

물질안전보건자료


(Material Safety Data Sheet)

Name of the product	KK-THINNER EANAMAL
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1. information about chemicals and companies

A. Product name	KK-THINNER EANAMAL
B. Recommended uses and restrictions on use of products	
recommended use of the product	THINNER
restrictions on the use of the product	Prohibited use for anything other than its intended purpose.
C. Supplier information (In case of imported goods, domestic supplier information available for emergency contact)	
Corporate name	Geumgang Paint Industry Co., Ltd
Address	86-75 Chugok-gil, Gogyeong-myeon, Yeongcheon-si, Gyeongsangbuk-do
an emergency telephone number	054-338-7722

2. Hazardous/hazardous

A. Hazard classification and risk classification	
	Carcinogenicity: Classification 1B
	Reproductive cell mutagenicity: Classification 1B
	Aspiration hazard: Classification 1
B. Warning signs including preventive measures	
Picture text	
a sign language	Dangers
Hazardous and dangerous phrases	H304 Swallowing into the airways can be fatal H315 Causes irritation to the skin H340 May cause genetic defects (Describe exposure pathways that cause genetic defects, provided there is conclusive evidence that they do not cause genetic defects by other exposure pathways) H350 Can cause cancer (Describe the path of exposure to cause cancer; only if there is conclusive evidence that it does not cause cancer by other exposure pathways)
Preventive measures statement	
Prevention	Obtain a manual for handling P201 before use. P202 Do not handle all safety precautions until you have read and understood them. After handling P264...Wash thoroughly. P280 Wear protective gloves/protective glasses/protective protection.
Response	If P301+P310 swallowed: immediate medical institution/doctor/...See a doctor. P302+P352 on skin: plenty of water/...Wash with (e). P308+P313 If exposed or concerned about exposure: seek medical action/advice. P321 ...Take care of it. P331 Don't make me vomit. P332+P313 When skin irritation appears: seek medical action/advice. P362+P364 Take off contaminated clothing and wash it before use again.
Storage	Save with P405 lock.
Disposal	Dispose of contents/containers in accordance with P501 waste-related laws and regulations

C. Other hazards and hazards not included in the criteria for classifying hazards and hazards (e.g., the risk of dust explosion)

3. Name and content of components

Material Name	수소탈황화된 중질 나프타 (석유)(Naphtha (petroleum), hydrodesulfurized heavy)
Tinnitus (tolerant name)	
CAS Number	64742-82-1
Content (%)	100%

4. emergency measures

A. When it gets into your eyes	<p>Get urgent medical attention</p> <p>Wash skin and eyes immediately with running water for at least 20 minutes upon contact with substances</p>
B. When you come into contact with your skin	<p>If it is a hot material, soak or wash the affected area in a large amount of cold water to remove heat</p> <p>Get urgent medical attention</p> <p>Remove contaminated clothes and shoes and isolate contaminated areas</p> <p>Wash skin and eyes immediately with running water for at least 20 minutes upon contact with substances</p> <p>Prevent the spread of contaminated areas during minor skin contact</p> <p>Seek medical measures and advice if skin irritation occurs.</p> <p>Take off contaminated clothing and wash it before using it again.</p>
C. When you inhale it	<p>Move to a place with fresh air</p> <p>Please keep it warm and stable</p> <p>Seek medical measures and advice if exposed or concerned about exposure.</p> <p>Don't make me vomit.</p>
D. When I ate it	<p>If you eat or inhale substances, do not ventilate using mouth-to-mouth mouth exercise and use appropriate respiratory equipment</p> <p>If you have swallowed, see a medical doctor immediately.</p> <p>Don't make me vomit.</p>
E. Other precautions of doctors	<p>Contact the medical staff in case of exposure and take special emergency measures such as follow-up.</p> <p>Ensure that medical personnel are aware of the substance and take protective measures</p>

5. How to deal with explosion and fire

a. Proper (inappropriate) digestive medicine	<p>Use alcohol foam, carbon dioxide or water spray for digestion related to this substance</p>
b. Certain hazards arising from chemicals	<p>Use dry sand or soil for asphyxiation</p> <p>During burning, irritating and very toxic gases can be generated by pyrolysis or combustion</p> <p>Containers may explode when heated</p> <p>Some may burn but do not ignite easily</p> <p>Non-inflammable or material itself does not burn, but decomposes when heated to cause corrosive/toxic fumes</p>
C. Protective equipment and preventive measures to be worn in case of fire extinguishing	<p>Rescuers should wear appropriate protective gear.</p> <p>Digest away from the area and keep a safe distance</p> <p>Please be careful as it may melt and be transported</p> <p>Dig a ditch for the disposal of the digester so that the material does not scatter</p> <p>If it's not dangerous, move the container out of the fire area</p> <p>In case of tank fire, extinguish fire at maximum distance or use unmanned fire extinguishing equipment</p> <p>In case of tank fire, cool the container with plenty of water even after extinguishing</p> <p>In case of a tank fire, immediately withdraw from the pressure release unit if there is a high pitch or the tank discoloration</p> <p>In the event of a tank fire, step back from the tank engulfed in flames</p> <p>In case of tank fire, use unmanned fire extinguishing equipment and, if impossible, leave to burn</p>

6. How to deal with leakage accidents

A. Measures and protective equipment necessary to protect the human body

Wipe off any spills immediately, and follow the precautions of the protective equipment.

Isolate the contaminated area.

Those who do not need to enter or are not equipped with protective equipment should not enter.

Remove all ignition sources

If it is not dangerous, stop the leak

A. Measures and protective equipment necessary to protect the human body

Do not touch damaged containers or leaks without wearing proper protective clothing

Cover with plastic sheet to stop diffusion

Pay attention to substances and conditions that should be avoided

Prevent inflows into waterways, sewers, cellars, and enclosed spaces

B. Measures necessary to protect the environment

C. Methods of purification or removal

Absorb spills with inert substances (e.g., dry sand or soil) and place them in a chemical waste container.

Absorb liquid and wash off contaminated areas with detergent and water.

7. HANDLING AND STORING METHOD

A. Safety instructions

Follow all MSDS/label precautions as product debris may remain after the container has been emptied.

Use carefully when handling/storing.

Open the cap carefully before opening.

Avoid long-term or continuous skin contact.

Do not breathe steam from heated materials.

Do not enter the storage area without proper ventilation.

Pay attention to substances and conditions that should be avoided

Do not handle all safety precautions until you have read and understood them.

Wash the handling area thoroughly after handling.

B. A safe way to store

Drain the empty drum completely and block it properly, immediately return it to the drum controller or arrange it properly.

Store in a locked storage area.

8. Anti-exposure and personal protective equipment

A. Chemical exposure standards, biological exposure standards, etc

domestic regulations

No data

ACGIH regulations

No data

biological exposure standards

No data

Other exposure criteria

No data

B. Proper engineering management

Use process isolation, local exhaust, or other engineering management to adjust the air level below the exposure limit.

Install face wash facilities and safety showers for facilities that store or use this substance.

C. Personal protective equipment

Respiratory protection

Wear respirators certified by the Occupational Safety and Health Agency that conform to the physicochemical properties of exposed gases/liquid

"For gas/liquid substances, the following respirator is recommended

-Isolated front gas mask (for organic compounds (for acid gases in case of acid gases) or Isolated front gas mask (for organic compounds (for acid gases in case of acid gases) or direct front gas mask (for organic compounds (for acid gases in case of acid gases) or on the other hand gas mask (for organic compounds (for acid gases in case of acid gases) or electric gas mask"

eye protection

If oxygen is low (<19.5%), wear a vent mask or self-contained air respirator

To protect your eyes from vaporized organic substances that cause eye irritation or other health problems, wear safety or breathable safety glasses

Hand protection	Install emergency cleaning facilities (shower type) and face wash facilities in locations where workers can access them
physical protection	Wear protective gloves of appropriate material considering the physical and chemical properties of chemicals
	Wear protective clothing of appropriate material considering the physical and chemical properties of the chemical

9. physicochemical properties

A. Appearance	
character	Liquid
Color	No data
I. The smell	No data
C. Smell threshold	No data
D. pH	No data
E. Melting/freezing point	< -20 °C
F. Initial boiling point and boiling point range	155 ~ 217°C
G. A flashpoint	> 25 °C
H. Evaporation rate	No data
I. Flammable (solid, gas)	No data
J. Upper/lower limits on the range of flammables or explosions	7.0 / 0.6 %
J. Steam pressure	3-12 hPa (37.8°C)
T. Solubility	(Insoluble)
F. Steam density	No data
Ha. Specific gravity	0.782-0.799 (g/cm ³ , 15°C)
G. N-octanol/water distribution coefficient (Kow)	2.1 to 6 (estimated)
You. Natural firing temperature	(>200°C)
More. Decomposition temperature	No data
R. Viscosity	No data
M. molecular weight	No data

10. Safety and responsiveness

a. Chemical stability and possibility of adverse reactions	Can decompose at high temperatures to produce toxic gases Containers may explode when heated Some may burn but do not ignite easily Non-inflammable or material itself does not burn, but decomposes when heated to cause corrosive/toxic fumes
B. Conditions to avoid	Ignition sources such as heat, spark, flame, etc
C. Substances that should be avoided	combustible substances
D. Hazardous substances produced during decomposition	During burning, irritating and very toxic gases can be generated by pyrolysis or combustion Corrosive/toxic fumes

11. information about toxicity

A. Information on most likely exposure routes	No data
B. Health hazard information	
acute toxicity	
an oral form	LD50 > 5000 mg/kg Rat
transdermal skin	LD50 > 3160 mg/kg Rabbit
Inhale	No data
Corrosive or irritable skin	Normal stimulation (rabbit)
Severe eye damage or irritation	Non-polar (rabbit)
respiratory sensitivity	No data
skin sensitivity	No data
carcinogenicity	
Occupational Safety and Health Act	No data
Ministry of Employment and Labor Examination	No data
IARC	No data

OSHA	No data
ACGIH	No data
NTP	No data
EU CLP	1B
germ cell mutagenicity	** EU CLP: 1B
reproductive toxicity	No data
Specific target organ toxicity (one exposure)	No data
Specific target organ toxicity (repeated exposure)	No data
Harmful to aspiration	No data
Other Hazardous Effects	No data

12. environmental impact

a. Ecotoxicity	
Fish	No data
crustaceans	LC50 4.3 mg/ℓ 96 hr 기타 (Crangon crangon)
bird	No data
B. Residual and degradable	
Residuality	log Kow 2.1 to 6 (estimated)
Degradable	No data
C. Bio-enriched	
Concentration	No data
biodegradable	No data
D. Soil mobility	No data
E. Other harmful effects	No data

13. Precautions for disposal

A. Method of disposal	Dispose of contents and containers as stipulated in the Waste Management Act. Dispose of the contents containers (in accordance with the relevant laws and regulations).
B. Precautions for disposal	

14. Information required for transportation

A. United Nations No	No UN transport hazard classification information
B. Proper shipping name	Not applicable
C. Risk rating in transportation	Not applicable
D. Courage rating	Not applicable
E. Marine pollutants	No data
F. Special safety measures that users need or need to know about transportation or transportation	
emergency measures in case of fire	Not applicable
Emergency measures in case of spill	Not applicable

15. Status of legal regulations

A. Regulations under the Occupational Safety and Health Act	Not applicable
B. Regulations under the Chemical Substances Control Act	Not applicable
C. Regulations under the Dangerous Goods Safety Management Act	Not applicable
D. Regulations under the Waste Management Act	Not applicable
E. Other regulations under domestic and foreign laws	
domestic regulation	
Other domestic regulations	Not applicable
Foreign regulations	
US Administrative Information (OSHA Regulations)	Not applicable
US Management Information (CERCLA Regulations)	Not applicable
US Management Information (EPCRA 302)	Not applicable
US Management Information (EPCRA 304)	Not applicable
US Management Information (EPCRA 313)	Not applicable

US Management Information (Rotterdam Convention Material)	Not applicable
US Management Information (Stockholm Convention Material)	Not applicable
US Management Information (Montreal's emotional material)	Not applicable
EU classification information (final classification results)	Carc. Cat. 2; R45 - Muta. Cat. 2; R46 - Xn; R65
EU classification information (danger phrases)	R45, R46, R65
EU classification information (safety equipment)	S53, S45

16. Other references

A. Source of data	
UNI. AKRON (Melting Point/Frozen Point)	
IUCLID (F. Initial Boiling Point and Boiling Point Range)	
UNI. AKRON (G. Flash Points)	
UNI. AKRON (upper/lower limit of range of flammables or explosions)	
IUCLID (C. Steam Pressure)	
UNI. AKRON (Tar. Solubility)	
IUCLID (B. Specific gravity)	
UNI. AKRON (You. Natural Firing Temperature)	
IUCLID (Old)	
IUCLID (transdermal)	
IUCLID (crustacea)	
IUCLID (Residual)	
B. Date of initial preparation	2025-03-31
C. Number of revisions and last revision date	
Number of revisions	회
Last revision date	0
D. Other	

Material safety data (MSDS) has been edited and partially modified by referring to MSDS provided by the Korea Occupational Safety and Health Agency's data."