

**AF3001**
COLD GALVANIZING SPRAY**SECTION 1: IDENTIFICATION****1.1 PRODUCT IDENTIFIER**

Trade Name:	AF3001 Cold Galv.	Uses advised against:	Any that differs from the recommended uses
Product Code:	AF3001		
Supplier:	Allfasteners USA, LLC.	Revision Date:	3/2018
Recommended Use:	Paint & coating applications.	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 CLASSIFICATION OF THE SUBSTANCE OR MIXTURE**

Flam. Aerosol 1	H222 Extremely flammable aerosol.
Press. Gas	H280 Contains gas under pressure; may explode if heated.
Skin Irrit. 2	H315 Causes skin irritation.
Eye Irrit. 2A	H319 Causes serious eye irritation.
Repr. 1	H360 May damage fertility or the unborn child
STOT SE 3	H336 May cause drowsiness or dizziness.
STOT RE 2	H373 May cause damage to organs through prolonged or repeated exposure.

GHS Hazard Pictograms:



GHS02



GHS04



GHS07



GHS08

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COLD GALVANIZING SPRAY**2.2 GHS HAZARD STATEMENTS****Signal Word:** Danger.**Hazard Statements:** Extremely flammable aerosol.
Contains gas under pressure; may explode if heated.
Causes skin irritation.
Causes serious eye irritation.
May damage fertility or the unborn child.
May cause drowsiness or dizziness.
May cause damage to organs through prolonged or repeated exposure.**Precautionary statements** Obtain special instructions before use.
Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
Do not spray on an open flame or other ignition source.
Pressurized container: Do not pierce or burn, even after use.
Do not breathe dust/fume/gas/mist/vapors/spray.
Wash hands thoroughly after handling.
Use only outdoors or in a well-ventilated area.
Wear protective gloves/protective clothing/eye protection/face protection.
IF INHALED: Remove person to fresh air and keep comfortable for breathing.
If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Call a poison center/doctor if you feel unwell.
If eye irritation persists: Get medical advice/attention.
Store in a well-ventilated place.
Store locked up.
Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.
Dispose of contents/container in accordance with local/regional/national/international regulations.**SECTION 3: COMPOSITION/INFORMATION OF INGREDIENTS****3.1 HAZARDOUS SUBSTANCES****Chemical Characterizations:** Mixtures**Chemical Description:** This product is a mixture of the substance listed below with nonhazardous additions.**DANGEROUS COMPONENTS:**

108-88-3	Toluene	24.36%
74-98-6	Propane	12.6%
106-97-8	n-butane	7.4%
64742-47-8	Mineral Spirits	3.46%
67-63-0	Isopropyl Alcohol	2.28%

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COLD GALVANIZING SPRAY**SECTION 4: FIRST AID MEASURES****4.1 DESCRIPTION OF FIRST AID MEASURES**

After inhalation: Supply fresh air; consult doctor in case of complaints.

After skin contact: Remove contaminated clothing. Wash exposed area with soap and water.

After Eye contact: Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

After swallowing: Rinse out mouth and then drink plenty of water. Rinse mouth with water. Do not induce vomiting.

Most important symptoms and effects: Dizziness

Indication of any immediate medical attention needed: No further relevant information available.

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

Extinguishing Agents: CO₂, extinguishing powder or water spray. Fight larger fires with water spray.

Special hazards: Can form explosive gas-air mixtures.

Protective equipment for firefighters: A respiratory protective device may be necessary.

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

Personal precautions, protective equipment and emergency procedures: Wear protective equipment. Keep unprotected persons away.
Use respiratory protective device against the effects of fumes/dust/aerosol.

Methods and material for containment and cleaning up: Ensure adequate ventilation. Dispose contaminated material as waste according to section 13.

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

Precautions for safe handling: Use only in well ventilated areas.

Storage requirements: Keep away from sources of heat and direct sunlight. Do not warehouse in subfreezing conditions. Store locked up.



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SECTION 8: EXPOSURE CONTROL/PERSONAL

8.1 CONTROL PARAMETERS

Components with limit values that require monitoring at the workplace:

The following constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit.

At this time, the remaining constituent has no known exposure limits.

COMPONENTS WITH LIMIT VALUES THAT REQUIRE MONITORING AT THE WORKPLACE:

108-88-3 Toluene

PEL (USA)	Long-term value: 200 ppm Ceiling limit value: 300; 500* ppm *10-min peak per 8-hr shift
REL (USA)	Short-term value: 560 mg/m ³ , 150 ppm Long-term value: 375 mg/m ³ , 100 ppm
TLV (USA)	Long-term value: 75 mg/m ³ , 20 ppm BEI

74-98-6 propane

PEL (USA)	Long-term value: 1800 mg/m ³ , 1000 ppm
REL (USA)	Long-term value: 1800 mg/m ³ , 1000 ppm
TLV (USA)	refer to Appendix F in TLVs&BEIs book; D, EX

106-97-8 n-butane

REL (USA)	Long-term value: 1900 mg/m ³ , 800 ppm
TLV (USA)	Short-term value: 2370 mg/m ³ , 1000 ppm (EX)

COMPONENTS WITH LIMIT VALUES THAT REQUIRE MONITORING AT THE WORKPLACE:

67-63-0 Isopropyl Alcohol

PEL (USA)	Long-term value: 980 mg/m ³ , 400 ppm
REL (USA)	Short-term value: 1225 mg/m ³ , 500 ppm Long-term value: 980 mg/m ³ , 400 ppm
TLV (USA)	Short-term value: 984 mg/m ³ , 400 ppm Long-term value: 492 mg/m ³ , 200 ppm BEI

872-50-4 N-methyl-2-pyrrolidone

WEEL (USA)	Long-term value: 10 ppm Skin
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INGREDIENTS WITH BIOLOGICAL LIMIT VALUES:

67-63-0 Isopropyl Alcohol

BEI (USA)	40 mg/L Medium: urine Time: end of shift at end of workweek Parameter: Acetone (background, nonspecific)
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872-50-4 N-methyl-2-pyrrolidone

BEI (USA)	100 mg/L Medium: urine Time: end of shift Parameter: 5-Hydroxy-N-methyl-2-pyrrolidone
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COLD GALVANIZING SPRAY**8.2 PERSONAL PROTECTION**

- Hygienic protection:** Keep away from foodstuffs and animal feed. Wash hands after use.
Immediately remove all soiled and contaminated clothing.
Wash hands after use.
Store protective clothing separately.
Avoid contact with the eyes and skin.
Do not eat or drink while working.
- Breathing equipment:** A respirator is generally not necessary when using this product outdoors or in large open areas. In cases where short and/or long term overexposure exists, a charcoal filter respirator should be worn. If you suspect overexposure conditions exist, please consult an authority on chemical hygiene.
- Hand protection:** Nitrile gloves.
The glove material must be impermeable and resistant to the substance.
- Eye protection:** Tightly sealed goggles

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**9.1 INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES**

Appearance:	Aerosol	Lower Explosion Limit:	1.7 Vol %
Odor:	Aromatic	Upper Explosion Limit:	10.9 Vol %
Odor threshold:	Not determined	Vapor pressure:	Not determined
pH-value:	Not determined	Relative Density:	Between 0.77 and 0.85 (Water equals 1.00)
Melting point/Melting range:	Undetermined	Vapor density:	Not determined
Boiling point:	-44°C (-47.2 °F)	Evaporation rate:	Not applicable
Flash point:	-19°C (-2.2 °F)	Partition coefficient, n-octonal/water:	Not determined
Flammability (solid, gas):	Extremely flammable	Solubility:	Not determined
Decomposition temperature:	Not determined	Viscosity:	Not determined
Auto igniting:	Product is not self-igniting		
Danger of explosion:	In use, may form flammable/explosive vapour-air mixture.		

SECTION 10: STABILITY AND REACTIVITY**10.1 STABILITY AND REACTIVITY**

- Reactivity:** Stable at normal temperatures
- Conditions to avoid:** Do not allow can to exceed 120 degrees Fahrenheit. Do not warehouse in subfreezing temperatures
- Chemical stability:** Not fully evaluated
- Possibility of hazardous reactions:** No dangerous reactions known
- Incompatible materials:** No further relevant information available
- Hazardous decomposition:** No dangerous decomposition products known

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COLD GALVANIZING SPRAY**SECTION 11: TOXICOLOGICAL INFORMATION****11.1 TOXICOLOGICAL INFORMATION****LD/LC50 VALUES THAT ARE RELEVANT FOR CLASSIFICATION:****106-97-8 n-butane**

Inhalative	LC50/4 h	658 mg/l (rat)
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67-63-0 Isopropyl Alcohol

Oral	LD50	4,570 mg/kg (rat)
Dermal	LD50	13,400 mg/kg (rab)
Inhalative	LC50/4 h	30 mg/l (rat)

872-50-4 N-methyl-2-pyrrolidone

Oral	LD50	3,600 mg/kg (rat)
Dermal	LD50	8,000 mg/kg (rbt)

Information on toxicological effects:	No data available
Skin effects:	Irritant to skin and mucous membranes.
Eye effects:	Irritating effect.
Sensitization:	No sensitizing effects known

SECTION 12: ECOLOGICAL INFORMATION**12.1 ECOLOGICAL INFORMATION**

Aquatic toxicity:	Hazardous for water, do not empty into drains
Persistence and degradability:	The product is degradable after prolonged exposure to natural weathering processes
Bioaccumulative potential:	No further relevant information available
Mobility in soil:	No further relevant information available
Other adverse effects:	No further relevant information available

SECTION 13: DISPOSAL INFORMATION**13.1 DISPOSAL INFORMATION**

Dispose of in accordance with local, state, and federal regulations. Do not puncture, incinerate, or compact. Partially empty cans must be disposed of responsibly. Do not heat or cut empty containers with electric or gas torches.

Recommendation: Completely empty cans should be recycled

**AF3001**
COLD GALVANIZING SPRAY**SECTION 14: TRANSPORT INFORMATION****14.1 TRANSPORT INFORMATION**

UN-Number	UN1950
DOT	N/A UN1950
DOT	Consumer Commodity ORM-D AEROSOLS, flammable
ADR	1950 Aerosols, ENVIRONMENTALLY HAZARDOUS

Transport hazard class(es):	
Class	2.1
Marine pollutant	Yes Symbol (fish and tree)
Special marking (ADR):	Symbol (fish and tree)
Special precautions for user:	Warning: Gases
EMS Number:	F-D,S-U
Quantity limitations:	On passenger aircraft/rail: 75 kg On cargo aircraft only: 150 kg
ADR Excepted quantities (EQ)	Code: E0 Not permitted as Excepted Quantity
IMDG	
Limited quantities (LQ)	1L
Excepted quantities (EQ)	Code: E0 Not permitted as Excepted Quantity
Packaging Group:	-
UN "Model Regulation":	UN1950, Aerosols, ENVIRONMENTALLY HAZARDOUS, 2.1



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SECTION 15: REGULATORY INFORMATION

15.1 REGULATORY INFORMATION

SARA SECTION 355 (EXTREMELY HAZARDOUS SUBSTANCES):

None of the ingredients in this product are listed.

SARA SECTION 313 (SPECIFIC TOXIC CHEMICAL LISTINGS):

7440-66-6	Zinc powder
108-88-3	Toluene
67-63-0	Isopropyl Alcohol
1314-13-2	Zinc oxide

Toxic Substances Control Act (TSCA):

All hazardous ingredients for this product are found on the inventory list of substances.

Consumer Product Safety

Commission (CPSC):

This product complies with 16 CFR 1303 and does not contain more than 90 ppm of lead.

CALIFORNIA PROPOSITION 65 CHEMICALS KNOWN TO CAUSE CANCER:

None of the ingredients in this product are listed.

California Proposition 65 chemicals known to cause birth defects or reproductive harm:

872-50-4 N-methyl- pyrrolidone

108-88-3	Toluene
872-50-4	N-methyl-2-pyrrolidone

CANADIAN ENVIRONMENTAL PROTECTION ACT:

All hazardous ingredients for this product appear on the Canadian Domestic Substance List.

WHMIS Symbols for Canada:

A - Compressed gas

D2A - Very toxic material causing other toxic effects



EPA:

7440-66-6	Zinc powder	D, I, II
1314-13-2	Zinc oxide	D, I, II