



MATERIAL SAFETY DATA SHEET

Date of Preparation : 2020.10.14

SECTION 1 : CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

1.1 Product Details

Product Name : Anti-Virus Silver Film
Usage : Field requiring Anti-Virus & Anti-Bacterial function

1.2 Company Identification

Manufacturer : Neoteny Co., Ltd
Address : 21F, S-Tower, 82, Saemunan-ro, Jongro-Gu, Seoul, Korea 03185
Dongnam-gu, Cheonan-si, Chungcheongnam-do, Korea

Phone Number : Production Information : 02-2088-6285
(outside Korea : 82-2-2088-6285)

SECTION 2 : COMPOSITION/INFORMATION ON INGREDIENT

Chemical Name	CAS No.	Proportion
POLYETHYLENE TEREPHTHALATE	25038-59-9	> 70%
URETHANE ACRYLATE OLIGOMER	Confidential	< 3%
ADDITIVE AGENT	Confidential	< 0.5%
NANO ADDITIVE AGENT	Confidential	< 0.1%
CO-POLYMER ADHESIVE	Confidential	< 30%

SECTION 3 : PHYSICAL AND CHEMICAL PROPERTIES

Appearance : Solid Films
Odor : N/A or very weak solvent smell
Solubility : Not Soluble in Water
Boiling Point (°C) : Not Applicable
Melting Point (°C) : No information found
Vapor Pressure : Not Applicable
Vapour Density : Not Applicable
Explosiveness : None
Specific Gravity : 1.38 ~ 1.41
pH : Not Applicable

SECTION 4 : HAZARD IDENTIFICATION

Most important hazards : Not Applicable

Potential Health Effects

- Eye contact with part of film may cause eyeball injury
- Skin Contact : Not Applicable
- Chronic Disease and Symptom : Not Applicable

SECTION 5 : FIRST AID MEASURES

Ingestion : If swallowed, induce vomiting immediately. Call a physician.

Eye contact : The part of film may can cause damage to eyeball. Call a physician.

Skin contact : Wash off with soap and water after contact. No severe symptom expected.

Inhalation : Not Applicable

Notes to physician : Make a technical treatment by each symptoms.

SECTION 6 : FIRE FIGHTING MEASURES

Extinguishing Media

- Small fires : Dry Chemical, Water, Carbon Dioxide
- Large fires : Water Spray, Fog, Foam

Flash Point : Not Applicable

Auto Ignition : Not Applicable

LEL/UEL : Not Applicable

SECTION 7 : ACCIDENTAL RELEASE MEASURE

No accidental release expected due to solidity.

When the film is released and left on the floor : Mechanical pick-up and removal (Danger of Slipping)

SECTION 8 : HANDLING AND STORAGE

Handling

- Be careful to avoiding cut by film edge.

Storage : None specified

- Store inside cool, dry place away from heat, sparks, and flame.

SECTION 9 : EXPOSURE CONTROL AND PERSONAL PROTECTION

Exposure Guidelines : Not Applicable

Respirators : Not Applicable

Engineering Controls : Use local ventilation in case of foaming by heat.

Eye / Face / Skin Protection

- Wear heatproof gloves in case of handling heated film.
- Wear protective glasses to avoid eye ball injury.

- Wear long sleeves shirts and pants in case of handling heated film.

SECTION 10 : STABILITY AND REACTIVITY

Chemical Stability : Stable at normal temperature and storage conditions.
Incompatibility : Avoid the igniter such as heat, spark.
Decompositions : Toxic fumes of carbon monoxide, carbon dioxide, acetaldehyde.
Polymerization : No information found

SECTION 11 : TOXICOLOGICAL INFORMATION

Carcinogenic : No information found
Inhalation : Not Applicable
Oral ALD : Not Applicable
Reproductive or mutagenic hazard : Not Applicable

SECTION 12 : DISPOSAL INFORMATION

Waste Disposal

- Comply with Central Government, Municipal and local regulations. If Approved may be incinerated, or transferred to a licensed disposal contractors.

SECTION 13 : TRANSPORT INFORMATION

Shipping Information

- Not regulated as s hazardous material by DOT or IMO.
- Avoid the direct sunlight, water contact and any igniter during transportation.

SECTION 14 : REGULATORY INFORMATION

The Industrial Safety and Health Regulation: None

The Other Foreign Laws Regulation: None

SECTION 15 : OTHER INFORMATION

The Source of Data: Korea Occupational Safety and Health Agency

The data in this Material Safety Data Sheet relates only to the specific materials designated herein and does not relate to use in combination with any other material or in any process.

Indicates updated section

This information is based upon technical information believed to be reliable.

It is subject to revision as additional knowledge and experience is gained.