

Product Information

MSDS 02

JOWAT 10 221.70

JOWAT HIGHTHERM 10 222.40; 220.00; 221.00; 221.01; 221.03; 221.09; 221.10; 221.19; 221.60; 221.61; 221.70; 221.80; 221.85; 222.30; 225.00; 227.30; 227.50; 227.60; 230.00; 230.03

JOWAT TOPTHERM 11 236.00; 236.00; 236.50; 256.00; 256.05; 256.50; 256.70; 256.73; 256.75; 256.80; 256.90; 60 256.70; 60 256.80; 61 256.80; 63 256.80; EXP 170 20

JOWATHERM 10 247.15; 10 267.40; 11 629.20; 212.00; 244.10; 244.50; 244.70; 244.80; 245.00; 247.10; 247.17; 247.20; 250.00; 250.50; 250.80; 250.85; 251.20; 251.50; 256.79; 267.60; 267.99; 268.00; 268.20; 268.25; 270.30; 276.00; 291.50; 60 240.00; 60 239.80; 60 245.00; 60 247.10; 60 247.20; 60 248.00; 60 250.00; 60 252.10; 60 255.50; 60 267.60; 61 245.00; 61 247.20; 61 248.00; 61 267.60; 62 267.60; 628.50; 628.60; 63 248.00; 65 267.60; U-1512; U-2101; U-2101 H; U-2105; U-2171; U-2191; U-2541; U-2541 F; U-2591; U-2595; U-2601; U-5512; U-6338, EXP 200 018

Product class: THERMOPLASTIC ADHESIVE and JOWAT TOPTHERM

Section I - General Information

Manufacturer: **Jowat Corporation**
6058 Lois Lane
Archdale NC 27263

Emergency Phone Numbers: **1 800 424 9300 (Chemtrec 24 Hours)**
Information Telephone Number: **336 434 9000**

Date Prepared: 10/07/93
Prepared by: G. Haas

Date Issued: 4/2/2009

Date Reviewed: 03//18/2009

Section II - Hazardous Ingredients

None known to Jowat Corporation.

Section III - Physical Data

MELTING POINT: N/A

BOILING POINT: N/A

VOC: <= 10 g/L

WATER SOLUBILITY: negligible

ODOR: mild ester odor

FORM: at room temperature solid blocks, pellets or slugs

Section IV - Fire and Explosion Hazard Data

FLASHPOINT: >250°C (>482°F) COC

FIRE AND EXPLOSION HAZARDS: None known to Jowat Corporation.

HAZARDOUS COMBUSTION PRODUCTS: Like most organic products it may form carbon monoxide, -dioxide, and other byproducts.

EXTINGUISHING MEDIA: Water fog, carbon dioxide, foam, dry chemical.

SPECIAL FIREFIGHTING PROCEDURES: Do not use water to extinguish a fire at temperatures above 220°C (430°F). material may foam and sputter. Wear NIOSH/MSHA approved positive pressure self- contained breathing apparatus if exposed to fumes.

Section V - Reactivity Data

STABILITY: Stable

CONDITIONS TO AVOID: Do not heat above 220°C (430°F) for prolonged time.

MATERIALS TO AVOID: None known to Jowat Corporation.

Section VI - Health Hazard Data

ROUTE(S) OF ENTRY:

- *Inhalation*: of vapor of molten materials
- *Ingestion*: very unlikely
- *Skin*: N/A

HEALTH HAZARDS (ACUTE AND CHRONIC): None known To Jowat Corporation.

CARCINOGENICITY:

- NTP: not listed
- IARC: not listed
- OSHA: not regulated

SIGNS AND SYMPTOMS OF OVEREXPOSURE:

- *Eyes*: Vapors and fumes may cause irritation.
- *Skin*: No known effects.
- *Inhalation*: Vapors and fumes may cause irritation of the nose, throat, and respiratory - tract.
- *Chronic*: None known to Jowat Corporation.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: None known to Jowat Corporation.

EMERGENCY AND FIRST AID PROCEDURES:

- *Eyes*: Flush with plenty of water; if irritation appears consult physician.
- *Skin*: If irritation appears flush with plenty of soap and water; in case of contact with molten material flush with plenty of cold water; do not attempt to remove solidified material. Consult a physician for burn treatment.
- *Inhalation*: Remove to fresh air; if breathing stops administer respiration or oxygen; call a physician.
- *Ingestion*: Induce vomiting after drinking two glasses of water. Consult a physician.

Section VII - Precautions for Safe Handling and Use

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

- *Pellets or solid material*: Sweep area immediately and dispose of contaminated material accordingly.
- *Molten material*: Allow to cool and solidify, then remove.

WASTE DISPOSAL METHOD: Dispose of as solid waste in compliance with federal, state and local regulations for non-hazardous substances.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: Store in dry, clean and cool area. Avoid temperatures above 50°C (120°F) to prevent material from blocking.

OTHER PRECAUTIONS: Normal usage involves hot, molten adhesive which can cause severe burns; handle with care.

Section VIII - Control Measures

RESPIRATORY - PROTECTION: No special requirement under ordinary conditions of use when adequate ventilation is provided.

LOCAL EXHAUST: Recommended to remove vapors when processing material.
PROTECTIVE GLOVES: Wear heat protective gloves when processing.
EYE PROTECTION: Safety glasses or better recommended.
OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Protective apron, long sleeve and safety shower when processing material.
WORK/HYGIENIC PRACTICES: Use good hygiene and housekeeping practice.

Section IX - Regulatory Information

HMIS - RATING: HEALTH-1 FLAMABILITY-1 REACTIVITY-0

WHMIS CLASS: Not controlled

DOT PROPER SHIPPING NAME: Not a regulated material.

TSCA STATUS: All components of this material are registered under the Regulation of the Toxic Substances Control Act.

SARA TITLE III / SECTION 313:

This product does not contain any toxic chemical subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA) and 40 CFR PART 372.

Section X - Other Information

These data are based on our present state of information. They shall, however, not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship. All standard industrial precautions apply, concerning protection of health, and safe handling. The recommendations have to be examined in the context of the application for which the product is intended, and observed as necessary.