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1. Identification

- A. Product name : Bodyian clearcoat BC-2108
- B. Recommended Use and Restriction on Use O General use : automotive refinish
 - Restriction on use : Restricted to use other than recommended use
- C. Manufacturer / Supplier / distributor information
 - \bigcirc 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 Carcinogenicity Category 2 Reproductive toxicity Category 2 Chronic aquatic toxicity Category 2 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 2 Specific target organ toxicity(Single exposure) Category 1 Ozone layer hazard
- B. GHS label elements



- Signal words : DANGER
- \bigcirc Hazard statements :
 - H226 Flammable liquid and vapour
 - H351 Suspected of causing cancer
 - H361 Suspected of damaging fertility or the unborn child
 - H411 Toxic to aquatic life with long lasting effects
 - 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
 - H305 May be harmful if swallowed and enters airways
 - H370 Causes damage to organs: central nervous system (CNS), gastrointestinal tract(Refer Section SDS 11)

H420 It destroys the upper layer of the ozone layer and is harmful to public health and environment. \bigcirc Precautionary statements

- Prevention

- P210 Keep away from heat/sparks/open flames/hot surfaces. ? No smoking.
- P242 Use only non-sparking tools. Flammable liquids (chapter 2.6) 1, 2, 3
- P233 Keep container tightly closed.
- P240 Ground/bond container and receiving equipment.
- P201 Obtain special instructions before use.
- P202 Do not handle until all safety precautions have been read and understood.
- P281 Use personal protective equipment as required.
- P241 Use explosion-proof electrical/ventilating/lighting/equipment.
- P273 Avoid release to the environment.
- P243 Take precautionary measures against static discharge.
- P280 Wear protective gloves/protective clothing/eye protection/face protection.
- P264 Wash hands thoroughly after handling.
- 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.
- 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). P308+P313 If exposed or concerned: Get medical advice/attention.

P391 Collect spillage.

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 advice/attention.
- P321 Specific treatment

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. P314 Get medical advice/attention if you feel unwell. P302+P352 IF ON SKIN: Wash with plenty of soap and water. P332+P313 If skin irritation occurs: Get medical advice/attention. P362 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. P307+P311 If exposed: Call a POISON CENTER or doctor/physician. - Storage P403+P235 Store in a well-ventilated place. Keep cool. P405 Store Locked up. P403+P233 Store in a well-ventilated place. Keep container tightly closed. - Disposal P501 Dispose of contents/container in accordance with local/regional/national/international regulation P502 Please refer to the information provided by the manufacturer / supplier on recycling and recycling examples.

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

Chemical Name	NFPA grade	Health	Flammability	Reactivity
S1(Trade secrets)		NO DATA	NO DATA	NO DATA
n-Butyl acetate		2	3	0
S2(Trade secrets)		NO DATA	NO DATA	NO DATA
Xylene		NO DATA	NO DATA	NO DATA
S3(Trade secrets)		NO DATA	NO DATA	NO DATA
Solvent naphtha (petroleum), light arom.		1	2	0
Ethylbenzene		2	3	0

3. Composition/information on ingredients

Chemical Name	Trade names and Synonyms	CAS-NO	Content(%)	
S1(Trade secrets)	-	-	32~42	
n-Butyl acetate	n-Butyl acetate	123-86-4	25~35	
S2(Trade secrets)	-	-	15~25	
Xylene	Xylene	1330-20-7	11~21	
S3(Trade secrets)	-	-	1~11	
Solvent naphtha (petroleum), light arom.	Solvent naphtha (petroleum), light arom.	64742-95-6	1~10	
Ethylbenzene	Ethylbenzene	100-41-4	0.1~4	

4. First-aid measures

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

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

C. Inhalation : Take a medical assistant immediately. 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 inhalated or swallowed, do not perform the inhalation phase of breathing If not breathing, perform the artificial respiration. Avoid from exposure, and move into an area with fresh air.

D. Ingestion Contact : Flush mouth with water immediately. It is need to be considered that early removal of some ingested material by gastric lavage must be weighed against potential complications of bleeding or perforation Take proper medical assistant by symtoms. If ingested large quantity, take medical assistant. Do not try to induce vomiting, if occurs, keep head below hips to prevent swallow into lungs. Inducing vomit.

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

5. Fire-fighting measures

A. Suitable (Unsuitable) extinguishing media

○ Suitable extinguishing media : Powder extinguishing agent, gaseous Extinguishing Agent, and regular foam.
○ (Unsuitable) extinguishing media : Avoid use waterjet as fire extinguishing agent. Water is not appropriate extinguishing agent

○ 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 : Irritating and highly toxic gases may produced during the combustion by pyrolysis or combustion itself. Carbon dioxide, toxic carbon compounds/Nitrogen compounds/sulfur compounds
Fire and Explosion danger : Vapor may be released to the ignition source and ignited. Aqueous (Exclude wateroutput a carbon per products does not have risk of fire or explosion becaude by itee from explosion compounds indexes.

soluble one) products does not have risk of fire or explosion hazard by itself. Vapors may explode indoors, outdoors, and in drains Leakages may fire / explosion hazard and could be easily ignited by heat, sparks or flames. Container may explode when heating May form explosive mixture at or above ignition point Risk of medium-

sized fire.

C. Special protective actions for fire-fighters

 \odot Personal Precautions, protective equipment : Gas mask or air respirator, heat resistant clothing, heat resistant helmet, heat resistant gloves, heat resistant boots

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

6. Accidental release measures

A. Personal Precautions, protective equipment and emergency procedures

○ Personal Precautions, protective equipment : Gas mask for organic gases, other appropriate protective device / clothing / gloves.

○ Emergency procedures : Do not contact on the bare skin Do work with the personal protected devices such as gas mask for organic gases other appropriate protective devices / clothing / gloves. Spray water to reduce amount of steam. Take an action to block the leakage if there is no risk.

B. Environmental precautions

 \odot 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.

 \odot 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.
C Large spill : Notify to central and local government, when emissions are above regulation. Prohibit access of unnecessary people, isolate hazard area to secure.

7. Handling and storage

A. Precautions for safe handling : Storing with combustible substances such as stained clothes or paper may cause fire by spontaneous ignition. Thus do not stack it, and keep it in a non-flammable container with cap filled with water and dispose it. Do not take contaminated clothings away from the work area. Avoid contact with heat, sparks, flames or other sources of ignition. Do not inhale vapor for long-term or repeatedly. Do not handle until read and understood all safety precautions. Avoid contact with prohibited materials in mixture. Wash carefully after handling. Use local ventilations and a full ventilation system when handling Seal the container for minimizing the petroleum steam Ground for preventing the static discharge Keep or handle followed by Dangerous goods Safety Management Act

B. Conditions for safe storage, including any incompatibilities : Storage temperature: 25 ~ 35 °C Storage temperature: 15 ~ 25 °C Storage temperature: 5 ~ 15 °C Store away from waterworks and sewers. Collect in an airtight container to dispose. Prevent static electricity and do not store near heat sources. Store in original container only. Store in accordance with all current law and regulations. Check periodically for leaks Store in a cool, dry, well-ventilated area. Stored in an isolated place, freezing caution, high temperature body caution. Avoid strong oxidizing agents, acid. Storage temperature: 5 ~ 35 °C Avoid direct sunlight while storing outdoor. Because of evaporation and contamination concerns, airtight the container and store in a well-ventilated building.

8. Exposure controls/personal protection

Α.	Exposure	Limits	
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- S1 (Trade secrets)
 - ACGIH : NO DATA

- Biological exposure indices : NO DATA

- n-Butvl acetate
 - ACGIH : NO DATA

- Biological exposure indices : NO DATA

- S2 (Trade secrets)
- ACGIH : NO DATA
- Biological exposure indices : NO DATA
- Xylene
- ACGIH : NO DATA
- Biological exposure indices : NO DATA
- S3 (Trade secrets)
- ACGIH : NO DATA
- Biological exposure indices : NO DATA
- Solvent naphtha (petroleum), light arom.
- ACGIH : NO DATA
- Biological exposure indices : NO DATA
- Ethylbenzene
 - ACGIH : NO DATA
 - Biological exposure indices : NO DATA
- B. Engineering Controls :
 - artin Do install the local ventilations and full ventilation system
 - \triangleright Using local ventilation to Minimize the exposure to worker.
 - ▷ NO DATA▷ NO DATA

C. Personal Protective Equipment

○ Respiratory protection : Respiratory protection is ranked in order from minimum to maximum Respiratory protection may be needed, while frequent use or heavy exposure. Consider warning properties before use. If there is possibility of direct contact or exposure to these substances should wear a authorized dust-proof mask or respirator for organic compounds 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 : If there is possibility of direct contact or exposure to these substances should wear authorized safty glasses or mask. 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 appropriate protective gloves If there is possibility of direct contact or exposure to these substances should wear authorized safety gloves for chemicals. 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 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 Wear appropriate chemical protective clothing. Work after wearing the impermeable protective apron made by rubber/PVC in case hazard caused by exposure or spill, wear the impermeable whole body protective clothing if needed.

9. Physical and chemical properties

- A. Appearance : 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) : 112~173
- G. Flash point(℃) : 28.2
- H. Evaporating Rate : NO DATA
- I. Flammability(solid, gas)(℃) : 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
- 0. 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 : Avoid contaminants and friction Do not contact with heat, spark, flame or other flammable sources

- C. Conditions to avoid : Oxidation agent, metal and combustable materials
- D. Hazardous decomposition products : Thermal decomposition products (carbon etc.,)

11.Toxicological information

- A. Information on the likely routes of exposure
 - \bigcirc Respiratory tracts : Adverse lung effects, Dyspnoea, Hypothermia, Vomitting
 - \bigcirc Oral : Vomitting, Diarrhea, Stomach pain, Irregular heartbeat
 - \bigcirc 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
 - S1 (Trade secrets)
 - 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 ○ S2 (Trade secrets) - 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 ○ 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. ○ S3 (Trade secrets) - 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 ○ Solvent naphtha (petroleum), light arom. - Acute toxicity Oral : LD50 = 8400 mg/kg Rat Dermal : LD50 > 2000 mg/kg Rabbit Inhalation : LD50 > 2000 mg/kg Rabbit - Skin corrosion/irritation : weakstimulus(rabbit) - Serious eye damage/irritation : Mild irritant(rabbit) - Respiratory sensitization : NO DATA - Skin sensitization : Non-sensitizer (Guinea pig) - Carcinogenicity IARC : NO DATA OSHA : NO DATA ACGIH : NO DATA NTP : NO DATA EU CLP : Carc. 1B - Germ cell mutagenicity : EU CLP: 1B (case containing less than 0.1% of the benzene in a weight ratio of the material not applied to the present classification) - Reproductive toxicity : EU CLP: 1B (case containing less than 0.1% of the benzene in a weight ratio of the material not applied to the present classification) - STOT-single exposure : Affecting the central nervous system. Inhalation of high concentrations vapors may cause loss of consciousness. - STOT-repeated exposure : NO DATA - Aspiration hazard : Harmful aspiration concerns 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 $^\circ \!\! C$) 12. Ecological information A. Ecotoxicity ○ S1 (Trade secrets) - 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
- S2 (Trade secrets)
- Fish : NO DATA
- Crustaceans : NO DATA
- Algae : NO DATA
- ⊖ Xvlene
 - Fish : NO DATA
 - Crustaceans : NO DATA
 - Algae : NO DATA
- S3 (Trade secrets)
 - Fish : NO DATA
 - Crustaceans : NO DATA
 - Algae : NO DATA
- \bigcirc Solvent naphtha (petroleum), light arom.

- Fish : LC50 = 9.22 mg/ ℓ 96 hr Oncorhynchus mykiss - Crustaceans : EC50 = 6.14 mg/ ℓ 48 hr Daphnia magna - Algae : EC50 = 19 mg/ l 72 hr Selenastrum capricornutum ○ Ethylbenzene - Fish : LC50 = 9.09 mg/ ℓ 96 hr - Crustaceans : LC50 = 0.4 mg/ ℓ 96 hr - Algae : NO DATA B. Persistence and degradability ○ S1 (Trade secrets) - Persistence : NO DATA - Degradability : NO DATA ○ n-Butyl acetate - Persistence : log Kow = 1.78 - Degradability : NO DATA ○ S2 (Trade secrets) - Persistence : NO DATA - Degradability : NO DATA \bigcirc Xylene - Persistence : NO DATA - Degradability : NO DATA \bigcirc S3 (Trade secrets) - Persistence : NO DATA - Degradability : NO DATA ○ Solvent naphtha (petroleum), light arom. - Persistence : log Kow = 2.1 ~ 6 (Estimates) - Degradability : BOD5/COD = 0.43 ○ Ethvlbenzene - Persistence : NO DATA - Degradability : NO DATA C. Bioaccumulative potential ○ S1 (Trade secrets) - Bioaccumulative potential : NO DATA - Biodegration : NO DATA ○ n-Butyl acetate - Bioaccumulative potential : NO DATA - Biodegration : Biodegradability = 98 (%) \odot S2 (Trade secrets) - Bioaccumulative potential : NO DATA - Biodegration : NO DATA ○ Xylene - Bioaccumulative potential : NO DATA - Biodegration : 39 (%) ○ S3 (Trade secrets) - Bioaccumulative potential : NO DATA - Biodegration : NO DATA ○ Solvent naphtha (petroleum), light arom. - Bioaccumulative potential : NO DATA - Biodegration : NO DATA ○ Ethylbenzene - Bioaccumulative potential : NO DATA - Biodegration : NO DATA D. Mobility in soil ○ S1 (Trade secrets) ▷ NO DATA ○ n-Butvl acetate ▷ NO DATA ○ S2 (Trade secrets) ▷ NO DATA ○ Xylene ▷ log Kow = 3.12 (measured) (ortho), 3.2 (measured) (meta), 3.15 (measurements) (p) (5) ○ S3 (Trade secrets) ▷ NO DATA ○ Solvent naphtha (petroleum), light arom. ▷ NO DATA ○ Ethylbenzene ▷ log Kow = 3.15 (11) E. Other adverse effects ○ S1 (Trade secrets) ▷ NO DATA ○ n-Butyl acetate ▷ NO DATA ○ S2 (Trade secrets) ▷ NO DATA ○ Xylene ▷ NO DATA ○ S3 (Trade secrets) ▷ NO DATA ○ Solvent naphtha (petroleum), light arom.

▷ NO DATA

▷ NO DATA

13. Disposal considerations

A. Disposal methods : To prevent environmental pollution, dispose it to a licensed waste disposal company. Recycle the recycleable materials, such as organic solvents, and then incinerate the residue at high temperature. Pre-treat with oil-water separation method when it is available. Disposal material should keep in the 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

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 : III
- E. Marine pollutant : be applicable
- F. Special precautions for user related to transport or transportation measures O EmS FIRE SCHEDULE : F-E O EmS SPILLAGE SCHEDULE : S-E

15. Regulatory information

- \odot S1 (Trade secrets)
 - 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
 - \triangleright CERCLA Section 103 (40CFR302.4) : NO DATA
 - \triangleright EPCRA Section 302 (40CFR355.30) : NO DATA
 - ▷ EPCRA Section 304 (40CFR355.40) : NO DATA
 - $\,\vartriangleright\,$ 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
- 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
- S2 (Trade secrets)
 - 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
- Xylene
 - Information of EU Classification
 - \triangleright Classification : NO DATA
 - $\,\vartriangleright\,$ 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 ○ S3 (Trade secrets) - 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 \triangleright 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 ○ Solvent naphtha (petroleum), light arom. - Information of EU Classification \triangleright 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

16. Other information

A. Reference

This MSDS is based on 'Industrial safety and health' Act paragraph 41 and Proclamation of Ministry of Labor and Employment 2016-19, and considered domestic regulations. This MSDS is based on KOSHA, NITE, ESIS, NLM, SIDS, IPCS, NCIS.

- B. Issue date : 2017-01-25 오후 3:39:50
- C. Revision number and Last date revised : 3.(2018-09-19 오후 6:01:57)
- D. Other : " WWW.NOROO.CO.KR"