Product Name	**: MICRON GUARD S**
MSDS REF NO.	**: 8028**
ISSUE DATE	**: 03.10.2025**

Material Safety Data Sheet

1. IDENTIFICATION OF THE SUBSTANCE

PRODUCT INFORMATION

TRADE NAME	: MICRON GUARD S
PRODUCT DESCRIPTION	: PENETRATIVE WATER-REPELLENT MATERIAL
COMPANY	: PT. SKK KAKEN INDONESIA
ADDRRESS	: BEKASI INTERNATIONAL INDUSTRIAL ESTATE, BLOCK C-4, KAV. 5-7, SUKARESMI CIKARANG SELATAN, BEKASI, 17530
TEL NO.	: +6221 8990 6608
EMERGENCY ASSISTANCE	: AS MENTIONED ABOVE

2. HAZARD IDENTIFICATION

GHS CLASSIFICATION

Flammable Hazard	Category 3
Skin Corrosion/Irritation	Category 2
Germ Cell Mutagenicity	Category 1
Carcinogenicity	Category 1
Organ Toxicity (Repeated Exposure)	Category 1
Asphyxiation Hazard	Category 1

GHS LABEL ELEMENT



Signal Word Danger

Hazardous Information

- Flammable liquid and vapor
- Causes skin irritation
- Maybe fatal if swallowed and enters airways
- May cause genetic defects
- May cause cancer
- Causes damage to Organs through prolonged or repeated exposure

Precautionary Statements

«Prevention»

- Obtain special instructions before use
- Do not handle until all safety precautions have been read and understood.
- Keep away from heat/sparks/open flames/hot surface.
- Keep container tightly closed.
- Ground/bond container and receiving equipment, use only non-sparking tools.
- Use explosion-proof electrical/ventilating/lightning equipment.
- Take precautionary measures against static discharge.
- Avoid breathing dust/fumes/gas/mist/spray/vapors.
- Wash hands thoroughly after handling.
- Do not eat, drink or smoke when using this product.
- Wear protective gloves/protective clothing/eye protection/face protection as required.

«First Aid Measures»

- IF IN EYES : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- If on SKIN : Remove immediately all contaminated clothing. Rinse skin with water/shower.
- If Swallowed : Immediately call a poison center or doctor/physician. Do not induce vomiting.
- If Inhaled : Remove to fresh air and keep at rest in a position comfortable for breathing.
- If exposed or concerned : Get medical advice/attention.
- Get medical advice/attention if you feel unwell.

«Storage»

- Keep container tightly closed. Store locked up.
- Store in a well ventilated place. Keep cool.

«Disposal»

- Dispose of contents and container to appropriate waste site in accordance with local and national regulation.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Substance or mixture Mixture

CHEMICAL NAME	CAS NO.	CONC.
Low Boiling Point Hydrogen Treated Naphta	6472-82-1	80 - 90
Silane	-	5 - 10

4. FIRST AID MEASURES

Inhalation

Supply to fresh air and call for medical assistance immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Keep at rest.

Skin Contact

Wash skin with mild soap and water immediately. Remove all contaminated clothes and shoes. Wash contaminated clothing before re-use. If skin irritation persists, call a physician.

Eye contact

In case of eye contact, immediately rinse with clean water for at least 15 minutes. Get medical attention if irritation persists.

Ingestion

Do not induce vomiting. Rinse mouth with plenty of water. Get immediate medical advice/attention immediately.

5. FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA : Powder Extinguisher, bubble, CO_2 and dry sand.

FIRE FIGHTING PROCEDURE : Use water spray to cool fire-exposed surfaces and to protect personnel. If a leak or spill has not ignited,use water spray to disperse the vapours. Avoid spraying water directly into storage containers. Closed containers may explode when exposed to extreme heat. Avoid spreading burning liquid with water, isolate liquid. Do not allow runoff from fire fighting to enter drains or watercourses. If possible, isolate product from heat, electrical equipments, sparks and open flames. Fire-fighters should use protective clothing, eyes protection, and self-contained breathing apparatus.

FIRE FIGHTING EQUIPMENT : Respiratory & eye protection required for fire–fighting personnel. Full protective equipment and self-contained breathing apparatus (SCBA) should be. Used for all indoor fires and any significant outdoor fires.

HAZARDOUS DECOMPOSITION/COMBUSTION PRODUCTS : No additional information available

6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS:

Avoid contact with spilled material. Warm or evacuate occupants in surrounding and downwind areas if required, due to toxicity or flammability of the material.

ENVIRONMENTAL PRECAUTIONS:

Prevent further leakage or spillage if safe to do so. Discharge into the environment must be avoided. Do not let product enter drains. Do not flush into surface water of sanitary sewer system. Collect contaminated fire extinguishing water separately, this must not discharged into drains.

CLEAN-UP-METHODS:

Transfer by mechanical means to a labelled, sealable container for product recovery or safe disposal. Do not flush away residues with water. Retain as contaminated waste. Allow residues to evaporate or soak up with an appropriate absorbent material and dispose of safety.

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7. HANDLING & STORAGE

HANDLING

Avoid breathing mist or vapors. Avoid contact with skin. Use non-sparking tools and explosion proof equipment. Use only with adequate ventilation. Use proper bonding and/or earthing procedures. Prevent small spills and leakage to avoid slip hazard.

STORAGE

Keep containers tightly closed. Store in a cool, dry, well-ventilated area and accordance with local regulations. Keep away from incompatible materials, ignition sources and do not smoke. Keep out of the reach of children.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

CONTROL PARAMETERS / OCCUPATIONAL LIMITS

No exposure limit value known but if this product contains ingredients with exposure limits, all personnel and workplace atmosphere must ensure work carry out in an adequate ventilated condition.

APPROPRIATE ENGINEERING CONTROL MEASURES

Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapours below their respective occupational exposure limits. Ensure eyewash stations and safety showers are close to the workstation location.

PERSONAL PROTECTIVE EQUIPMENTS

For respiratory organs	: Wear suitable breathing apparatus.
For eyes	: Wear chemical safety goggles with side shield is recommended.
For hand	: Wear chemical resistant gloves are recommended.
For skin and body	: Wear chemical resistant clothes and safety shoes when handling product.

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSCIAL STATE, FORM	: Liquid
ODOUR	: Aromatic Hydrocarbon Odour
BOILING POINT/RANGE	: 90 - 169 ^{o}C
MELTING/FREEZING POINT	: No Data Available
FLASH POINT	: Approx 38 ^{o}C
AUTOIGINITION TEMP.	: >230 ^{o}C
FLAMMABLE LIMIT	: 0.9 - 6.7 % volume
SPECIFIC GRAVITY RANGE	: 0.7 - 0.85
VAPOUR PRESSURE	: No Data Available

10. STABILITY AND REACTIVITY

REACTIVITY

No dangerous reaction known under condition of normal use.

CHEMICAL STABILITY

Stable under ordinary conditions of use and storage.

POSSIBILITY OF HAZARDOUS REACTIONS

Under normal conditions of storage and use, hazardous reaction will not occur.

CONDITIONS TO AVOID

Heat, open flame and other ignition sources.

INCOMPATIBLE MATERIALS

Strong oxidizing agents.

HAZARDOUS DECOMPOSITION PRODUCTS

Carbon Dioxide and Carbon Monoxide may be formed by incomplete combustion.

11. TOXICOLOGICAL INFORMATION

There is no data available on the products itself.
Toxicological information of substances:

Acute Oral toxicity

Harmful if swallowed

Substances	Oral LD50 (Rat), mg/kg
Low boiling point hydrogen treated naphta	Data not available

Acute dermal/skin toxicity

May caused skin Irritation if in contact with skin

Substances	Dermal LD50 (Rabbit), mg/kg
Low boiling point hydrogen treated naphta	Data not available

Acute inhalation toxicity

May caused irritating to eyes and respiratory tract if inhaled

Substances	Inhalation vapor LC50 (Rat), mg/L/4hr
Low boiling point hydrogen treated naphta	Data not available

Skin Corrosion or Irritation

May cause skin irritation.

Serious eye damage or Irritation

May be an eye irritant.

Respiratory or skin sensitization

May be irritating to eyes and respiratory tract.

Germ cell mutagenicity

No information available on the product.

Carcinogenicity

No information available on the product.

Reproductive toxicity

No information available on the product.

Specific Target Organ Toxicity (STOT)- Single Exposure

No information available on the product.

Specific Target Organ Toxicity (STOT)- Repeated Exposure

No information available on the product.

Asphyxiation hazard

May be harmful if swallowed and enters airways.

12. ECOLOGICAL INFORMATION

There is no data available on the product itself.

13. DISPOSAL INFORMATION

Recycle wherever possible. Consult manufacturer for recycling options.

Do not dispose into the environment, in drains or in water courses.

Method of waste disposal are incineration or biological treatment in state/federal approved facility and must be accordance with local waste and environmental authority requirements.

Empty containers should be recycled or disposed through an approved waste licensed contractor.

14. TRANSPORT INFORMATION

LAND TRANSPORT ADR

Class	3
Packaging Group	III
UN NO.	1263
Proper Shipping Name	PAINT (including paint,lacquer, enamel, stain, shellac, varnish, polish, liquid filler and liquid lacquer base) or PAINT RELATED MATERIAL (including paint thinning or reducing compound).

SEA TRANSPORT IMDG

Class	3
Packaging Group	III
UN NO.	1263
MARINE POLLUTANT	NO
Proper Shipping Name	PAINT (including paint,lacquer, enamel, stain, shellac, varnish, polish, liquid filler and liquid lacquer base) or PAINT RELATED MATERIAL (including paint thinning or reducing compound).

AIR TRANSPORT ICAO/IATA

Class	3
Packaging Group	III
UN NO.	1263
Proper Shipping Name	PAINT (including paint,lacquer, enamel, stain, shellac, varnish, polish, liquid filler and liquid lacquer base) or PAINT RELATED MATERIAL (including paint thinning or reducing compound).

15. REGULATORY INFORMATION

The regulatory information is not intended to be comprehensive. Other regulations may apply to this product.

Applicable national regulations:

Standard on hazard communication for hazardous chemicals and dangerous goods

SS-586: Part 1: 2014- Transport and storage of dangerous goods

SS-586: Part 2 :2014 – GHS of classification and labelling of chemicals

SS-586: Part 3: 2008(2014)- Preparation of safety data sheet

MOM : Workplace Safety and Health Act & Workplace Safety and Health (General Provisions) Regulations

NEA: Environmental Protection and Management Act & Environmental Protection and management (Hazardous Substances) Regulations

SCDF : Fire Safety Act & Fire Safety(Petroleum and Flammable Materials) Regulations

SPF : The Arms and Explosive Act, the Arms and Explosives (Explosives) Rules, and the Arms and Explosives (Explosive Precursors) Rules

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16. OTHER INFORMATION

To the best of our knowledge, the information contained herein is accurate and the source of information which we have obtained is believed to be reliable. However, we cannot assume any liability for the accuracy or completeness of this information. Due to the conditions of handling, storage, use and disposal of this product are beyond our control, we shall not be liable for any damages incurred by the use of this product.
All materials may present unknown hazards and should be always used with caution.
This SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this SDS information may not be applicable.