

**NON-HAZARDOUS**

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*MATERIAL SAFETY DATA SHEET*

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ARTICLE PREFACE

This product, under normal use and conditions, is considered an "Article" under the Occupational Health and Safety Administration's Hazard Communication Standard (29CFR 1910.1200c). Based upon the company's hazards assessment, knowledge of the product and uses, **this product does not pose a physical or health hazard to employees and or end users**. Consequently there is no regulatory requirement to develop an MSDS with respect to this product. This non-hazardous MSDS is being provided solely because certain end users require a MSDS regardless of no hazards, lack of regulatory requirements and the above determination.

For purposes of this Article Preface, "Article" means a manufactured item other than a fluid or particle: (i) which is formed to a specific shape or design during manufacture; (ii) which has end use function(s) dependent in whole or in part upon its shape or design during end use; and (iii) which under normal conditions of use does not release more than very small quantities, e.g., minute or trace amounts of a hazardous chemical, and does not pose a physical hazard or health risk to employees.

**SECTION 1: PRODUCT IDENTIFICATION**

<b>Product Name:</b>	RhinoBond TPO	<b>CAS#:</b> Mixture/None Assigned
<b>Generic Name:</b>	Adhesive Coated Metal Base Plate	<b>Formula:</b> Article
		<b>Hazard Label:</b> Not Required
<b>Chemical Name:</b>	Aluminum/Zinc Alloy Coated Steel with Adhesive Coating	
<b>Manufacturer:</b>	OMG, Inc.	<b>Website:</b> <a href="http://www.olyfast.com">www.olyfast.com</a>
<b>Telephone:</b>	413-789-0252	
<b>Address:</b>	153 Bowles Rd Agawam, MA 01001	
<b>Issue Date:</b>	7/28/2009	
<b>Latest Revision:</b>	3/16/2010	

## SECTION 2: INGREDIENTS

The solid base metal portion is comprised of the following components, which are not released under normal use and conditions:

Component	CAS#	% by Wt.	OSHA PEL
<u>BASE METAL</u>			
Iron (Fe)	7439-89-6	Balance	Fe Oxide Fume - 10 mg/M3
Manganese (Mg)	7439-96-5	1.0 max	Mn Ceiling - 5 mg/M3
Phosphorous (P)	7723-14-0	1.5 max	None for inorganic phosphates
Silicon (Si)	7440-21-3	0.4 max	Si Dust – 15mg/M3
Aluminum (Al)	7429-50-2	0.1 max	Al Dust – 15mg/M3

The solidified metallic coating is comprised of the following components, which are not released under normal use and conditions:

<u>HOT-DIPPED METALLIC COATING</u>			
Zinc (Zn)	7440-66-6	8.0 max	Zn Oxide Dust - 15 mg/M3
Aluminum (Al)	7429-50-2	0.1 max	Al Dust – 15mg/M3
Silicon (Si)	7440-21-3	0.4 max	Si Dust – 15mg/M3
Chromium compounds (Cr)		<0.01 max	Cr(III) - 1.0 mg/M3 Cr(VI) < 0.1 mg/M3
Solidified Adhesive Coating	N/A	1.25%	Not established

## SECTION 3: HAZARD IDENTIFICATION

### Potential Health Effects

Used as expected and/or directed, this product is not expected to release or otherwise result in exposure to a hazardous chemical.

The metal plates may have sharp edges.

## SECTION 4: FIRST AID MEASURES

**Seek medical attention immediately if necessary.**

Basic first aid measures should be followed in the event of minor cuts.

**NOTE: Normal use does not require welding, burning, or grinding. At elevated temperatures, the adhesive may emit toxic gases or fumes. Should an end user engage in such activities, which would not be consistent with the products normal use and application, the end user would be responsible for determining exposure potential and limits and any other applicable regulatory requirements.**

## SECTION 5: FIRE AND EXPLOSION DATA

**Flash Point:** NA

**Autoignition Temperature:** NA

**Fire/Explosion Hazards:** None known.

**Special Extinguishing Media:** Not necessary. Use an extinguishing agent suitable for the surrounding area.

**Special Fire Fighting Procedures:** Use self-contained breathing apparatus for protection against decomposition products and wear protective clothing.

## SECTION 6: SPILL/RELEASE MEASURES

**Spills:** No special precautions are necessary for spills of bulk material.

**Waste Disposal:** Follow federal, state and local regulations regarding disposal. Scrap metal can be reclaimed for reuse.

## SECTION 7: HANDLING AND STORAGE

**Handling and Storage:** No special precautions required under normal conditions.

## SECTION 8: EXPOSURE CONTROL/PERSONAL PROTECTION

Used as expected and/or directed, this product is not expected to release or otherwise result in exposure to a hazardous chemical.

Persons handling the product are responsible for determining whether personal protective equipment is necessary based on the circumstances of use.

When necessary, persons may require appropriate gloves to prevent minor cuts.

**NOTE: Normal use does not require welding, burning, or grinding. At elevated temperatures, the adhesive may emit toxic gases or fumes. Should an end user engage in such activities, which would not be consistent with the products normal use and application, the end user would be responsible for determining exposure potential and limits and any other applicable regulatory requirements.**

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

**Melting Point:** 1370 -1482 °C

**Specific Gravity:** 7.0 - 8.0

**Appearance:** Grey metal solid; odorless; adhesive color varies.

**Vapor Pressure:** Negligible

**Solubility in Water:** Insoluble

## SECTION 10: STABILITY AND REACTIVITY

**Stability:** Stable

**Incompatibility:** Strong acids, caustic and oxidizers.

**Hazardous Decomposition Products:** Metal fumes and certain noxious gases, such as Carbon Monoxide, may be emitted at temperatures above the melting point. At elevated temperatures, the adhesive may emit toxic gases or fumes.

**Hazardous Polymerization:** None

## SECTION 11: TOXICOLOGICAL INFORMATION

**Potential Chronic Health Effects:** None known

**Miscellaneous Toxicological Information:** None known

**Conditions Aggravated by Exposure:** None known

## SECTION 12: ECOLOGICAL INFORMATION

**No known significant effects or critical hazards.**

## SECTION 13: DISPOSAL CONSIDERATIONS

Dispose in accordance with applicable federal, state and local government regulations. Waste generators must determine whether a discarded material is classified as a hazardous waste. USEPA guidelines for the classification determination are listed at 40 CFR 261.3. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.

## SECTION 14: TRANSPORT INFORMATION

**Transportation Summary:** This product is not regulated by the U.S. Department of Transportation.

## SECTION 15: REGULATORY INFORMATION

**SARA Title III Section 313 Reporting Substances:** Manganese, chromium compounds, Aluminum (dust and fume), and Zinc (dust and fume) are subject to reporting requirements.

**Pennsylvania R-T-K List:** Listed components (greater than 0.1% by weight) - Manganese (E), Aluminum (E) and Zinc (E). (E) - environmental hazard.

**New Jersey R-T-K Environmental Hazardous Substance List:** Listed components - Manganese, Aluminum, Chromium compounds, Barium, and Zinc.

**California Proposition 65:** Chromium (VI) is a listed component known by the state to cause cancer.

## SECTION 16: OTHER INFORMATION

### Hazardous Material Information System (USA):

<b>HMIS RATING</b>	
<b>Health</b>	1
<b>Flammability</b>	0
<b>Reactivity</b>	0
<b>Personal Protective Equipment</b>	B

### EMERGENCY ASSISTANCE

This Material Data Safety Sheet ("MSDS") provides general information regarding our products and their use. The safety measures outlined are meant to apply to routine use and any minor injuries and/or accidents that result. Users should seek emergency help immediately for any other injury or accident.

### USER RESPONSIBILITY

This MSDS provides health and safety information. The product listed is to be used in applications consistent with our product literature. Persons handling the product must be informed of the recommended safety precautions and must have access to this information. Please contact OMG, Inc. ("OMG" and/or "the Company") regarding other uses. Exposures must be evaluated so appropriate and safe handling and training programs can be established.

### DISCLAIMER

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