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Revised: ---

Safety Data Sheet

1. IDENTIFICATION

Product Name: Foil Adhesive TFG301
General Use: May be used for printing on paper, textile, wood, and film.
Product Description: Water based binder of acrylic resin.
SDS Number: A-0099C

MANUFACTURER

Company Name: Matsui Shikiso Chemical Co., Ltd.
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AGENCY

Matsui International Co., Inc.
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2. HAZARDS IDENTIFICATION

CLASSIFICATION

Health Hazard: Not classified.
Physical Hazard: Not classified.
Signal Word: None.
Hazard Statement: None.
Symbol: None.

Precautionary Statements:

Prevention: Avoid release to the environment.
Disposal: Dispose of contents/container in accordance with local/regional/national/international regulation.
Other hazard: Harmful to aquatic life.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Component(s)	CAS #	Approx. %
Resin	Trade secret	< 50
Disodium disulphite	7681-57-4	< 1
Methanol	67-56-1	< 0.1
Non-hazardous and other ingredients below reportable levels	N/A	Balance

V.O.C. CONTENT: < 300 g/L

4. FIRST AID MEASURES

INHALATION:

Remove to fresh air and lie quiet. Seek medical attention as needed.

EYE: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Seek medical attention as needed.

SKIN: Wash with mild soap and water.

INGESTION:

Rinse mouth thoroughly with water. Induce vomiting with much water if possible.

Seek medical attention as needed.

PROTECTION TO FIRST-AIDERS:

Wear personal protective clothing and equipment.

NOTE TO PHYSICIAN:

Treat symptomatically.

5. FIRE FIGHTING MEASURES

SUITABLE EXTINGUISHING MEDIA

Use water, dry chemical, or CO₂ gas.

(This product is not combustible under normal conditions due to its aqueous property)

UNSUITABLE EXTINGUISHING MEDIA

No data available.

SPECIFIC HAZARDS ARISING FROM THE CHEMICAL

No data available.

SPECIAL PROTECTIVE EQUIPMENT AND PRECAUTIONS FOR FIRE-FIGHTERS

In case of fire, wear respirator.

6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES

Wear protective gloves and goggles to avoid contact with skin and eyes.

METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP

For small spill, soak with dry sand, soil, sawdust, or rags.

Collect spilled material in container for disposal.

For large spill, dike with sandbags and prevent from contaminating soil.

If material is released to water supply, drains or vegetation, advise local authority.

7. HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING

Protective Measures:

Wear suitable protective equipment and clothing as needed to prevent the material from contacting skin and eyes. Use only in a well-ventilated area.

Advice on General Occupational Hygiene:

Wash thoroughly after handling. Do not eat, drink, or smoke during work.

CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES

Technical Measures Storage Conditions:

Store in a cool and dark place away from direct sunlight. Avoid freezing.

Keep container tightly closed.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

EXPOSURE LIMIT VALUES

Disodium disulphite ACGIH - TLV (TWA): 5 mg /m³

EXPOSURE CONTROLS

Occupational Exposure Controls:

Local exhaust ventilation or general ventilation is recommended during indoor operation.

Personal Protection:

Respiratory Protection:

Not necessary under normal handling condition.

Hand Protection:

Wear rubber or plastic gloves.

Eye Protection:

Wear safety glasses or goggles.

Skin Protection:

Wear long pants, long sleeves, and boots when applicable.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Light yellow paste.
Odor:	Slight odor.
pH:	8.0 ± 0.5
Melting Point:	Not available.
Boiling Point:	Not available.
Flash Point:	Not available.
Evaporation rate:	Not available.
Flammability:	If this product is dry, it may be flammable.
Explosive Properties:	Not applicable.
Oxidizing Properties:	Not applicable.
Vapor Pressure:	Not available.
Relative density:	0.99 ± 0.05 g/cm ³
Solubility (Water):	Miscible.
Partition Coefficient (n-octanol/water):	Not available.
Auto-Ignition Temperature:	Not available.
Decomposition Temperature:	Not available.
Viscosity:	100,000 ± 10,000 mPa·s

10. STABILITY AND REACTIVITY

REACTIVITY:	No specific reactivity under normal condition.
CHEMICAL STABILITY:	Stable under recommended conditions of storage and handling.
POSSIBILITY OF HAZARDOUS REACTION:	None.
CONDITIONS TO AVOID:	None.
INCOMPATIBLE MATERIALS:	None.
HAZARDOUS DECOMPOSITION PRODUCTS:	None.

11. TOXICOLOGICAL INFORMATION

Acute Toxicity:	Oral LD ₅₀ > 5,000mg/kg (Calculation data)
Eye Irritation:	No data available.
Skin Irritation:	No data available.
Carcinogenicity:	Not applicable.
LOCAL EFFECT:	It may cause inflammation if it is attached to the skin for a long time or sensitive skin.

12. ECOLOGICAL INFORMATION

ECOTOXICITY:	Fish LC ₅₀ > 5,000 mg/L (Calculation data) Harmful to aquatic life.
MOBILITY:	No data available.
PERSISTENCE AND BIODEGRADABILITY:	Not available.
BIOACCUMULATIVE POTENTIAL:	Not available.
OTHER ADVERSE EFFECTS:	Not available.

13. DISPOSAL INFORMATION

Comply with all federal, state and local regulations.

Do not dump this product into sewers, on the ground or into any body of water.

14. TRANSPORT INFORMATION

US DEPARTMENT OF TRANSPORTATION (DOT)

Hazardous Materials:	Not regulated.
Hazardous Materials Description and Proper Shipping Name:	Not regulated.
Hazard Class or Division:	Not regulated.
Identification Number:	Not regulated.
Packing Group:	Not regulated.
Label(s) Required:	Not regulated.

SEA TRANSPORT

IMDG

Class:	Not regulated.
Packing Group (PG):	Not regulated.
UN Number:	Not regulated.
Proper Shipping Name:	Not regulated.
Marine Pollutant:	Not regulated.

AIR TRANSPORT

ICAO/IATA

Class:	Not regulated.
Packing Group (PG):	Not regulated.
UN Number:	Not regulated.
Proper Shipping Name:	Not regulated.

15. REGULATORY INFORMATION

OSHA STATUS:

This product is not considered to be hazardous under 29 CFR 1910.1200.

TSCA STATUS:

All components on TSCA INVENTORY.

CA Prop. 65:

⚠ WARNING:

This product can expose you to chemicals including Methanol, which is known to the State of California to cause developmental. For more information go to www.P65Warnings.ca.gov.

CERCLA REPORTABLE QUANTITY (40 CFR 117, 302):

Not applicable.

SARA TITLE III

Section 302 (40 CFR 355) – Extremely hazardous substance:

Not applicable.

Section 311/312 (40 CFR 370) – Hazard categories:

Immediate (acute) health hazard	N
Delayed (chronic) health hazard	N
Fire hazard	N
Sudden release of pressure	N
Reactive	N

Section 313 (40 CFR 372) – Toxic chemical:

Not applicable.

CONEG – Typical Metals present in ppm:

Cadmium (Cd)	N
Hexavalent Chromium (Cr(VI))	N
Lead (Pb)	N
Mercury (Hg)	N

HMIS Ratings

Health:	1
Flammability:	0
Reactivity:	0
Protection:	C

(0 = Minimal, 1 = Slight, 2 = Moderate, 3 = Serious, 4 = Severe)

ENCS (Japan): Components listed.

Please refer to any other federal, state and local regulations.

For specific questions please call to Matsui International Co., Inc. USA 3107677812.

16. OTHER

ABBREVIATIONS

OSHA: The Occupational Safety and Health Administration

NTP: National Toxicology Program

IARC: International Agency for Research on Cancer

ACGIH: American Conference of Governmental Industrial Hygienists, Inc.

IMDG: International Maritime Dangerous Goods

ICAO: International Civil Aviation Organization

IATA: International Air Transport Association

TSCA: Toxic Substances Control Act

CERCLA: Comprehensive Environmental Response, Compensation and Liability Act of 1980

SARA: Superfund Amendments and Reauthorization Act of 1986

CONEG: the Coalition of Northeastern Governors

ENCS: Existing and New Chemical Substances

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