

**AF1000**
BRUSH ON COLD GALVANIZING COMPOUND**SECTION 1: IDENTIFICATION****1.1 PRODUCT IDENTIFIER**

Product Name: Zinc Cold Galv Compound
Product Identifier: AF1000
Product Uses/Class: Cold Galvanizing Compound/High Performance Epoxy Ester
Supplier: Allfasteners USA, LLC.
Preparer: Regulatory Department
Revision Date: 10/18/16
Supersedes: NEW

1.2 SUPPLIERS DETAILS

Company Name: Allfasteners USA LLC
480 Meadow Lane
Carlstadt, NJ 07072
United States
Telephone: 201.783.8836
Fax: 201.783.8840
Email: salesny@allfasteners.com

1.3 EMERGENCY PHONE NUMBER

Emergency Telephone: 1.800.577.3171

SECTION 2: HAZARDOUS IDENTIFICATION**2.1 EMERGENCY OVERVIEW**

May cause eye, skin, or respiratory tract irritation. KEEP OUT OF REACH OF CHILDREN. Harmful if inhaled. Causes eye irritation. Combustible liquid and vapor. Use ventilation necessary to keep exposures below recommended exposure limits, if any.

2.2 GHS HAZARD STATEMENT

Hazard Statements: H227: Flammable liquid, category 4; Combustible liquid.
H313: Acute Toxicity, Dermal, category 5; May be harmful in contact with skin.
H315: Skin irritation, category 2; Causes skin irritation.
H332: Acute Toxicity, Inhalation, category 4; Harmful if inhaled.

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BRUSH ON COLD GALVANIZING COMPOUND**2.2 GHS HAZARD STATEMENTS (CONT'D)**

Hazard Statements: H335: STOT, single expression, category 3, RTI; May cause respiratory irritation.
H336: STOT, single expression, category 3, NE; May cause drowsiness or dizziness.
H242: Organic Peroxide, categories C, D; Heating may cause a fire.
H305: Aspiration Hazard, category 2; May be harmful if swallowed and enters airways.
H320: Eye irritation, category 2B ; Causes eye irritation.

Hazard Pictograms:



Signal Word: Danger.

2.3 GHS PRECAUTIONARY STATEMENTS

- P102** Keep out of reach of children
- P103** Read label before use
- P202** Do not handle until all safety precautions have been read and understood
- P234** Keep only in original container
- P260** Do not breath dust/fume/gas/mist/vapors/spray
- P261** Avoid breathing dust/fume/gas/mist/vapors/spray
- P262** Do not get in eyes, on skin, or on clothing
- P264** Wash...thoroughly after handling
- P270** Do not eat, drink or smoke when using this product
- P271** Use only outdoors or in a well-ventilated area
- P273** Avoid release to the environment
- P280** Wear protective gloves/protective clothing/eye protection/face protection
- P281** Use personal protective equipment as required
- P285** In case of inadequate ventilation wear respiratory protection
- P312** Call a POISON CENTER or doctor/physician if you feel unwell
- P351** Rinse cautiously with water for several minutes
- P374** Fight fire with normal precautions from a reasonable distance
- P402** Store in a dry place
- P410+P412** Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F
- P321** Specific treatment (see...on this label)



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2.3 GHS PRECAUTIONARY STATEMENTS (CONT'D)

P352	Wash with plenty of soap and water
P362	Take off contaminated clothing and wash before reuse
P332+P313	If skin irritation occurs: Get medical advice/attention
P304+P340	If INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
P405	Store locked up
P403+P233	Store in a well-ventilated place. Keep container tightly closed.
P501	Dispose of contents/container to...
P210	Keep away from heat/sparks/open flames/hot surfaces and no smoking
P220	Keep/Store away from clothing/.../combustible materials
P420	Store away from other materials
P411+P235	Store at temperatures not exceeding...°C/...°F. Keep cool.
P302+P350	IF ON SKIN: Gently wash with plenty of soap and water.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 HAZARDOUS SUBSTANCES

ZINC

CAS	WT. % RANGE	GHS SYMBOLS	GHS STATEMENTS
7440-66-6	75-100	GHS 02	H228-250-251-260

MINERAL SPIRITS

CAS	WT. % RANGE	GHS SYMBOLS	GHS STATEMENTS
64742-88-7	2.5-10	GHS 06	H331

ZINC OXIDE

CAS	WT. % RANGE	GHS SYMBOLS	GHS STATEMENTS
1314-13-2	2.5-10	-	-

STODDARD SOLVENT

CAS	WT. % RANGE	GHS SYMBOLS	GHS STATEMENTS
8052-41-3	1.0-2.5	GHS 02	H224

The text for GHS Hazard Statements show above (if any) is given in the "Other information" section.

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SECTION 4: FIRST AID MEASURES**4.1 DESCRIPTION OF FIRST AID MEASURES**

- Eye Contact:** Immediately flush eyes with plenty of water for at least 15 minutes holding eyelids open. Get medical attention. Do NOT allow rubbing of eyes or keeping eyes closed.
- Skin Contact:** Wash skin with soap and water. Remove contaminated clothing. Get medical attention if irritation develops or persists.
- Inhalation:** Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get immediate medical attention. Do NOT use mouth-to-mouth resuscitation. If you experience difficulty in breathing, leave the area to obtain fresh air. If continued difficulty is experienced, get medical assistance immediately.
- Ingestion:** If swallowed, get medical attention.

SECTION 5: FIRE-FIGHTING MEASURES**5.1 EXTINGUISHING MEDIA**

- Extinguishing Media:** Alcohol Film Forming Foam, Carbon Dioxide, Dry Chemical, Water Fog
- Unusual Fire & Explosion Hazards:** No unusual fire or explosion hazards noted. Closed containers may explode when exposed to extreme heat due to buildup of steam. Keep containers tightly closed. Combustible liquid and vapor.
- Special Firefighting Procedures:** Evacuate area and fight fire from a safe distance. Use water spray to keep fire-exposed containers cool. Containers may explode when heated.

SECTION 6: ACCIDENTAL RELEASE MEASURES**6.1 STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED**

Dispose of according to local, state(provincial) and federal regulations. Do not incinerate closed containers. Remove all sources of ignition, ventilate area and remove with inert absorbent and non-sparking tools.

SECTION 7: HANDLING AND STORAGE**7.1 HANDLING**

Wash thoroughly after handling. Wash hands before eating. Remove contaminated clothing and launder before reuse. Use only with adequate ventilation. Follow all MSDS/label precautions even after container is emptied because it may retain product residues. Avoid breathing fumes, vapors or mist.

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BRUSH ON COLD GALVANIZING COMPOUND**7.2 STORAGE**

Store in a dry, well ventilated place. Keep container tightly closed when not in use. Keep container tightly closed. Isolate from heat, electrical equipment, sparks and open flame. Do not store above 120°F. Store large quantities in buildings designed and protected for storage of NFPA Class II combustible liquids. Avoid excess heat.

SECTION 8: EXPOSURE CONTROLS/PERSONAL**8.1 CONTROL PARAMETERS****ZINC**

CAS-NO.	WT. % LESS THAN	ACGIH TLV-TWA	ACGIH TLV-STEL	OSHA PEL-TWA	OSHA PEL-CEILING
7440-66-6	85.0	10 mg/m3(DUST)	N.E.	15 mg/m3(DUST)	N.E.

MINERAL SPIRITS

CAS-NO.	WT. % LESS THAN	ACGIH TLV-TWA	ACGIH TLV-STEL	OSHA PEL-TWA	OSHA PEL-CEILING
64742-88-7	10.0	100 ppm	N.E.	100 ppm	N.E.

ZINC OXIDE

CAS-NO.	WT. % LESS THAN	ACGIH TLV-TWA	ACGIH TLV-STEL	OSHA PEL-TWA	OSHA PEL-CEILING
1314-13-2	5.0	2 mg/m3 (RESPIRABLE DUST)	10 mg/m3 (RESPIRABLE DUST)	5 mg/m3 (RESPIRABLE DUST OR FUME)	N.E.

STODDARD SOLVENT

CAS-NO.	WT. % LESS THAN	ACGIH TLV-TWA	ACGIH TLV-STEL	OSHA PEL-TWA	OSHA PEL-CEILING
8052-41-3	5.0	100 ppm	N.E.	500 ppm	N.E.

8.2 PERSONAL PROTECTION

Engineering Controls: Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits. Prevent build-up of vapors by opening all doors and windows to achieve cross-ventilation.

Respiratory Protection: A respiratory protection program that meets OSHA 1910.145 and ANSI Z88.3 requirements must be followed whenever workplace conditions warrants a respirator's use.

Skin Protection: Use gloves to prevent prolonged skin contact. Nitrile or Neoprene gloves may afford adequate skin protection.



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8.2 PERSONAL PROTECTION (CONT'D)

- Eye Protection:** Use safety eye-wear designed to protect against splash of liquid.
- Other Protective Equipment:** Refer to safety supervisor or industrial hygienist for further guidance regarding types of personal protective equipment and their appliances.
- Hygienic Practices:** Wash thoroughly with soap and water before eating, drinking or smoking. Remove contaminated clothing immediately and launder before reuse.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Liquid	Physical State:	Liquid
Odor:	Solvent Like	Odor Threshold:	N.E.
Relative Density:	3.385	pH:	N.A.
Freeze Point, °C:	N.D.	Viscosity:	N.D.
Solubility in Water:	Negligible	Partition, Coefficient, N-Octanol/Water:	No Information
Decomposition Temp., °C:	No Information	Explosive Limits, Vol%:	0.7 - 9.5
Boiling Range, °C:	0 - 999	Flash Point , °C:	38
Flammability:	Supports Combustion	Auto-Ignition Temp., °C:	No Information
Evaporation Rate:	Slower than Ether	Vapor Pressure:	N.D.
Vapor Density:	Heavier than Air		

(See "Other information" section for abbreviation legend)

SECTION 10: STABILITY AND REACTIVITY

10.1 STABILITY AND REACTIVITY

- Conditions to Avoid:** Avoid temperatures above 120°F. Avoid contact with strong acid and strong bases.
- Incompatibility:** Incompatible with strong oxidizing agents, strong acids and strong alkalis.
- Hazardous Decomposition:** When heated to decomposition, it emits acrid smoke and irritating fumes. Contains solvents which may form carbon monoxide, carbon dioxide and formaldehyde.
- Hazardous Polymerization:** Will not occur under normal circumstances.
- Stability:** This product is stable under normal storage conditions.

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BRUSH ON COLD GALVANIZING COMPOUND**SECTION 11: TOXICOLOGICAL INFORMATION****11.1 EFFECTS OF OVEREXPOSURE - EYE CONTACT**

Substance causes moderate eye irritation.

11.2 EFFECTS OF OVEREXPOSURE - SKIN

Substance may cause slight skin irritation.

11.3 EFFECTS OF OVEREXPOSURE - INHALATION

High gas, vapor, mist or dust concentrations may be harmful if inhaled. Avoid breathing fumes, spray, vapors, or mist. High vapor concentrations are irritating to the eyes, nose, throat, and lungs. Prolonged or excessive inhalation may cause respiratory tract irritation.

11.4 EFFECTS OF OVEREXPOSURE - INGESTION

Irritating to the nose, throat, and respiratory tract. Harmful if swallowed.

11.5 EFFECTS OF OVEREXPOSURE - CHRONIC HAZARDS

Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage.

11.6 PRIMARY ROUTE(S) OF ENTRY

Eye contact, Ingestion, Inhalation, Skin Absorption, Skin Contact

11.7 ACUTE TOXICITY VALUES

The acute effects of this product have not been tested. Data on individual components are tabulated below:

MINERAL SPIRITS

CAS-NO.	Oral LD50	Dermal LD50	Vapor LC50
64742-88-7	>5000 mg/kg Rat	3000 mg/kg Rabbit	>5.28 mg/L Rat

ZINC OXIDE

CAS-NO.	Oral LD50	Dermal LD50	Vapor LC50
1314-13-2	>5000 mg/kg Rat	N.I.	N.I.

N.I. - No Information.



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SECTION 12: ECOLOGICAL INFORMATION

12.1 ECOLOGICAL INFORMATION

Product is a mixture of listed components.

SECTION 13: DISPOSAL INFORMATION

13.1 DISPOSAL INFORMATION

Dispose of material in accordance to local, state, and federal regulations and ordinances. Do not allow to enter waterways, wastewater, soil, storm drains or sewer systems.

SECTION 14: TRANSPORT INFORMATION

14.1 TRANSPORT INFORMATION

	DOMESTIC (USDOT)	INTERNATIONAL (IMDG)	AIR (IATA)	TD (CANADA)
UN NUMBER	N.A.	1263	1263	N.A.
PROPER SHIPPING NAME	Not Regulated	Paint	Paint	Not Regulated
HAZARD CLASS	N.A.	3	3	N.A.
PACKING GROUP	N.A.	III	III	N.A.
LIMITED QUANTITY	No	Yes	Yes	No

Legend: N.A. - Not Applicable, N.E.- Not Established, N.D. - Not Determined

SECTION 15: REGULATORY INFORMATION

15.1 U.S. FEDERAL REGULATIONS

CERCLA - SARA HAZARD CATEGORY

This product has been reviewed according to the EPA 'Hazard Categories' promulgated under Sections 311 and 312 of the Superfund Amendment and Reauthorization Act of 1986 (SARA Title III) and is considered, under applicable definitions, to meet the following categories:

Fire Hazard, Acute Health Hazard, Chronic Health Hazard

SARA SECTION 313

This product contains the following substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendment and Reauthorization Act of 1986 and 440 CFR part 372:

CHEMICAL NAME	CAS-NO.
ZINC	7440-66-6
ZINC OXIDE	1314-13-2
MODIFIED UREA	PROPRIETARY

**AF1000**
BRUSH ON COLD GALVANIZING COMPOUND**15.1 U.S. FEDERAL REGULATIONS (CONT'D)****TOXIC SUBSTANCES CONTROL ACT**

This product contains the following chemical substances subject to the reporting requirements of TSCA 12(B) if exported from the United States:

No TSCA components exists in this product.

INVENTORY INFORMATION

COUNTRY	CAS-NO.
USA (TSCA)	NO INFORMATION
CANADA (DSL)	NO INFORMATION
MEXICO (INSQ)	NO INFORMATION
EUROPE (EINECS)	NO INFORMATION
JAPAN (ENCS)	NO INFORMATION
PHILIPPINES (PICCS)	NO INFORMATION
CHINA (IECSC)	NO INFORMATION
AUSTRALIA (AICS)	NO INFORMATION
KOREA (KECI)	NO INFORMATION
NEW ZEALAND (NZIOC)	NO INFORMATION

CALIFORNIA PROPOSITION 65

WARNING: This product contains a substance known to the State of California to cause cancer.

No Proposition 65 Reproductive Toxins exist in this product..

15.2 INTERNATIONAL REGULATIONS**CANADIAN WHIMS**

This MSDS has been prepared in compliance with Controlled Product Regulations except for the use of the 16 headings.



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SECTION 16: OTHER INFORMATION

16.1 OTHER INFORMATION

HMIS RATINGS

HEALTH	3*
FLAMMABILITY	2
PHYSICAL HAZARD	0
PERSONAL PROTECTION	X

NFPA RATINGS

HEALTH	3
FLAMMABILITY	2
INSTABILITY	0

CANADIAN WHIMS CLASS

B3 D2A

SDS REVISION DATE

10/18/16

VOLATILE ORGANIC COMPOUND, g/L

361

REASON FOR REVISION

New Product

Legend: N.A. - Not Applicable, N.E.- Not Established, N.D. - Not Determined

TEXT FOR GHS HAZARD STATEMENTS SHOWN IN SECTION 3 DESCRIBING EACH INGREDIENT

H224	Extremely flammable liquid and vapor
H228	Flammable solid
H250	Undefined
H251	Self-heating: may catch fire
H260	In contact with water releases flammable gases which may ignite spontaneously
H331	Toxic if inhaled

ICONS FOR GHS PICTOGRAMS IN SECTION 3 DESCRIBING EACH INGREDIENT



GHS02



GHS06

**AF1000**
BRUSH ON COLD GALVANIZING COMPOUND**16.2 DISCLAIMER**

AllFasteners, USA believes, to the best of its knowledge, information and belief, the information contained herein to be accurate and reliable as of the date of its safety data sheet. However, because the conditions of handling, use and storage of these materials are beyond our control, we assume no responsibility or liability for personal injury or property damage incurred by the use of these materials. AllFasteners, USA makes no warranty, expressed or implied, regarding the accuracy or reliability of the data or results obtained from their use. All materials may present unknown hazards and should be used with caution. The information and recommendations in this material safety data sheet are offered for the users' consideration and examination. It is the responsibility of the user to determine other final suitability of this information and comply with the applicable international, federal, state and local laws and regulations.