

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: FastenMaster FLEX 180

Supplier and Responsible Party: OMG, Inc.
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24-hour Emergency Response Number:
Chemtrec: 800-424-9300

Product Use(s): Industrial hot melt adhesive

2. HAZARDS IDENTIFICATION

Classification(s): None applicable

Symbol(s): None applicable

Signal Word(s): None applicable

Hazard Statement(s): None applicable

Precautionary Statement(s): None applicable

3. COMPOSITION/INFORMATION ON INGREDIENTS

This formula of this product is a Trade Secret. No ingredients of the product are classified as *Health Hazards* or *Physical Hazards* per U.S. HAZCOM regulations (29CFR 1910.1200) or Canada's *Hazardous Products Regulations* (SOR/DORS/ 2015-17).

4. FIRST AID MEASURES

Eyes: If eyes contact molten product, immediately flush with water for at least fifteen minutes. Do not attempt removal of product from eyes. Seek immediate medical assistance.

Skin: If molten product contacts skin, drench with water for at least five minutes. Cover with gauze and seek immediate medical assistance. Do not attempt removal of product from skin.

Ingestion: Ingestion of solid product may cause nausea and gastrointestinal irritation.

Inhalation: If exposed to fumes of decomposition from overheating the product, remove subject to fresh air and keep comfortable for breathing. Seek medical attention if necessary. Keep the subject warm and at rest.

Guidance for Physician or Poison Control Center: None of the components of this product are acutely toxic by ingestion or inhalation. Eye contact with molten product can cause severe injury. Skin contact with molten product can cause skin burns. Ingestion is unlikely to occur in industrial use, but if ingestion occurs it may cause nausea and gastrointestinal irritation.

5. FIREFIGHTING MEASURES

Extinguishing Media:	Use dry chemical or carbon dioxide. DO NOT use water.
Fire and Explosion Hazards:	This product is nonflammable and noncombustible. If present in a fire or explosion, potential thermal decomposition byproducts include smoke, carbon monoxide, and irritant decomposition byproducts.
Firefighting Instructions:	If fighting a fire in which this product is present, wear a self-contained breathing apparatus with full-facepiece operated in pressure-demand or other positive pressure mode.

6. ACCIDENTAL RELEASE MEASURES

Methods and Materials:	Clean up spilled product for reuse or disposal. If molten product is spilled, allow to cool and solidify before handling.
Personal Precautions:	No special personal precautions are required.
Environmental Precautions:	Prevent product from entering sewers or contaminating soil.

7. HANDLING AND STORAGE

Handling Precautions:	No special handling precautions are required.
Work and Hygiene Practices:	As good hygiene practice following use of the product, wash hands and face before eating, drinking, or using cosmetics or tobacco.
Storage Precautions:	Store below 120°F. (50°C.) and away from incompatible materials (see Section #10).

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Ingredients Exposure Limits:	There are no OSHA <i>Permissible Exposure Limits</i> or ACGIH <i>Threshold Limit Values</i> for any ingredients of the product.
Ingredients Biological Limits:	There are no ACGIH <i>Biological Exposure Indices</i> or other biological limits for any ingredients of the product.
Engineering Controls:	Local exhaust ventilation is not required when using this product in accordance with instructions.
Eye/Face Protection:	Wear eye protection adequate to prevent eye contact with the product. Plastic-frame spectacles with side shields or chemical goggles are recommended. If spraying or splashing of product is possible, wear a face shield.
Skin Protection:	Wear protective gloves and clothing to prevent injury from skin contact with molten product.
Respiratory Protection:	If a respirator is worn for comfort, use of a NIOSH-approved respirator is recommended. Consult the specific OSHA regulations (29CFR1910.134) and/or American National Standard Z88.2 (ANSI, New York, NY 10036, USA) for guidance.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: light yellow solid	Lower/Upper Explosive Limits: not determined
Odor: faint	Vapor pressure: not applicable
Odor threshold: not determined	Vapor density: not applicable
pH: not applicable	Evaporation Rate: not applicable
Melting point: approx. 175°F./79°C.	Percentage VOCs: not determined
Freezing point: not determined	Relative density (H ₂ O): not determined
Boiling point/Boiling range: not determined	Solubility (H ₂ O): insoluble
Flash Point: >500°F./260°C.	Oil-water partition coefficient: not determined
Autoignition Point: not determined	Decomposition temperature: not determined
Flammability Class: not applicable	Viscosity: approx. 4,500 cps @ 350°F./177°C.

10. STABILITY AND REACTIVITY

Stability and Reactivity:	Stable and non-reactive
Conditions to Avoid:	Product should not be heated above 400°F./204°C.
Hazardous Polymerization:	Will not occur
Incompatible Materials:	Oxidizing agents
Potential Decomposition Byproducts:	Carbon monoxide, carbon dioxide, smoke, and irritant decomposition byproducts

11. TOXICOLOGICAL INFORMATION

Ingredient Toxicology Data:	No toxicology data is available for any of the ingredients via any route of exposure.
Primary Route(s) of Entry:	Ingestion
Eye Hazards:	In molten form, this product can cause severe eye injury.
Skin Hazards:	In molten form, this product may cause skin burns.
Ingestion Hazards:	The product is nontoxic by ingestion.
Inhalation Hazards:	Inhalation of toxicologically-significant quantities of ingredients is unlikely when the product is used in accordance with instructions.
Symptoms Related to Overexposure:	None reasonably foreseeable.
Delayed Effects from Long Term Overexposure:	None reasonably foreseeable.
Carcinogenicity:	No ingredients are classified as potential or confirmed human carcinogens by OSHA, NTP, or IARC.
Germ Cell Mutagenicity:	No ingredients have been determined to be germ cell mutagens.
Reproductive Toxicity:	No ingredients have been determined to be damaging to fertility or to the unborn child.
Acute Toxicity Estimates:	No data available via ingestion, inhalation, or dermal contact.
Interactive Effects of Ingredients:	No data available.

12. ECOLOGICAL INFORMATION

Ecotoxicity: No ecotoxicity data are available for the product or its components.
 Ozone Depletion Potential: This product neither contains nor is manufactured with any ingredients known to deplete the ozone layer.

13. DISPOSAL CONSIDERATIONS

Do not discharge waste product into sanitary or storm sewers or allow it to contaminate soil. Consult applicable Federal, State/Provincial, and local regulations.

14. TRANSPORTATION INFORMATION

Transport of the product is not regulated by USDOT, TDG (Canada), IATA, or IMO.

15. REGULATORY INFORMATION

United States Regulatory Information

TSCA Information: All ingredients of this product are listed in the TSCA Registry.
 SARA Hazard Classes: None applicable.
 EPCRA Section 313 Notification: This product contains no ingredients in concentrations $\geq 1\%$ ($\geq 0.1\%$ for carcinogens) regulated under Section 313 of the *Emergency Planning and Community Right-To-Know Act* of 1986 or 40 CFR 372.

Canadian Regulatory Information

This product has been classified in accordance with Canada's *Hazardous Products Regulations* (SOR/DORS/2015-15).

16. OTHER INFORMATION

Hazardous Materials Information System (III) Ratings (Legend):	<u>Health</u> 0 (minimal hazard)	<u>Flammability</u> 1 (slight hazard)	<u>Physical Hazard</u> 0 (minimal hazard)	<u>PPE</u> See Note
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Note regarding PPE: OMG, Inc. recommends use of protective eyewear and skin protection (Personal Protection Index "B") as standard PPE for the anticipated conditions of use of this product. However, HMIS recommends that its ratings be used only in conjunction with a fully implemented HMIS program, and that specific PPE codes should be created by the user, who is familiar with the actual conditions under which the product is used. We cannot anticipate every condition of the product's use, and it is the user's responsibility to evaluate the hazards pertinent to its specific operations, and to determine the specific PPE required.

National Fire Protection Association (NFPA) Ratings:	<u>Health</u> 0	<u>Flammability</u> 1	<u>Reactivity</u> 0
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16. OTHER INFORMATION (continued)

Revision Information: Publication Date: 27 January 2016
Date of Prior SDS: not applicable

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