

# Floatmax Systems Inc. FS-104 MaxTab

## MATERIAL SAFETY DATA SHEET

### 1. PRODUCT AND COMPANY IDENTIFICATION

- ◎ PRODUCT: Adhesive TAB
- ◎ SHAPE: Film in Roll
- ◎ USAGE: Materials connecting
- ◎ CHEMICAL NAME: Acrylic PSA Polyethylene Film
- ◎ SUPPLIER

COMPANY: I.S

ADDRESS: 104-102, 172 BUN-GIL 8, SHINBONG 1RO, SUJI-GU,  
YONGIN-SI, GYEONGGIDO, KOREA

PHONE: 010 - 3015 - 8307

- ◎ CREATION DATE: OCT. 30<sup>TH</sup> 2017

### 2. HAZARDS IDENTIFICATION

- ◎ MALEFICENCE · HAZARD IDENTIFICATION

INFLAMMABILITY LIQUID: Not applicable

ACUTE HAZARD(BREATH: VAPOR): Not applicable

SPECIFIC ORGANS HAZARD(1 TIME EXPOSURED): Not applicable

- ◎ PREVENTION MEASURE WRITING AND WARNING PICTURE  
PICTURE



SIGNAL: HAZARD

HAZARD · WRITING: H225 INFLAMMABILITY SOLID

PREVENTION MEASURE WRITING

PREVENTION: P210 AWAY FROM HEAT · SPARK · FLAME · HIGH TEMPERATURE

P243 TAKING ANTI-STATIC ACTION

P261 Dust · Gas · Mist · Steam · Spray no breathing

P264 After handling washing well

P270 On handling no eating and drinking and smoking

P271 handling in outside or ventilated place

P280 Wearing protective gloves, clothes and protective glasses

Taking shower and washing need

P312 Being indisposed, doctor' s examination necessary

STORAGE: P403+P235 STORAGE IT IN SHADE AND VENTILATED PLACE  
AND ROOM TEMPERATURE  
P405 sealing storage

DISPOSAL: P501 RELATING REGULATION DISCARD

© NFPA Ratings (Scale 0-3) : Health=1 , Fire=1 , Reactivity=0

3. Product name and CAS number of components

< Coating Resin >

1. CHEMICAL NAME: Acrylic Copolymer and Synthesis Rubber Adhesive

2. USAGE: Adhesive coating liquid on film

3. PRODUCT NAME and CAS NUMBER

	PRODUCT NAME	CONTAIN(%)	CAS NO
1.	Modified Acrylic Co-Polymer	20 ~ 40	25085-02-3
2.	Synthesis Rubber	0.1 ~ 10	35239-19-1
3.	Others	0.01 ~ 10	-
4.	Additives	0.1 ~ 10	

< Base Film >

1. CHEMICAL NAME: Polyethylene and Polypropylene Film

2. USAGE: Adhesive coating liquid on film

3. PRODUCT NAME and CAS NUMBER

	PRODUCT NAME	CONTAIN(%)	CAS NO
1.	High density Polyethylene	40 ~ 60	25087-34-7
2.	Polypropylene	1 ~ 10	9003-07-0
3.	Additives	0.1 ~ 10	-

#### 4. First aid Measure

EYE CONTACT: Wash eyes thoroughly with large amounts of water or normal saline,  
Occasionally lifting upper and lower lids, until no evidence of chemical  
remains (at least 15-20 minutes). Get medical attention if irritation occurs.

SKIN CONTACT: Remove contaminated clothing, jewelry, and shoes immediately. Wash with  
soap or mild detergent and large amounts of water until no evidence  
of chemical remains (at least 15-20 minutes).  
Get medical attention if irritation develops or persists.

INHALATION: Remove victim to fresh air immediately. If needed, begin artificial  
Respiration. Keep victim rested and warm. Get medical attention for any  
breathing difficulty.

INGESTION: Give several glasses of water to drink to dilute. If vomiting occurs,  
keep head lower than hips to help prevent aspiration. If large amounts were  
Swallowed, get medical attention.

INFORMATION TO DOCTORS : No known detoxificants. Treat according to symptoms.

#### 5. Fire Fighting Measure

SPONTANEOUS COMBUSTION POINT: Not applicable

MINIMUM FLAMMABLE LIMITS/MAXIMUM FLAMMABLE LIMITS : Not applicable

NFPA: Combustible, Synthetic Plastic Polymer

Extinguishing Media

: Not considered to be an explosion hazard.

In case of fires use water spray, dry chemical, carbon dioxide (CO<sub>2</sub>), or chemical

foam.

FIRE FIGHTING PROCEDURES: Use extinguishing agents appropriate for surrounding fire.  
Avoid inhalation of material or combustion by-products.  
Stay upwind and keep out of low areas.

HAZARDOUS COMBUSTION BY-PRODUCTS: Heat degradable by-product may include  
Irritation-causing smoke and fumes including carbon monoxide, carbon dioxide,

## **6. Accidental Release Measure**

STEPS TO BE TAKEN TO PROTECT FROM BODILY HARM: Wear protective clothing

STEPS TO BE TAKEN TO PROTECT ENVIRONMENT: Collect spilled material in an

Appropriate dry container for later disposal.

Keep out of water supplies and sewers.

Vacuuming or wet sweeping may be used to avoid dust dispersal.

## **7. HANDLING AND STORAGE**

Store in dry and well ventilated area.

Do not expose to direct sunlight.

Keep well sealed when not in use.

Store and handle in accordance with all current environmental regulations and standards.

## **8. EXPOSURE CONTROLS AND PERSONAL PROTECTION**

ENGINEERING CONTROLS: none established

RESPIRATORY PROTECTION

: The following respiratory personal protection equipment is recommended  
By information obtained from various data sources related to toxicity  
And health.

The listed respiratory protection equipment are ranked in the order of  
Minimum requirements to maximum requirements.

The selected respiratory protection equipment should be based on  
Pollution levels and production processes in the working area, and  
Should not exceed the maximum operating limits of the respiratory  
Protection equipment.

Products should be approved by NIOSH/MSHA.

: Respiratory protective equipment for particles and mist

- : Supplied-air purifying respiratory protective equipment with high Efficiency particle filter
- : Supplied-air purifying respiratory protective equipment with particle And mist filter
- : C type air supply (ventilating type) respiratory protective equipment With pressure-demand or positive-pressure mode.
- : Self-contained respiratory equipment.

#### Eye Protection

- : Operator should wear splash resistant or particle resistant safety Goggles to avoid eye contact with self adhesive material.
- An emergency eye wash fountain and quick drench shower should Be installed in the immediate work area.

#### Protective Gloves

- : Operator should wear appropriate protective gloves to avoid contact With self adhesive material.

#### Protective Clothing

- : Operator should wear appropriate (impervious) protective clothing To avoid repetitive or long-term contact with self adhesive material.

#### PELs

- : No standards or limits listed by OSHA, ACGIH, or NIOSH

#### Ventilation

- : Provide local exhaust ventilation system.
- Ventilation equipment should be explosion-resistant.
- Ensure compliance with applicable exposure limits.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

- ⊙ Molecular weight: Not applicable
- ⊙ Molecular formula: Not applicable
- ⊙ Boiling point : Not applicable
- ⊙ Freezing point: Not applicable
- ⊙ Vapor pressure: Not applicable

- ⊙ Vapor density: Not applicable
- ⊙ Gravity:  $0.95 \pm 0.1$
- ⊙ Solubility: Not applicable
- ⊙ PH: Not applicable

## 10. Stability and Reactivity

Chemical Stability : Stable under normal temperatures and pressures.

Conditions to Avoid: Exposure to acids, fire, sparks, moisture, and other  
Incompatibles

Incompatibilities with Other Materials: Acids, chemical bases, and oxides

Hazardous Decomposition Products: When heated to decomposition irritating and  
T Toxic fumes such as carbon dioxides and hydrocarbons will occur

Hazardous Polymerization : Will not occur

## 11. Toxicological information

Eye Contact: No information

Skin Contact: No information

Chronic Effects: No information

Mutagenic Effects: No information

Reproductive Effects: No information

Toxicity Data: No information

## 12. Ecological Information

Ecotoxicity: No information

Water and Biototoxicity: No information

Soil Migration: No information

Residue and Decomposition: No information

Accumulation in Human Body: No information

Environmental Effect Rating (0-4): No information

Acute Water Toxicity: No information

BCF: No information

## 13. Disposal Consideration

Regulations: Hazardous Waste

Disposal: Dispose of in a manner consistent with relevant environmental regulations

Toxicity Reference Levels: No information

#### 14. Transport Information

Regulations under Transportation and Storage of Hazardous Goods

: no classification assigned

Regulations by ICAO/IATA, RID/ADR

: no classification assigned

Precautions during Transport

: no classification assigned

#### 15. Regulatory Information

◎ The Industrial Safety & Health Laws of the Republic of Korea: Not applicable

◎ Toxic Chemical control Act: Not applicable

◎ Safety Control of Dangerous Substances Act: Combustibility material

◎ Foreign restriction

OSHA restriction : Not applicable

CERCLA restriction: Not applicable

EPCRA 302 restriction: Not applicable

EPCRA 304 restriction: Not applicable

EPCRA 313 restriction: Not applicable

USA classification information(Rotterdam): Not applicable

USA classification information (Stockholm): Not applicable

USA classification information (Montreal): Not applicable

EU classification information(determine classification): Not applicable

EU classification information (Hazard writing): Not applicable

EU classification information (Safety writing): Not applicable

#### 16. Other information

This information has been prepared under the Industrial Safety & Health Laws of the Republic of Korea, with reference to the MSDS-OHS Database of MDL Information System, Inc.

◎ Reference and Quotation

– MSDS writing standard (Ministry of Labor examination 96-12, 1996. 4.)

– MSDS manual (KOSH, 1995. 10.)

– THE SIGMA-ALDRICH LIBRARY OF CHEMICAL SAFETY DATA (EDITION II)

- TOXNET, U.S. National Library of Medicine(<http://toxnet.nlm.nih.gov>)
- Corporate Solution From Thomson Micromedex(<http://csi.micromedex.com>)
- The Chemical Database, The Department of Chemistry at the University of Akron  
(<http://ull.chemistry.uakron.edu/erd>)
- International Chemical Safety Cards(ICSC)(<http://www.nihs.go.jp/ICSC>)
- ECB-ESIS(European chemical Substances Information System)(<http://ecb.jrc.it/esis>)
- ECOTOX Database, EPA(<http://cfpub.epa.gov/ecotox>)
- NIER(<http://ncis.nier.go.kr>)
- NEM(<http://hazmat.nema.go.kr>)