

Material Safety Data Sheet

1. Chemical product and company identification

- I. Product : Non-pet double adhesive tape (3)
- II. Recommended use of the chemical and restrictions on use
- Recommended use of the chemical : Film
- Restrictions on use of the product : Food
- III. Manufacturers/ Company Information
- Company Name : KOOKJE LA-TECH CORPORATION
- Address : #100-2 Munhyung-ri, Opo-eup, Gwangju-si, Gyeonggi-do, Korea 464-894
- Information service or emergency contact phone number : 82-31-766-0255

2. Hazard • Risk

- I. HAZARDS IDENTIFICATION : Classification(Classification and labelling of chemicals
Hlobally Harmonized System GHS)

- Physical hazards : Not applicable.
- Health hazards : Not applicable.
- Environmental hazards : Not applicable.

II. GHS label elements

- Glyph : Not applicable.
- Signal word : Not applicable.
- Hazardous • Risk phrases : Not applicable.
- Precautions : Not applicable.

III. NFPA Risk rate

- Health : 0 Fire : 1 Reactivity : 0 Water reactive : 0

3. Designation of composition Ingredient & Content

Division	Content (%)	Matter	CAS NO
Polyester Film	76	Polyethylene terephthalate	25038-59-9
Acrylic Adhesive	3	Acryl copolymer	35239-19-1
Polyester Film	21	Polyethylene terephthalate	25038-59-9

4. First aid measures

- I. Eyecontact

- Rinse with plenty of water for at least 15 minutes and consult a doctor Keep
- II. In case of skin contact
 - Not available
- III. Inhalation
 - If you inhaled move to fresh air immediately Make.
 - Keep breathing, give artificial respiration if not.
- IV. Ingestion
 - If you do not give anything by mouth to an unconscious do.
- V. Potential risks
 - May be harmful if swallowed.
- VI. Other medical attention.
 - Medical personnel are aware of the material protected take precautionary measures against

5. Explosion • In case of fire measures measures

- I. Combustion
 - Flash point : It does not print at less than 110°C (Rapid equilibrium method)
 - Autoignition temperature : Not less than 330°C degrees from the spontaneous combustion
 - Burning Rate : < 1.3 mm/s (UN TDC test & criteria - Test N1)
- II. Appropriate fire extinguishers
 - : Water spray, Resistance achol form, Powder Fire Extinguisher, Carbon dioxide
- III. Specific hazards arising from the chemical
 - Not available.
- IV. Special protective equipment for fire-fighters precautions
 - If you need air breathing apparatus should be worn

6. Accidental release measures

- I. Personal precautions and emergency procedures
 - Not available.
- II. Necessary measures to protect the environment.
 - Not available.
- III. Purification or How to remove
 - Not available.

7. Handling and Storage

- I. Safe handling cheats
 - Products that may be exposed to the dust of the appropriate exhaust ventilation Keep away
- II. How to save
 - Keep away from ignition.

8. Exposure prevention and personal protection

- I. Exposure limits of chemical, Biological exposure limits
 - National regulations : Not available.
 - ACGIH Provision : Not available..
- II. Biological exposure limits : Not available.
- III. Engineering Administration(Facilities necessary) : Not available.
- IV. Personal Protection
 - Respiratory Protection : Not available.
 - Eye Protection : Goggles
 - Hand Protection : Protective gloves
 - Skin and body protection : Not available.

9. Physical and chemical properties

- PHYSICAL : Solid at 20°C
- externals : Film
- Hydrogen ion concentration(pH) : 6.5 ~ 7.5 at 20°C ※ Sample : H₂O = 1:5(V/V)
- Flash point : It does not print at less than 110°C (Rapid equilibrium)
- Autoignition temperature : Not less than 300°C degrees from the spontaneous combustion
- Water Solubility : Non-aqueous at 20°C
- specific gravity(Surface) : 1.3 ~ 1.4 at 20°C
- Melting point range : >130°C
- Combustion specificity
 - Burning rate : < 1.3mm/s ※ UN TDG test & criteria - Test N1
- Explosive Properties : no Risk response. ※ UN TDG test & criteria - Test E3
- Risk of oxidation : Not available.
- Boiling Point : Not available.
- Vapor pressure : Not available.
- Decomposition temperature : Not available.
- n-Octanol/ Water distribution coefficient : Not available.
- Viscosity : Not available.
- Lower Explosive Limit(LEL) : Not available.
- Upper Explosive Limit(UEL) : Not available.

10. Stability & Reactivity

- I. Chemical Stability and Possibility of hazardous reactions
 - In general condition is safe.
- II. Conditions to avoid
 - Avoid the formation of dust
- III. Materials to avoid
 - Strong oxidizing materials

IV. Hazardous substances that are generated by the state fire

- Carbon oxides

11. Toxicological Information

I. Acute Toxicity

- Oral rat LD50 : > 2,000 mg/kg ※ from IUCLID / US NLM
- Skin rabbit LD50 : > 2,000 mg/kg
- Inhalation rat LC50 : > 10 mg/L (dust, 4h)

II. Skin Irritation : Not available.

III. Serious eye damage : Not available.

IV. Respiratory sensitization : Not available.

V. Skin Sensitization : Not available.

VI. Carcinogenic : Unclassified. ※ from IARC

VII. Germ cell mutagenicity : Not available.

VIII. Specific target long time(Once exposed) : Not available.

IX. Specific target long time(Repeat exposed) : Not available.

X. Aspiration Hazard : Not available.

12. Impact on the environment

I. Ecology Toxicity

- Fish LC50 : > 100 mg/L - 96 h ※ from IUCLID / US NLM
- Crustacean EC50 : > 100 mg/L - 48h
- Algae EC50 : > 100 mg/L - 72h

13. Disposal Considerations

I. How to dispose

- Environmental regulations halgeot.

II. Precautions when disposing

- DO NOT waste emissions to the environment.

14. TRANSPORT INFORMATION

I. UN Transport of dangerous goods regulation classified : Not dangerous goods

II. International Maritime Transport of Dangerous Goods Classification(IMDG)
: Not dangerous goods

III. International Air Transport of Dangerous Goods Classification(IATA) : Not dangerous goods

IV. Marine pollutants : Occupational health and safety Act

V. Transport users or Need to know in relation to the means of transport
or special safety measures required :

- In case of fire emergency : F-A
- In case of emergency spill : Not dangerous goods

15. Legal regulatory status

- I. Occupational health and safety Act(GHS) : Not available.
- II. Hazardous chemicals act : Toxic/Observed material/Restricted substances - Not available.
- III. Dangerous goods safety management Act : Non-hazardous
- IV. Other domestic and one of the regulations on foreign
 - Domestic laws of persistent organic pollutants : Not available.
 - US OSHA hazard (GHS) : Not available.

16. Other Notes

- I. Date First : 2012.11.20
- II. Revision Number : 1
- III. Date of revision : 2013. 6. 13
- IV. Source of reference material
 - Hazard • Risk GHS fractionation
 - : KOREA MSDS Testing Laboratory Test Certificate (Report No. 2012-03-10-280), IUCLID, EC ESIS
 - The value of the physical characteristics : KOREA MSDS Testing Laboratory Test Certificate
 - UN TRANSPORT INFORMATION : KOREA MSDS Testing Laboratory Test Certificate
 - Toxicity and Information on the environment
 - : OECD SIDS, IUCLID, US NLM, HSDB, IARC, EC ESIS, CCRIS

This MSDS material is current knowledge of the known, experience and but on the basis of data relating to written.

The product itself is not completely guaranteed. Unknown hazards and should be used with care because this will appear.

Whether any final decision on the appropriateness of the material are the sole responsibility of the user will tell you that.

- This MSDS material is Occupational Health and Safety Act in accordance with Article 41 "Keep writing the employer's MSDS" and In order to protect the health of workers is written material.
- Provided by the Korea Occupational Safety and Health Agency with reference materials and standards was prepared.