):With and without metabolic activation system- Negative, rat Hepatocyte/UDStest (GLP)
  - Reproductive toxicity : In vitro - Salmonella typhimurium/TA98, TA100, TA1535, TA1537 (Return mutation test, GLP): Negative (negative), CHL Cells / Chromosome aberration test (GLP): Negative (negative), rat hepatocyte / UDS test (GLP) : Negative in the absence of metabolic activation system
  - STOT-single exposure : Reported liver effects in humans. Rat Causes affect the spleen. In mice causes an effect on the central nervous system, and lung. That the anesthetic effect on the animal. Irritating to the prayers of people. (ACGIH, etc.)
  - STOT-repeated exposure : Reported affect the kidneys, liver, central nervous system in humans. (PATTY 5th)
  - 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
- 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 mm2 / 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

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## 12. Ecological information

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- A. Ecotoxicity
- Xylene
    - Fish : NO DATA
    - Crustaceans : NO DATA
    - Algae : NO DATA
  - Propylene glycol methyl ether acetate
    - Fish : LC50 ≥ 100 mg/ℓ 96 hr *Oryzias latipes*
    - Crustaceans : EC50 = 373 mg/ℓ 48 hr *Daphnia magna*
    - Algae : EC50 ≥ 1000 mg/ℓ 72 hr *Selenastrum capricornutum*
  - n-Butyl acetate
    - Fish : LC50 = 62 mg/ℓ 96 hr
    - Crustaceans : LC50 = 32 mg/ℓ 48 hr
    - 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
- B. Persistence and degradability
- Xylene
    - Persistence : NO DATA
    - Degradability : NO DATA
  - Propylene glycol methyl ether acetate
    - Persistence : log Kow = 0.43
    - Degradability : NO DATA
  - n-Butyl acetate
    - Persistence : log Kow = 1.78
    - Degradability : NO DATA
  - Ethylbenzene
    - Persistence : NO DATA
    - Degradability : NO DATA
  - Trade secret
    - Persistence : NO DATA
    - Degradability : NO DATA

- C. Bioaccumulative potential
- Xylene
    - Bioaccumulative potential : NO DATA
    - Biodegradation : 39 (%)
  - Propylene glycol methyl ether acetate
    - Bioaccumulative potential : NO DATA
    - Biodegradation : Biodegradability > 60 (%) 28 day
  - n-Butyl acetate
    - Bioaccumulative potential : NO DATA
    - Biodegradation : Biodegradability = 98 (%)
  - Ethylbenzene
    - Bioaccumulative potential : NO DATA
    - Biodegradation : NO DATA
  - Trade secret
    - 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)
  - Propylene glycol methyl ether acetate
    - ▷ NO DATA
  - n-Butyl acetate
    - ▷ NO DATA
  - Ethylbenzene
    - ▷ log Kow = 3.15 (11)
  - Trade secret
    - ▷ NO DATA
- E. Other adverse effects
- Xylene
    - ▷ NO DATA
  - Propylene glycol methyl ether acetate
    - ▷ NO DATA
  - n-Butyl acetate
    - ▷ NO DATA
  - Ethylbenzene
    - ▷ 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 airtight container, and consign according to Waste Material Management Act  
 Pre-treat with oil-water separation method when it is available.  
 Recycle the recycleable materials, such as organic solvents, and then incinerate the residue at high temperature.  
 To prevent environmental pollution, dispose it to a licensed waste disposal company.
- 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
- Propylene glycol methyl ether 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) : 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
- 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

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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 : 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) "