SAFETY DATA SHEET NAIL HEART

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Revision date : **1. IDENTIFICATION** PRODUCT NAME : NAIL HEART COMPANY IDENTIFICATION Name of manufacture : KOYO-SHA CO., LTD. Address : No. 1, AZA-SHIOZAWA, TAISHIN-NAKASHINJO, SHIRAKAWA-SHI, FUKUSHIMA-KEN 969-0307 JAPAN QUALITY ASSURANCE SECTION OF TECHNICAL DEVELOPMENT DIVISION Name of section : Telephone number : 0248-46-2891 Reference No. : 1549NHT 2. HAZARDS IDENTIFICATION GHS CLASSIFICATION PHYSICAL HAZARDS Explosives : Not applicable Flammable gases : Not applicable Flammable aerosols : Not applicable Oxidizing gases : Not applicable Gases under pressure : Not applicable Flammable liquids : Not applicable Flammable solids : Classification not possible Self-reactive substances and mixtures : Not applicable Pyrophoric liquids : Not applicable Pyrophoric solids : Not classified Self-heating substances and mixtures : Classification not possible Not classified Substances and mixtures which, in contact with water, emit flammable gases : Oxidizing liquids : Not applicable Oxidizing solids : Classification not possible Organic peroxides : Classification not possible Corrosive to metals : Classification not possible HEALTH HAZARDS Acute toxicity - oral : Classification not possible Acute toxicity - skin : Classification not possible Acute toxicity - inhalation: gas : Not applicable Acute toxicity - inhalation: vapour : Classification not possible Acute toxicity - inhalation: dust : Classification not possible Acute toxicity - inhalation: mist : Not applicable Skin corrosion / irritation : Classification not possible Serious eye damage / eye irritation : Classification not possible Respiratory sensitization : Classification not possible Skin sensitization : Classification not possible Germ cell mutagenicity : Classification not possible Carcinogenicity : Classification not possible Reproductive toxicity : Classification not possible Specific target organ systemic toxicity Category 3 - Respiratory tract irritation - Single exposure :

Specific target organ systemic toxicity

Category 1 - Inhalation ; Lung, Central

	- Repeated exposure :	nervous system
	Aspiration hazard :	Classification not possible
ENVIRONMENTAL HAZARDS	Hazardous to the aquatic environment	Classification not possible
	- acute :	
	Hazardous to the aquatic environment	Classification not possible
	- chronic :	
	Hazardous to the ozone layer	Classification not possible
GHS LABEL ELEMENTS		
PICTOGRAMS / SYMBOLS :		
SIGNAL WORD :	DANGER	
HAZARD STATEMENTS :	May cause respiratory irritation	
	Cause damage to lung, central nervous s	system through prolonged or repeated
	exposure	
PRECAUTIONARY STATEMENTS		
Prevention :	Do not eat, drink or smoke when using this product.	
	Use only outdoors or in well-ventilated are	ea.
	Do not breath dust.	
	Wear protectiive eyeglasses as needed.	
	Wear respiratory protection / face protect	ion / protective gloves / goggles and
	clothing.	
	Wash hands thoroughly after handling.	
Response :	If inhaled, remove victim to fresh air and I	keep at rest in a position comfortable for
	breathing.	
	If you feel unwell, get medical attention.	
Storage :	Store in a well-ventilated / cool place.	
Disposal :	Dispose of contents / container in accord	ance with local / regional / national /
	international regulations.	
	Dispose of cleaning solution after making	harmless.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Substance / Mixture :	Mixture	
Chemical name	CAS No.	Content [%]
Aluminium oxide (Al ₂ O ₃)	1344-28-1	50-60
Base material (cotton)	No data	20-30
Acrylic resin (copolymer)	No data	5-15
Triethanolamine	102-71-6	<1

Contain fatty acids , fats and others.

4. FIRST-AID MEASURES

Inhalation :	Remove victim to fresh air and keep at rest in a position comfortable for breathing.
	If you feel unwell, get medical advice / attention.
Skin contact :	Remove / take off immediately all contaminated clothing.
	Rinse skin immediately with water / shower.
	Wash contaminated clothing before reuse.
Eye contact :	Rinse cautiously with water for several minutes.
	Remove contact lenses, if present and easy to do. Continue rinsing.
	Get medical attention / advice

Ingestion :	Rinse mouse immediately with water. Call a doctor immediately.
5. FIRE-FIGHTING MEASURES	
Suitable extinguishing media :	In case of initial fires, use fire-extinguishing powder / foam, carbon dioxide or dry sand.
	In case of larger fires, effective to shut off air using fire-extinguishing foam and others.
Unsuitable extinguishing media :	Using water may be dangerous to spread fires.
6. ACCIDENTAL RELEASE MEASURES	
Personal precautions, protective	Evacuate nonessential personnel. Authorized personnel only.
equipment and emergency procedures :	Wear proper protective equipment (gloves / goggles / clothing and high boots).
Environmental precautions :	Caution do not to discharge into rivers or seas.
	Do not wash away directly into rivers or sewers.
Method and materials for contaminant and cleaning up :	Collect spilled material into empty containers
7. HANDLING AND STORAGE	
HANDLING	
Technical measure	According to "8. EXPOSURE CONTROLS / PERSONAL PROTECTION ", put facility measures into operation and wear protective equipment.
Local-ventilation / Whole ventilation :	According to "8. EXPOSURE CONTROLS / PERSONAL PROTECTION", put facility measures into operation (Local-ventilation / Whole ventilation).
Note :	Use only outdoors or in well-ventilated area.
	Do not contact / breathe / swallow.
	Do not breathe powder dust.
	Wash hands thoroughly after handling.
STORAGE	
Technical measure :	Install the equipment of lighting, ventilation and necessary daylighting to handle.
Incompatible substances :	Reference to "10. STABILITY AND REACTIVITY".
Storage conditions :	Keep away from high heat and store in a well ventilated / cool place.
Packaging materials :	Use a break-proof package.
8. EXPOSURE CONTROLS / PERSONA	I PROTECTION

Ventilate to avoid inhalation of dust.
Wear appropriate respiratory protective equipment, dust-proof mask and others.
Wear appropriate protective gloves, leather gloves and others.
Wear protective glasses (ordinary glasses type, goggle type and others).
Wear protective clothing and safety shoes.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance :	Double-sided abrasive cloth
Odor :	Slight odor
pH :	No data
Melting point / freezing point :	No data
Initial boiling point and boiling range :	No data
Flash point :	No data
Explosion limit :	No data

Vapour pressure : Vapour density : Relative density : Solubility : Partition coefficient : n-octanol / water : Auto-ignition temperature : Decomposition temperature :	No data No data No data Soluble in water only auxiliary agent No data No data No data
10. STABILITY AND REACTIVITY	
Stability / Reactivity :	Stable under normal condition (room temperature).
Possibility of hazardous reactions :	Almost never
Condition to be avoided :	Spread of dust
Incompatible materials :	Do not store together with acid / alkaline materials.
Hazardous decomposition products :	Nothing
11. TOXICOLOGICAL INFORMATION	
Acute toxicity :	Aluminium oxide LD ₅₀ >5000 mg/kg (rat, oral) ¹⁾
	Triethanolamine LD ₅₀ 1613 mg/kg (rat, oral) ²⁾
	LD ₅₀ 8811 mg/kg (rabbit, skin) ³⁾
	Fatty acids LDL ₀ 4640 mg/kg (rat)
Skin corrosion / irritation :	No data
Serius eye damage / eye irritation :	No data
Respiratory sensitization : Skin sensitization :	No data Diethanolamine may be included in Triethanolamine of raw materials in small quantities. Diethanolamine (more highly toxic than Triethanolamine) is reported to allergic contact dermatitis in humans. ³⁾ Thus, Triethanolamine is classified Category 1.
	This product contains Triethanolamine by 0.1% and over
Germ cell mutagenicity :	No data
Carcinogenicity :	No data
Reproductive toxicity :	No data
Specific target organ systemic toxicity - Single exposure :	Aluminium oxide is classified Category 3 (Respiratory tract irritation) based on enrollment "upper respiratory tract irritation". ⁴⁾
	This product is classified Category 3 to contain Aluminium oxide by 20% and over.
Specific target organ systemic toxicity - Repeated exposure :	Occupational lung fibrosis caused by inhalation of Aluminium oxide. (Category 1) ⁵ Aluminium oxide is classified Category 1 (Inhalation ; Central nervous system) based on enrollment "Aluminium oxide have the potential to impact the central nervous system". ⁴ This product is classified Category 1 to contain Aluminium oxide by 10% and over.
Aspiration hazard :	No data
12. ECOLOGICAL INFORMATION	
Ecotoxicity :	No data
Persistence / Degradability :	No data
Bioaccumulation potential :	No data
Mobility in soil :	No data
Hazard to the ozone layer :	No data

13. DISPOSAL CONSIDERATIONS

The remainder waste :	In case of the disposal, comply with local government codes and related regulations.
Contaminated container and packing :	Recycle containers after washing, or dispose according to local government codes
	and related regulations.
	In case of disposal of the container, remove the content.
14. TRANSPORT INFORMATION	
International regulations :	Not applicable with IMDG Code and IATA Dangerous Goods Regulations.
Safety measure and condition for	Check the container for damage, corrode and leak before transport.
transport :	Load the cargo without fall, drop and damage. Prevent the cargo from unpiling for
	sure. Handle the shipping case with care and do not make an impact. Do not handle
	shipping case roughly, for example, collision, drag, etc.
15. REGULATORY INFORMATION	
Aluminium oxide :	Industrial Safety and Health Act;
	Notifiable hazardous substance, 189 Aluminium oxide
	(Paragraph 2, Article 57. Paragraph 2, Article 18 of the Order for Enforcement, The
	Appended Table 9)
Triethanolamine :	Industrial Safety and Health Act;
	Notifiable hazardous substance, 381 Triethanolamine
	(Paragraph 2, Article 57. Paragraph 2, Article 18 of the Order for Enforcement, The
	Appended Table 9)
Other regulations for foreign countries	Regulations in "SDS" are Japanese ones.
	Regulatory information with regards to this preparation in your country or region
	should be examined by your own responsibility.

16. OTHER INFORMATION

REFERENCES :

1) IUCLID (2000)

2) NOISH Registry of Toxic Effects of Chemical Substances (1983-1984) Cumulative Supplement

3) Data base of Japan Industrial Safety and Health Association

- 4) ICSC (2000)
- 5) EHC (1997)

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