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Material Safety Data Sheet

1. Identification of the Substance/Preparation and of the Company

Product Name MORESCO-MELT TN-615Y

Manufacturer MORESCO Corporation

Address 5-5-3, Minatojima-minamimachi, Chuo-ku, Kobe-city, Hyogo, Japan

Customer Center Tel: 81-6-6262-3385 FAX: 81-6-6262-3327

Email Address: customercenter@moresco.co.jp

Emergency phone Number Hot-Melt Sales Department Sales Section

Tel: 81-6-6262-3310 FAX: 81-6-6262-3327 Hot-Melt Sales Department Tokyo Sales Section

Tel: 81-3-3273-7526 FAX: 81-3-3281-7756

Hot-Melt Manufacturing Department Technical Section

Tel: 81-791-42-2100 FAX: 81-791-43-3179

Recommended Use and

Restrictions on Use Hot-Melt Adhesive

2. Hazard Identification

GHS Classification:

Physical Hazards:

Health Hazards:

Environmental Hazards: Hazardous to Aquatic Environment

Not applicable

Not applicable

Label Elements:

Pictograms/Symbols None
Signal Ward None
Hazard Statements None

Precautionary Statements [Prevention]

None

[Response]

None

[Storage]

None

[Disposal]

None

When preventive mention mentioned above is not written, take the following information

into account about the prevention / response / safekeeping / disposal

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3. Composition/Information on Ingredients

Distinction between Substance and Mixture: Mixture

Chemical Name/Generic Name: Synthetic Rubber-Based Hot-Melt Adhesive

Chemical Formula Not identified

Ingredient and Concentration Synthetic Rubber, Tackifier, Additives 65~80%

Mineral oil 20~35%

4. First-Aid Measures

Inhalation: In case of inhale of the steam which was heated excessively and if feeling

abnormality in a throat, remove person to fresh air and comfortable for breathing.

Get medical advice/attention.

Skin Contact: If molten product is on skin, cool off with water immediately and get medical

advice/attention.

Eye Contact: If molten product is in eye, cool off with water immediately and get medical

advice/attention.

Ingestion: Immediately get medical advice/attention.

Expected Acute and If swallowed, may suffer from diarrhea and vomiting.

Delayed Symptoms, and May cause inflammation if in eyes.

Most Important Symptoms/ May cause inflammation if on skin.

Effects: May feel unwell if mist is inhaled.

5. Fire-Fighting Measures

Suitable Extinguishing Media

Use water spray, dry chemical powder, carbon dioxide, dry sand,

foam.

Unsuitable Extinguishing Media Jet water Specific Hazards None

Specific Fire-Fighting Measures Shut off the fire source.

Use water spray, dry chemical powder, carbon dioxide, dry sand,

foam.

Heated water or a molten product may be scattered when doing water

dispersion to a molten product in the case of a large-scale fire.

In this case it is effective to intercept the air with foam extinguishers.

Cool the surrounding facilities with water spray.

Prohibit entrance except the person concerned around the fire scene. After extinguishing a fire no admittance is allowed except people involved by stretching rope and others until the inside of the product

cools off.

Special Protective Actions for Wearing protective glasses, protective clothing, and if necessary,

Fire-Fighting respiratory protective equipment, start to fight fire on the windward

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side.

6. Accidental Release Measures

Personal Precautions, Protective If skin or eye contact is possible, wear protective equipment.

inhalation.

Environmental Precautions Take up as much as possible to avoid soil contamination and water

pollution.

Avoid release to the environment.

Collection/Neutralization When molted product leaks, remove it after cooling off.

If collecting molten product, wear protective equipment such as

protection glasses, protection gloves, long sleeve work clothes and so

on.

Methods and Materials for Containment Remove a nearby firing source and set up fire extinguishing machine

parts and prevent leakage by enclosing with sand or sandbag.

Prevention of Secondary Hazards Remove all the ignition sources immediately.

Report to the related organs for help.

7. Handling and Storage

Handling:

Technical Measures May burn oneself if molten product is in eye.

Wear protective equipment such as protection glasses when handle it.

May burn oneself if molten product is on skin.

Wear protective equipment such as protection gloves, long sleeve

work clothes and so on when handle it.

May feel unwell if mist is inhaled.

Wear respiratory protective equipment to avoid inhalation when

handle it.

Do not use other than an apparatus for exclusive use.

Wear protective equipment such as protection glasses, protection

gloves, long sleeve work clothes and so on when handle it.

Keep away from heat, sparks, open flames, hot surface and static

electricity.

Do not emit steam carelessly.

Be careful so that water or contaminant does not enter.

For use only for adhesive.

Local Exhaust Ventilation/

Full Ventilation System

Refer to '8. Exposure Controls/Personal Protection'.

Avoiding Contact

Strong oxidizer

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Precautions for Safe Handling. Obtain special instructions before use.

Do not handle until all safety precautions have been read and

understood.

Do not press an empty container. It may explode under pressure.

Do not drink.

Keep out of reach of children.

Storage:

Technical Measures Keep away from heat, sparks, open flames, hot surface and static

electricity.

Incompatible Materials Strong oxidizer

Conditions for Safe Storage Protect from sunlight.

Store in a well-ventilated and cool-dark place.

Materials for Containers/Packaging When replacing the container, use a box, a film, the paper that made

mold release processing. Otherwise it may not come off.

8. Exposure Controls/Personal Protection

Permissible Concentration (Exposure Limit, a biological exposure index)

Japan Society for Occupational Health (2010): 3mg/m³ (mineral oil mist) 1)

ACGIH (2010): TWA 5mg/ m³ (mineral oil mist) ²⁾

Standards for Allowable Density of Hazardous Substances in Labor Operation Air: Not established

Engineering Controls: Desirable to use a hot melt applicator that have a direct vent type.

When mist and vapors are produced, seal off sources or provide local exhaust

ventilation.

Personal Protective Equipment

Respiratory Protection: If necessary, wear appropriate respiratory protection.

Hand Protection: If necessary, wear heat-resistant protective gloves.

Eye Protection: If necessary, wear protection glasses side shields.

Skin and Body Protection: If necessary, wear long sleeve work clothes and work shoes.

Hygienic Precautions: Wash hands thoroughly after handling.

Regularly inspect protective equipment according to the inspection table of

protective equipment.

Do not eat, drink or smoke when using this product.

9. Physical and Chemical Properties

Physical State:

Appearance Solid
Color White

Odor Slight resin odor pH Not applicable

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Melting/Freezing Point

Not applicable

Boiling Point

Not applicable

Flash Point

210 (Min)

Explosive Range (Explosive Limits)

Vapor Pressure

Vapor Density (air=1)

Specific Gravity (Density)

Solubility

No data available

Softening point 88

Volatility None (at room temperatures)

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10. Stability and Reactivity

Stability Stable under normal conditions.

Possibility of Hazardous Reactions No data available (Hazardous reactions will not occur under normal

use).

Conditions to Avoid No data available (Hazardous reactions will not occur under normal

use).

Incompatible Materials Strong oxidizer

Hazardous Decomposition Products None

11. Toxicological Information

Acute Toxicity:

Oral No information classified into Acute toxicity (oral) as a mixture.

Dermal No information classified into Acute toxicity (Dermal) as a mixture.

Inhalation No information classified into Acute toxicity (Inhalation) as a

mixture.

Skin Corrosion/Irritation No information classified into Skin Corrosion/Irritation as a mixture.

Serious Eye Damage/Eye Irritation No information classified into Serious Eye Damage/Eye Irritation as

a mixture

Respiratory or Skin Sensitization No information classified into Respiratory or Skin Sensitization as a

mixture.

Germ Cell Mutagenicity

No information classified into Germ Cell Mutagenicity as a mixture.

Carcinogenicity No information classified into Carcinogenicity as a mixture.

Reproductive Toxicity No information classified into Reproductive Toxicity as a mixture.

STOT/Systemic Toxicity - No information classified into STOT/Systemic Toxicity-Single

Single Exposure Exposure as a mixture.

STOT/Systemic Toxicity - No information classified into STOT/Systemic Toxicity- Repeated

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Repeated Exposure Exposure as a mixture.

Aspiration Hazard Aspiration Hazard is classified in Classification Not Possible as a

mixture.

12. Ecological Information

Ecotoxicity No information classified into Aquatic Toxicity as a mixture.

Persistence and Degradability

No information available

Bioaccumulative Potential

No information available

Mobility in Soil

Other Adverse Effects

No information available

Environmental Criteria

No information available

13. Disposal Considerations

Waste Residues Dispose the waste according to national and local regulations.

Do not dump.

Contaminated Containers

and Packaging

Contaminated or empty container/packaging are to be disposed according to

national and local regulations.

14. Transport Information

International Regulation Not applicable
UN Classification Not applicable

Special Precautions: Load the containers in a manner that they are certain not to result in direct

sunlight exposure, damage, corrosion, leak, while being transported.

Load the containers in manner that they are not to fall apart while being

transport.

Do not place heavy load on top of the container.

15. Regulatory Information

No Information

16. Other Information

References:

- 1) Recommendation of Occupational Exposure Limits by Japan Society for Occupational Health
- 2) Thresholds limit values for chemical substances and physical agents and biological exposure

indices. ACGIH

- 1. As evaluations on hazards are not necessary satisfactory, special attention should be paid for use.
- 2. This MSDS, summarizing matters to be attended to, is required for proper use of the product and is intended for normal use.
- 3. Referring to this MSDS, properly use and handle this product on the user's own responsibility.

Date Prepared: May 28, 2013 1JE

4. The contents of this MSDS are based on information available as of today and our knowledge. The information, data, and evaluations herein are not guaranteed, and in addition, may be revised due to revision of laws or knowledge newly obtained.