

Clear Zinc

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

SECTION 1 - IDENTIFICATION

1.1 Product Identifier

Product Name : *Clear Zinc*
 Supplier Product Numbers : *10280Z*

1.2 Other Means of Identification

Other Identifiers : *Not Available*

1.3 Relevant Identified Uses of the Substance or Mixture and Uses Advised Against

Recommended Use : *Duplicates the original appearance of clear zinc plating*
 Restrictions on Use : *None Identified*

1.4 Supplier Details

Supplier Details		
Company Name	:	<i>The Easthill Group, Inc./The Eastwood Company</i>
Address	:	<i>263 Shoemaker Road, Pottstown, PA 19464 - United States</i>
Phone Number	:	<i>800-343-9353</i>
Website	:	<i>www.eastwood.com</i>
	:	
	:	

1.5 24 hr Emergency Phone Number

Emergency Number : *800-424-9300 ChemTrec*

SECTION 2 - HAZARDS IDENTIFICATION

2.1 Classification of the Substance or Mixture

<i>Flam. Aerosol 1</i>	<i>H222</i>	<i>Physical Hazards</i>	<i>Flammable aerosol Category 1</i>
<i>Press. Gas (Diss.)</i>	<i>H280</i>	<i>Physical Hazards</i>	<i>Gases under pressure Dissolved gas</i>
<i>Eye Irrit. 2</i>	<i>H319</i>	<i>Health Hazards</i>	<i>Serious eye damage/eye irritation Category 2</i>
<i>Carc. 2</i>	<i>H351</i>	<i>Health Hazards</i>	<i>Carcinogenicity Category 2</i>
<i>Stot Se 3</i>	<i>H336</i>	<i>Health Hazards</i>	<i>Specific target organ toxicity (single exposure) Category 3</i>

2.2 Label Elements

Hazard Pictograms



GHS02



GHS04



GHS07



GHS08

Signal Word

Danger

Hazard Statements

H222 : *Extremely flammable aerosol*
H280 : *Contains gas under pressure; may explode if heated*
H319 : *Causes serious eye irritation*
H336 : *May cause drowsiness or dizziness*
H351 : *Suspected of causing cancer*

Precautionary Statements

P202 : *Do not handle until all safety precautions have been read and understood.*
P210 : *Keep away from heat/sparks/open flames/hot surfaces. - No smoking.*
P211 : *Do not spray on an open flame or other ignition source.*
P251 : *Pressurized container: Do not pierce or burn, even after use.*

SAFETY DATA SHEET

Part No. 10280Z (Aerosol)

Print Date: 5/7/2018
Revision Date: 5/7/2018
Supersedes Date: 3/1/2016
Issue Date: 3/1/2016
Version: 2.0 (EN)-US
Page: 2/11

Clear Zinc

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

- P261 : Avoid breathing spray.
P264 : Wash hands thoroughly after handling.
P271 : Use only outdoors or in a well-ventilated area.
P280 : Wear protective gloves and eye protection.
P304+P340 : If inhaled: Remove person to fresh air and keep comfortable for breathing
P305+P351+P338 : If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
P308+P313 : If exposed or concerned: Get medical advice/attention.
P312 : Call physician if you feel unwell
P337+P313 : If eye irritation persists: Get medical advice/attention.
P403 : Store in a well-ventilated place.
P410+P412 : Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.
P501 : Dispose of contents/container to local regulations

2.3 Other Hazards Which Do Not Result In Classification

Hazards Not Otherwise Classified : None Identified.

2.4 Unknown acute toxicity

29.74% of the mixture consists of ingredient(s) of unknown acute toxicity (Oral)
31.37% of the mixture consists of ingredient(s) of unknown acute toxicity (Dermal)
52.56% of the mixture consists of ingredient(s) of unknown acute toxicity (Inhalation (Vapours))

SECTION 3 - COMPOSITION / INFORMATION ON INGREDIENTS

3.1 Substance / Mixture

Substance / Mixture : Mixture

3.2 Composition

Substance name	CAS Number	% wt*	Classification
Ethyl Acetate	141-78-6	30 - 60	Flam. Liq. 2, H225 Eye Irrit. 2A, H319 STOT SE 3, H336
Propane	74-98-6	10 - 30	Flam. Gas 1, H220 Press. Gas (Diss.), H280
Acetone	67-64-1	10 - 30	Flam. Liq. 2, H225 Eye Irrit. 2A, H319 STOT SE 3, H336
N-Butyl Acetate	123-86-4	5 - 10	Flam. Liq. 2, H225 STOT SE 3, H336 Aquatic Acute 3, H402
Aluminum	7429-90-5	1 - 5	Not classified
Titanium Dioxide	13463-67-7	0.1 - 1	Carc. 2, H351
Carbon Black	1333-86-4	0.1 - 1	Carc. 2, H351

Full text of hazard classes and H-statements : see section 16

*Chemical name, CAS number and/or exact concentration have been withheld as a trade secret

SECTION 4 - FIRST-AID MEASURES

4.1 Description of First-Aid Measures

- General Measures** : If exposed or concerned: Get medical advice/attention.
Inhalation : Remove person to fresh air and keep comfortable for breathing.
Skin Contact : Wash skin with plenty of water.
Eye Contact : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
Ingestion : Call a poison center or a doctor if you feel unwell.
First-Aid Responder Protection : Wear adequate personal protective equipment based on the nature and severity of the emergency.

SAFETY DATA SHEET

Part No. 10280Z (Aerosol)

Print Date: 5/7/2018
Revision Date: 5/7/2018
Supersedes Date: 3/1/2016
Issue Date: 3/1/2016
Version: 2.0 (EN)-US
Page: 3/11

Clear Zinc

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

4.2 Most Important Symptoms and Effects, Both Acute and Delayed

Symptoms of Exposure	: Eye Irritation, Nose Irritation, Throat Irritation, Dermatitis, Central Nervous System Depression, Confusion, Skin Irritation, Headache, Dizziness, Nausea, Narcosis, Upper Respiratory Tract Irritation, Drowsiness, Vomiting, Cough.
Delayed Effects	: No known delayed effects.
Immediate Effects	: No known immediate effects.
Chronic Effects	: Because of defatting properties, repeated skin contact can cause skin damage such as chap, dermatitis, inflammation and the formation of eczema.
Target Organs	: Central Nervous System, Eyes, Respiratory System, Skin.

4.3 Indication of Immediate Medical Attention and Special Treatment

Notes to Physician	: Treat symptomatically.
Specific Treatments/Antidotes	: No Information Available.
Medical Conditions Aggravated	: May aggravate personnel with pre-existing disorders associated with any of the Target Organs.

SECTION 5 - FIRE-FIGHTING MEASURES

5.1 Suitable Extinguishing Media

Extinguishing Media	: Water, carbon dioxide, dry chemical, universal aqueous film forming foam.
Unsuitable Media	: Water jet.

5.2 Specific Hazards Arising from the Chemical or Mixture

Hazardous Combustion Products	: Decomposition products may include: oxides of carbon, smoke, vapors. See also Section 10.6.
Specific Hazards During Firefighting	: Extremely flammable. Contents under pressure. In a fire or if heated, a pressure increase will occur which may result in container bursting. Vapors heavier than air may spread along the ground and travel to an ignition source.

5.3 Special Protective Actions for Fire-Fighters

Firefighting Instructions	: Use water spray to cool fire exposed aerosol containers, as contents can rupture violently from heat developed pressure.
Protection during Firefighting	: Firemen should wear self-contained breathing apparatus with full face-piece operated in positive pressure mode.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

6.1 Personal Precautions, Protective Equipment and Emergency Procedures

For Non-Emergency Personnel	: No action should be taken involving any personnel without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spill. Remove ignition sources and provide adequate ventilation only if it is safe to do so.
For Emergency Personnel	: Use personal protection as recommended in Section 8. Observe precautions provided for non-emergency personnel above.

6.2 Environmental Precautions

Environmental Precautions	: Keep out of drains, sewers, ditches, and waterways. Minimize use of water to prevent environmental contamination.
---------------------------	---

6.3 Methods and Materials for Containment and Cleaning up

Containment Procedures	: Product is an aerosol, therefore spills and leaks are unlikely. In case of rupture, released content may be contained with oil/solvent absorbent pads, socks, and/or absorbents.
Cleanup Procedures	: Spills from aerosol cans are unlikely and are generally of small volume. Large spills are therefore not normally considered a problem. In case of actual rupture, avoid breathing vapors and ventilate area well. Remove sources of ignition and use non-sparking equipment. Soak up material with inert absorbent and place in safety containers for proper disposal.
Other Information	: Aerosol products represent a limited hazard and will not spill or leak unless ruptured. In case of rupture contents are generally evacuated from the can rapidly. Area should be ventilated immediately and continuous ventilation provided until all fumes and vapors have been removed. Aerosol cans should never be incinerated or burned.

SAFETY DATA SHEET

Part No. 10280Z (Aerosol)

Print Date: 5/7/2018
Revision Date: 5/7/2018
Supersedes Date: 3/1/2016
Issue Date: 3/1/2016
Version: 2.0 (EN)-US
Page: 4/11

Clear Zinc

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Prohibited Materials : Combustible absorbent material such as sawdust. Use of equipment that may cause sparking.

SECTION 7 - HANDLING AND STORAGE

7.1 Precautions for Safe Handling

- General Handling Precautions** : KEEP OUT OF THE REACH OF CHILDREN. Avoid prolonged or repeated skin contact. Avoid breathing of vapors. Do not incinerate (burn) containers. Always replace overcap when not in use. Avoid use around open flames or other sources of ignition. Exposure to heat or prolonged exposure to sun may cause can to burst. Use only with adequate ventilation, opening doors or windows to achieve cross-ventilation.
- Hygiene Recommendations** : Do not eat, drink or smoke when using this product. Wash hands thoroughly after use. Remove contaminated clothing and protective equipment before entering eating or smoking areas.

7.2 Conditions for Safe Storage Including Any Incompatibilities

- Storage Requirements** : Storage of individual cans should be done in an area below 55°C (120 °F), and away from heat sources. Ensure can is in a secure place to prevent knocking over and accidental rupture. For storage of pallet quantities, compliance with NFPA 30B (Manufacture and Storage of Aerosol Products) is recommended.
- Incompatibilities** : Segregate storage away from materials indicated in Section 10.
- NFPA 30B Classification** : This product is classified as a Level 3 Aerosol per NFPA 30B

SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control Parameters

Propane (74-98-6)		
OSHA	OSHA PEL (TWA) (mg/m ³)	1800 mg/m ³
OSHA	OSHA PEL (TWA) (ppm)	1000 ppm
NIOSH	US IDLH (ppm)	2100 ppm
NIOSH	NIOSH REL (TWA) (mg/m ³)	1800 mg/m ³
NIOSH	NIOSH REL (TWA) (ppm)	1000 ppm
California	California PEL (TWA) (mg/m ³)	1800 mg/m ³
California	California PEL (TWA) (ppm)	1000 ppm
Ethyl Acetate (141-78-6)		
ACGIH	ACGIH TWA (mg/m ³)	400 ppm
OSHA	OSHA PEL (TWA) (mg/m ³)	1400 mg/m ³
OSHA	OSHA PEL (TWA) (ppm)	400 ppm
NIOSH	US IDLH (ppm)	2000 ppm
NIOSH	NIOSH REL (TWA) (ppm)	400 ppm
California	California PEL (TWA) (mg/m ³)	1400 mg/m ³
California	California PEL (TWA) (ppm)	400 ppm
Acetone (67-64-1)		
ACGIH	ACGIH TWA (mg/m ³)	250 ppm
ACGIH	ACGIH Ceiling (mg/m ³)	500 ppm
OSHA	OSHA PEL (TWA) (mg/m ³)	2400 mg/m ³
OSHA	OSHA PEL (TWA) (ppm)	1000 ppm
NIOSH	US IDLH (ppm)	2500 ppm
NIOSH	NIOSH REL (TWA) (ppm)	250 ppm
California	California PEL (TWA) (mg/m ³)	1200 mg/m ³
California	California PEL (TWA) (ppm)	500 ppm
California	California PEL (STEL) (mg/m ³)	1780 mg/m ³
California	California PEL (STEL) (ppm)	750 ppm
California	California PEL (Ceiling) (ppm)	3000 ppm
Biological Exposure Index	Acetone in urine, End of shift (Ns)	25 mg/l

SAFETY DATA SHEET

Part No. 10280Z (Aerosol)

Print Date: 5/7/2018
Revision Date: 5/7/2018
Supersedes Date: 3/1/2016
Issue Date: 3/1/2016
Version: 2.0 (EN)-US
Page: 5/11

Clear Zinc

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Aluminum (7429-90-5)

ACGIH	ACGIH TWA (ppm)	1 mg/m ³ (Aluminium, Metal; USA; Time-weighted average exposure limit 8 h; TLV - Adopted Value; Respirable fraction)
OSHA	OSHA PEL (TWA) (mg/m ³)	15 mg/m ³ Total Dust
NIOSH	NIOSH REL (TWA) (mg/m ³)	10 mg/m ³
California	California PEL (TWA) (mg/m ³)	10 mg/m ³

N-Butyl Acetate (123-86-4)

ACGIH	ACGIH TWA (mg/m ³)	150 ppm
ACGIH	ACGIH Ceiling (mg/m ³)	200 ppm
OSHA	OSHA PEL (TWA) (mg/m ³)	710 mg/m ³
OSHA	OSHA PEL (TWA) (ppm)	150 ppm
NIOSH	US IDLH (ppm)	1700 ppm
NIOSH	NIOSH REL (TWA) (ppm)	150 ppm
NIOSH	NIOSH REL (STEL) (ppm)	200 ppm
California	California PEL (TWA) (mg/m ³)	710 mg/m ³
California	California PEL (TWA) (ppm)	150 ppm
California	California PEL (STEL) (mg/m ³)	950 mg/m ³
California	California PEL (STEL) (ppm)	200 ppm

Titanium Dioxide (13463-67-7)

ACGIH	ACGIH TWA (ppm)	1 mg/m ³
OSHA	OSHA PEL (TWA) (mg/m ³)	15 mg/m ³
NIOSH	US IDLH (mg/m ³)	5000 mg/m ³
NIOSH	US IDLH (ppm)	0 ppm

Carbon Black (1333-86-4)

ACGIH	ACGIH TWA (ppm)	3 mg/m ³
OSHA	OSHA PEL (TWA) (mg/m ³)	3.5 mg/m ³
NIOSH	US IDLH (mg/m ³)	1750 mg/m ³
NIOSH	NIOSH REL (TWA) (mg/m ³)	3.5 mg/m ³
California	California PEL (TWA) (mg/m ³)	3.5 mg/m ³

8.2 Exposure Controls

Engineering Measures	: Use only with adequate ventilation. General ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. Local exhaust ventilation or an enclosed handling system may be necessary to control air contamination below that of the lowest OEL from the table above.
Personal Protective Equipment	
Eye / Face Protection	: Safety glasses with side shields are recommended as a minimum for any type of industrial chemical handling. Where eye contact with this material could occur, chemical splash proof goggles are recommended.
Hand Protection	: Chemical-resistant gloves, tested according to ASTM F903 - 17.
Remarks	: Choose gloves to protect hands against chemicals depending on the concentration and quantity of the hazardous substance and specific to the place of work.
Skin and Body Protection	: For brief contact, no precautions other than clean body-covering clothing should be needed. When prolonged or repeated contact could occur, use protective clothing impervious to the ingredients listed in Section 2.
Respiratory Protection	: An approved respirator with an organic vapor cartridge may be permissible under certain circumstances where airborne concentrations are expected to exceed occupational exposure limits.
Compliance	: If needed, compliance with OSHA standard 29 CFR 1910.134 is necessary.
Other Protective Equipment	: Safety showers and eye-wash stations should be available in the workplace near where the material will be used.
Environmental Exposure Controls	: Avoid release to the environment.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

9.1 Physical Properties

Boiling Point	> 55.60 °C	Melting / Freezing Point	> -108.40 °C
---------------	------------	--------------------------	--------------

SAFETY DATA SHEET

Part No. 10280Z (Aerosol)

Print Date: 5/7/2018
Revision Date: 5/7/2018
Supersedes Date: 3/1/2016
Issue Date: 3/1/2016
Version: 2.0 (EN)-US
Page: 6/11

Clear Zinc

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Flash Point, Liquid	> -17.20 °C	Flash Point, Propellant	-104.40 °C
Explosive Limits	LEL: 0.60 UEL: 13.10 vol %	Autoignition Temperature, Liquid	229.00 °C
Flammability	Extremely Flammable Aerosol	Density	0.769 g/cm ³
Molecular Weight	Not Available	Weight	6.417 lbs/gal
Vapor Pressure	Not Available	pH	Not Available
Vapor Density	Not Available	Evaporation Rate (nBAC=1)	Not Available
Viscosity	Not Available	Partition Coefficient (Log Pow)	Not Available
Odor Threshold	Not Available	Refractive Index	Not Available
Physical State	Pressurized Product	Heat Of Combustion	12459.32 BTU/lb
Appearance / Color	Clear to gray tint	Water Solubility	Not Available
Odor	Paint-like	Decomposition Temperature	Not Available

9.2 Environmental Properties

Percent Volatile	92.00 % wt	VOC Regulatory	704.93 g/L (5.88 lbs/gal)
Percent VOC	82.00 % wt	VOC Actual	630.56 g/L (5.26 lbs/gal)
Percent HAP	0.00 % wt	HAP Content	0.00 g/L (0.00 lbs/gal)
Global Warming Potential	0.84 GWP	Maximum Incremental Reactivity	0.8426 g O3/g
Ozone Depletion Potential	0.00 ODP		

SECTION 10 - STABILITY AND REACTIVITY

10.1 Reactivity

Reactivity : No specific test data related to reactivity is available for this products or its ingredients.

10.2 Chemical Stability

Chemical Stability : This product is stable.

10.3 Possibility of Hazardous Reactions

Hazardous Reactions : Under normal conditions of storage and use, hazardous reactions are not expected to occur.

10.4 Conditions to Avoid

Conditions to Avoid : Electrostatic Discharge, Other Ignition Sources, Heat, Flames, Sparks.

10.5 Incompatible Materials

Materials to Avoid : Strong Oxidizing Agents, Strong Reducing Agents, Strong Acids, Potassium t-Butoxide, Halogen Compounds, Hydrogen Peroxide.

10.6 Hazardous Decomposition Products

Thermal Decomposition : Oxides of carbon, Formaldehyde, Methanol, Acetic Acid.

SECTION 11 - TOXICOLOGICAL INFORMATION

11.1 Information on Toxicological Effects

Propane (CAS: 74-98-6 / EC: 200-827-9)

LC50 Inhalation (Rat) 658 mg/l/4h (Lit.)

Ethyl Acetate (CAS: 141-78-6 / EC: 205-500-4)

LD50 Oral (Rat) 5620 mg/kg (RTECS)
LD50 Dermal (Rabbit) > 18000 mg/kg (Sigma-Aldrich)
LC50 Inhalation (Rat) 10600 ppm/4h (ChemInfo)

Acetone (CAS: 67-64-1 / EC: 200-662-2)

LD50 Oral (Rat) 5800 mg/kg (Sigma-Aldrich)
LD50 Dermal (Rabbit) 20000 mg/kg (IUCILID)
LC50 Inhalation (Rat) 76 mg/l/4h (GESTIS Substance Database)

SAFETY DATA SHEET

Part No. 10280Z (Aerosol)

Print Date: 5/7/2018
Revision Date: 5/7/2018
Supersedes Date: 3/1/2016
Issue Date: 3/1/2016
Version: 2.0 (EN)-US
Page: 7/11

Clear Zinc

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Aluminum (CAS: 7429-90-5 / EC: 231-072-3)

LD50 Oral (Rat)	> 2000 mg/kg (Sigma-Aldrich)
LC50 Inhalation (Rat)	> 888 mg/l/4h (ChemInfo)

N-Butyl Acetate (CAS: 123-86-4 / EC: 204-658-1)

LD50 Oral (Rat)	13100 mg/kg (IUCLID)
LD50 Dermal (Rabbit)	> 14100 mg/kg (IUCLID)
LC50 Inhalation (Rat)	> 21 mg/l/4h (IUCLID)
LC50 Inhalation (Rat)	390 ppm/4h (RTECS)

Titanium Dioxide (CAS: 13463-67-7 / EC: 236-675-5)

LD50 Oral (Rat)	> 25000 mg/kg (ChemInfo)
LD50 Dermal (Rabbit)	> 10000 mg/kg (ChemInfo)
LC50 Inhalation (Rat)	> 6.8 mg/l/4h (Sigma-Aldrich)

Carbon Black (CAS: 1333-86-4 / EC: 215-609-9)

LD50 Oral (Rat)	> 15400 mg/kg (RTECS)
LD50 Dermal (Rabbit)	> 3000 mg/kg (RTECS)
LC50 Inhalation (Rat)	27 mg/l/4h (ChemInfo)

Routes Of Exposure	: Eye Contact, Ingestion, Skin Contact, Inhalation.
Delayed and Immediate Effects and Also Chronic Effects from Short and Long Term Exposure	: See Section 4.2
Skin Corrosion/Irritation	: Not classified
Eye Damage/Irritation	: Causes serious eye irritation.
Respiratory or Skin Sensitization	: Not classified
Germ Cell Mutagenicity	: Not classified
Reproductive Toxicity	: Not classified
STOT-Single Exposure	: May cause drowsiness or dizziness.
STOT-Repeated Exposure	: Not classified
Aspiration Hazard	: Not classified
Vaporizer	: Aerosol
Carcinogen Data	: The following ingredients are listed as known or suspected carcinogens:

Titanium Dioxide (CAS: 13463-67-7 / EC: 236-675-5)

IARC group	2B - Possibly Carcinogenic to Humans
------------	--------------------------------------

Carbon Black (CAS: 1333-86-4 / EC: 215-609-9)

IARC group	2B - Possibly Carcinogenic to Humans
ACGIH Category	A3 - Confirmed animal carcinogen with unknown relevance to humans

SECTION 12 - ECOLOGICAL INFORMATION

12.1 Ecotoxicity and Ecological Properties

Propane (74-98-6)

Persistence and Degradability	Readily biodegradable in water. Not applicable (gas). Photodegradation in the air.
BCF Fish	9 - 25 (BCF)
Log Pow	2.28 (Calculated)
Bioaccumulative Potential	Low potential for bioaccumulation (Log Kow < 4).

Ethyl Acetate (141-78-6)

LC50 Fish	450 - 600 mg/l Rainbow Trout - 96hr
LC50 Fish	220 - 250 mg/l Fathead Minnow - 96h
LC50 Other Aquatic Organisms	560 mg/l Water Flea - 48hr
EC50 Daphnia	2300 - 3090 mg/l Water Flea - 24hr
EC50 Other Aquatic Organisms	4300 mg/l Green Algae - 24hr
Persistence and Degradability	Readily biodegradable in water. Biodegradable in the soil. Low potential for adsorption in soil.
Biochemical Oxygen Demand	0.293 g O ₂ /g substance
Chemical Oxygen Demand	1.69 g O ₂ /g substance
Theoretical Oxygen Demand	1.82 g O ₂ /g substance

SAFETY DATA SHEET

Part No. 10280Z (Aerosol)

Print Date: 5/7/2018
Revision Date: 5/7/2018
Supersedes Date: 3/1/2016
Issue Date: 3/1/2016
Version: 2.0 (EN)-US
Page: 8/11

Clear Zinc

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Ethyl Acetate (141-78-6)

Biodegradation	100 % 28 Days
BCF Fish	30
Log Pow	0.73
Bioaccumulative Potential	Low potential for bioaccumulation (BCF < 500).
Log Koc	0.778

Acetone (67-64-1)

LC50 Fish	5540 mg/l Rainbow Trout - 96hr
LC50 Fish	8300 mg/l Bluegill Sunfish - 96h
EC50 Daphnia	8800 mg/l Water Flea - 48hr
Persistence and Degradability	Biodegradability 90% / 28 days.
Biochemical Oxygen Demand	1.43 g O ₂ /g substance
Chemical Oxygen Demand	1.92 g O ₂ /g substance
Theoretical Oxygen Demand	2.2 g O ₂ /g substance
BCF Fish	0.69
BCF Other Aquatic Organisms	3
Log Pow	-0.24

Aluminum (7429-90-5)

Biochemical Oxygen Demand	Not applicable
Chemical Oxygen Demand	Not applicable
Theoretical Oxygen Demand	Not applicable
Bioaccumulative Potential	No bioaccumulation data available.

n-Butyl Acetate (123-86-4)

LC50 Fish	62 mg/l Golden Orfe - 96hr
LC50 Fish	18 mg/l Fathead Minnow - 96h
EC50 Daphnia	72.8 mg/l Water Flea - 24hr
EC50 Other Aquatic Organisms	675 mg/l Green Algae - 72hr
EC50 Other Aquatic Organisms	959 mg/l Bacteria - 18hr
Persistence and Degradability	Biodegradability 88% / 28 days.
Biochemical Oxygen Demand	520 mg/g
Chemical Oxygen Demand	2320 mg/g
Theoretical Oxygen Demand	2207 mg/g
Log Pow	1.804
Log Koc	2.35

Titanium Dioxide (13463-67-7)

LC50 Fish	> 1000 mg/l Golden Orfe - 96hr
EC50 Daphnia	> 100 mg/l Water Flea - 48hr
Persistence and Degradability	Biodegradability: not applicable. Low potential for mobility in soil.
Biochemical Oxygen Demand	Not applicable
Chemical Oxygen Demand	Not applicable
Theoretical Oxygen Demand	Not applicable
Bioaccumulative Potential	Not bioaccumulative.

Carbon Black (1333-86-4)

LC50 Fish	> 1000 mg/l Zebra Fish - 96hr
EC50 Daphnia	> 5600 mg/l Water Flea - 24hr
EC50 Other Aquatic Organisms	> 10000 mg/l Green Algae - 72hr
Theoretical Oxygen Demand	Not applicable
Log Pow	1.09
Bioaccumulative Potential	Not bioaccumulative.

SECTION 13 - DISPOSAL CONSIDERATIONS

13.1 Waste Treatment Methods

Waste Disposal

: Characteristics and waste stream classification can change with product use and location. It is the responsibility of the user to determine the proper storage, transportation, treatment, and/or disposal methodologies for spent materials and residues at the time of disposition. All waste must be disposed of in compliance with the respective national, federal, state, and/or local regulations.

SAFETY DATA SHEET

Part No. 10280Z (Aerosol)

Print Date: 5/7/2018
Revision Date: 5/7/2018
Supersedes Date: 3/1/2016
Issue Date: 3/1/2016
Version: 2.0 (EN)-US
Page: 9/11

Clear Zinc


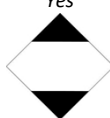

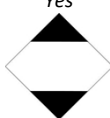
according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Waste Disposal Of Packaging : In the United States, an aerosol container that does not contain a significant amount of liquid would meet the definition of scrap metal (40 CFR 261.1(c)(6)), and would be exempt from RCRA regulation under 40 CFR 261.6(a)(3)(iv) if it is to be recycled. If containers are to be disposed of (not recycled) it must be managed under all applicable RCRA and state regulations.

Landfill Precautions : Not Available.

Incineration Precautions : ** DO NOT INCINERATE ** CONTENTS UNDER PRESSURE **.

SECTION 14 - TRANSPORTATION INFORMATION

14.1	UN Number	DOT (USA)	IATA (AIR)	IMDG (OCEAN)
UN Number	:	UN1950	UN1950	UN1950
14.2	UN Proper Shipping Name	DOT (USA)	IATA (AIR)	IMDG (OCEAN)
UN Proper Shipping Name	:	Aerosols, Limited Quantity	Aerosols, Flammable, Limited Quantity	Aerosols, Limited Quantity
14.3	Transport Hazard Class(es)	DOT (USA)	IATA (AIR)	IMDG (OCEAN)
Transport Hazard Class(es)	:	2.1	2.1	2.1
Labels	:	None	2.1 - Flammable gas 	None
Limited Quantity	:	Yes 	Yes 	Yes 
EmS Code	:	Not Applicable	Not Applicable	F-D, S-U
14.4	Packing Group	DOT (USA)	IATA (AIR)	IMDG (OCEAN)
Packing Group	:	None	None	None
14.5	Environmental Hazards	DOT (USA)	IATA (AIR)	IMDG (OCEAN)
Marine Pollutant	:	No	No	No
14.6	Special Precautions	Precautions : None Identified		
14.7	Transport in Bulk	Remarks : Not applicable for product as supplied		

SECTION 15 - REGULATORY INFORMATION

15.1 Federal Regulations		
SARA Section 313	: Chemical(s) subject to the reporting requirements of Section 313 or Title III of the Superfund Amendments and Reauthorization Act (SARA) of 1986 and 40 CFR Part 372.	
	Aluminum	1 - 5%
TSCA Section 12(b)	: This product or mixture is not known to contain a chemical or chemicals subject to the export notification requirements of section 12(b) of the Toxic Substances Control Act (TSCA) and 40 CFR Part 707, subpart D	
CERCLA Reportable Quantity	: Chemical(s) subject to reporting requirements of Section 102 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) if released to the environment at or above the reportable quantity	
	Ethyl Acetate	5000 lb
	Acetone	5000 lb

SAFETY DATA SHEET

Part No. 10280Z (Aerosol)

Print Date: 5/7/2018
Revision Date: 5/7/2018
Supersedes Date: 3/1/2016
Issue Date: 3/1/2016
Version: 2.0 (EN)-US
Page: 10/11

Clear Zinc

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

- SARA Section 311/312 Hazard Classes** : Fire hazard, Sudden release of pressure hazard, Delayed (chronic) health hazard, Immediate (acute) health hazard.
- TSCA Inventory (United States)** : All chemical substances in this product are either listed on the Toxic Substances Control Act (TSCA) Inventory or are in compliance with a TSCA Inventory exemption.

15.2 State Regulations

- California Proposition 65** : This product contains chemicals known to the State of California to cause cancer.

Carbon Black (1333-86-4)	Cancer	Yes	0.1375 %
--------------------------	--------	-----	----------

- State Right-to-Know Lists** : The following chemical(s) appear on one or more state RTK (Right to Know) lists as indicated

Propane (74-98-6)	U.S. - New Jersey - Right to Know Hazardous Substance List
Ethyl Acetate (141-78-6)	U.S. - New Jersey - Right to Know Hazardous Substance List U.S. - Pennsylvania - RTK (Right to Know) List
Acetone (67-64-1)	U.S. - Massachusetts - Right To Know List U.S. - New Jersey - Right to Know Hazardous Substance List U.S. - Pennsylvania - RTK (Right to Know) List
Aluminum (7429-90-5)	U.S. - New Jersey - Right to Know Hazardous Substance List
Titanium Dioxide (13463-67-7)	U.S. - New Jersey - Right to Know Hazardous Substance List
Carbon Black (1333-86-4)	U.S. - New Jersey - Right to Know Hazardous Substance List

SECTION 16 - OTHER INFORMATION

Indication of changes

Section	Changed item	Change
1	Supersedes	Added
1	SDS US Regulation reference	Added
1	Revision date	Modified
1	Date of issue	Modified
1	Product code	Modified
1	Name	Modified
2.1	GHS-US classification	Modified
2.2	Precautionary statements (GHS-US)	Modified
2.2	Hazard pictograms (GHS-US)	Modified
2.2	Hazard statements (GHS-US)	Modified
4	Symptoms/effects	Added
4	Symptoms/effects after eye contact	Modified
4.1	First-aid measures after eye contact	Modified
5.2	Fire hazard	Added
5.2	Explosion hazard	Added
6	For containment	Added
6	Methods for cleaning up	Modified
6	Emergency procedures	Modified
7.1	Precautions for safe handling	Modified
7.2	Storage conditions	Modified
8	Compliance	Added
8	Remarks	Added
8	Hand Protection	Added
8	Environmental Exposure Controls	Added
8	Respiratory Protection	Added
9	Explosive properties	Added
9	Appearance	Added
9	Melting point	Modified
9	Flash point	Modified
9	Explosive limits (vol %)	Modified
9	Boiling point	Modified
9	Auto-ignition temperature	Modified
9	Specific gravity / density	Modified
10	Reactivity	Modified
10	Conditions to avoid	Modified
12.1	Ecology - general	Modified
14	User Precautions	Added
14	EmS Code (Column 15 in IMDG Book 2)	Added
15	Select the Appropriate Proposition 65 Notice	Modified

Full Text of H-Statements

H Code	H Phrase
H220	Extremely flammable gas
H225	Highly flammable liquid and vapour
H280	Contains gas under pressure; may explode if heated
H319	Causes serious eye irritation
H336	May cause drowsiness or dizziness
H351	Suspected of causing cancer
H402	Harmful to aquatic life

SAFETY DATA SHEET

Part No. 10280Z (Aerosol)

Print Date: 5/7/2018
Revision Date: 5/7/2018
Supersedes Date: 3/1/2016
Issue Date: 3/1/2016
Version: 2.0 (EN)-US
Page: 11/11

Clear Zinc

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

The information contained herein is based upon data provided to us by our suppliers, and reflects our best judgement. However, no warranty of merchantability, fitness for any use, or any other warranty or guarantee is expressed or implied regarding the accuracy of such data, or the results to be obtained from use thereof. Since the information contained herein may be applied under conditions beyond our control and with which we may be unfamiliar, we do not assume any responsibility for the results of such application. This information is furnished upon the condition that the persons receiving it shall make their own determinations of the suitability of the material for any particular use. Although certain hazards are described herein, we cannot guarantee these are the only hazards that exist.