



# SAFETY DATA SHEET

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## SECTION 1) CHEMICAL PRODUCT AND SUPPLIER'S IDENTIFICATION

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**Product ID:** CC2920  
**Product Name:** TOWERPLEX AVIATION ORANGE  
**Revision Date:** Apr 19, 2016 **Date Printed:** Apr 19, 2016  
**Version:** 1.0 **Supersedes Date:** N.A.  
**Manufacturer's Name:** Anchor Paint Manufacturing Co., Inc.  
**Address:** 6707 East 14th Street, Tulsa, OK, US, 74112  
**Emergency Phone:** 800-424-9300  
**Information Phone Number:** 918-836-4626  
**Fax:** 918-836-6421  
**Product/Recommended Uses:** Water-based coating for towers.

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## SECTION 2) HAZARDS IDENTIFICATION

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### Classification:

Specific Target Organ Toxicity - Single Exposure - Category 1  
Carcinogenicity - Category 1B  
Eye Irritation - Category 2

### Pictograms:



### Signal Word:

Danger

### Hazardous Statements - Health:

Causes damage to organs.  
May cause cancer.  
Causes serious eye irritation

### Precautionary Statements - General:

If medical advice is needed, have product container or label at hand.  
Keep out of reach of children.  
Read label before use.

### Precautionary Statements - Prevention:

Do not breathe dust/fume/gas/mist/vapors/spray.  
Wash thoroughly after handling.  
Do not eat, drink or smoke when using this product.  
Obtain special instructions before use.  
Do not handle until all safety precautions have been read and understood.  
Wear protective gloves/protective clothing/eye protection/face protection.

### Precautionary Statements - Response:

IF exposed or concerned: Call a POISON CENTER or doctor.

Specific treatment (see section 4 on this SDS).  
IF exposed or concerned: Get medical advice/attention.

IF IN EYES: 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.

#### Precautionary Statements - Storage:

Store locked up.

#### Precautionary Statements - Disposal:

Dispose of contents to an approved waste disposal plant or paint recycling center. Under RCRA, it is the responsibility of the user of the product to determine at the time of disposal, whether the product meets RCRA criteria for hazardous waste. Waste management should be in full compliance with federal, state and local laws.

#### Hazards Not Otherwise Classified (HNOC):

None.

Acute toxicity of 22.7% of the mixture is unknown

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### SECTION 3) COMPOSITION / INFORMATION ON INGREDIENTS

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CAS	Chemical Name	% By Weight
0007732-18-5	WATER	43% - 53%
0001317-65-3	CALCIUM CARBONATE	12% - 17%
0015793-73-4	Pigment Orange 34	4% - 6%
0001314-13-2	ZINC OXIDE	2% - 4%
0012001-26-2	MICA	1.4% - 3%
0000107-21-1	ETHYLENE GLYCOL	1.0% - 1.9%
0000057-55-6	PROPYLENE GLYCOL	0.6% - 1.1%
0064742-65-0	MINERAL OIL, PETROLEUM DISTILLATES, SOLVENT-DEWAXED HEAVY PARAFFINIC	0.2% - 0.5%
0127087-87-0	NONYL PHENOL ETHOXYLATE	0.2% - 0.4%
0000126-86-3	2,4,7,9-TETRAMETHYL-5-DECYNE-4,7-DIOL	0.1% - 0.2%
0000124-68-5	2-AMINO-2-METHYL-1-PROPANOL	0.1% - 0.2%
0025322-69-4	POLYOXYPROPYLENE GLYCOL	Trace
0009036-19-5	T-DET C08	Trace
0000371-47-1	2-Butenedioic acid (2Z)-, sodium salt (1:2)	Trace
0025322-68-3	T-DET C08	Trace

The specific chemical identity and/or exact percentage (concentration) of composition has been withheld to protect confidentiality.

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### SECTION 4) FIRST-AID MEASURES

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#### Inhalation:

Remove source of exposure or move person to fresh air and keep comfortable for breathing.

If exposed or concerned: Get medical advice.

#### Skin Contact:

Take off immediately all contaminated clothing, shoes and leather goods (e.g. watchbands, belts). Rinse skin with lukewarm, gently flowing water/shower for a duration of 30 or until medical aid is available. Immediately call a POISON CENTER/doctor. Wash contaminated clothing before re-use or discard.

IF exposed or concerned: Get medical advice/attention.

#### Eye Contact:

Remove source of exposure or move person to fresh air. Rinse eyes cautiously with lukewarm, gently flowing water for several minutes, while holding the eyelids open. Remove contact lenses, if present and easy to do. Continue rinsing for a duration of 30 minutes or until medical aid is available. Take care not to rinse contaminated water into the unaffected eye or onto the face. Immediately call a POISON CENTER/doctor.

#### Ingestion:

Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER/doctor. If vomiting occurs naturally, lie on your side, in the recovery position.

#### Most Important Symptoms and Effects, Both Acute and Delayed:

No data available.

**Indication of Any Immediate Medical Attention and Special Treatment Needed:**

No data available.

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**SECTION 5) FIRE-FIGHTING MEASURES**

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**Suitable Extinguishing Media:**

Dry chemical, foam, carbon dioxide water spray or fog is recommended. Water spray is recommended to cool or protect exposed materials or structures. Carbon dioxide can displace oxygen. Use caution when applying carbon dioxide in confined spaces. Simultaneous use of foam and water on the same surface is to be avoided as water destroys the foam. Sand or earth may be used for small fires only.

**Unsuitable Extinguishing Media:**

No data available.

**Specific Hazards in Case of Fire:**

Material can splatter above 100°C/212°F. Polymer film can burn.

**Fire-fighting Procedures:**

Isolate immediate hazard area and keep unauthorized personnel out. Stop spill/release if it can be done safely. Move undamaged containers from immediate hazard area if it can be done safely. Water spray may be useful in minimizing or dispersing vapors and to protect personnel. Water may be ineffective but can be used to cool containers exposed to heat or flame. Caution should be exercised when using water or foam as frothing may occur, especially if sprayed into containers of hot, burning liquid.

Dispose of fire debris and contaminated extinguishing water in accordance with official regulations.

**Special Protective Actions:**

Wear protective pressure self-contained breathing apparatus (SCBA) and full turnout gear.

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**SECTION 6) ACCIDENTAL RELEASE MEASURES**

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**Emergency Procedure:**

ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area).

Do not touch or walk through spilled material.

Isolate hazard area and keep unnecessary people away. Remove all possible sources of ignition in the surrounding area. Notify authorities if any exposure to the general public or the environment occurs or is likely to occur.

If spilled material is cleaned up using a regulated solvent, the resulting waste mixture may be regulated.

**Recommended Equipment:**

Positive pressure, full-face piece self-contained breathing apparatus (SCBA), or positive pressure supplied air respirator with escape SCBA (NIOSH approved).

**Personal Precautions:**

Avoid breathing vapor. Avoid contact with skin, eye or clothing. Avoid inhalation of dust and contact with skin and eyes. Do not touch damaged containers or spilled materials unless wearing appropriate protective clothing.

**Environmental Precautions:**

Stop spill/release if it can be done safely. Prevent spilled material from entering sewers, storm drains, other unauthorized drainage systems and natural waterways by using sand, earth, or other appropriate barriers.

**Methods and Materials for Containment and Cleaning Up:**

Dike and contain spill with inert material (e.g. sand, earth). Transfer liquid to containers for disposal.

Coagulate the emulsion by the stepwise addition of ferric chloride and lime. Remove the clear supernatant liquid and flush to a chemical sewer. Incinerate the solids and the contaminated diking material at a permitted facility according to local, state, and federal regulations.

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**SECTION 7) HANDLING AND STORAGE**

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**General:**

Wash hands after use.

Do not get in eyes, on skin or on clothing.

Do not breathe vapors or mists.

Use good personal hygiene practices.

Eating, drinking and smoking in work areas is prohibited.

Remove contaminated clothing and protective equipment before entering eating areas.

**Ventilation Requirements:**

Use only with adequate ventilation to control air contaminants to their exposure limits. The use of local ventilation is recommended to control emissions near the source.

**Storage Room Requirements:**

Keep container(s) tightly closed and properly labeled. Store in cool, dry, well-ventilated areas away from heat, direct sunlight, strong oxidizers and any incompatibilities. Store in approved containers and protect against physical damage. Keep containers securely sealed when not in use. Indoor storage should meet OSHA standards and appropriate fire codes. Containers that have been opened must be carefully resealed to prevent leakage.

Ground and bond containers and receiving equipment. Avoid static electricity by grounding.

Keep from freezing, product may coagulate.

## SECTION 8) EXPOSURE CONTROLS/PERSONAL PROTECTION

### Eye Protection:

Wear eye protection with side shields or goggles. Wear indirect-vent, impact and splash resistant goggles when working with liquids. If additional protection is needed for entire face, use in combination with a face shield.

### Skin Protection:

Use of gloves approved to relevant standards made from the following materials may provide suitable chemical protection: PVC, neoprene or nitrile rubber gloves. Suitability and durability of a glove is dependent on usage, e.g. frequency and duration of contact, chemical resistance of glove material, glove thickness, dexterity. Always seek advice from glove suppliers. Contaminated gloves should be replaced. Use of an apron and over-boots of chemically impervious materials such as neoprene or nitrile rubber is recommended to avoid skin sensitization. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace. Launder soiled clothes or properly disposed of contaminated material, which cannot be decontaminated.

Use chemical resistant apron, boots or other clothing if needed to avoid repeated or frequent skin contact. Liquid may penetrate shoes and other clothing causing delayed irritation.

### Respiratory Protection:

If engineering controls do not maintain airborne concentrations to a level which is adequate to protect worker, a respiratory protection program that meets or is equivalent to OSHA 29 CFR 1910.134 and ANSI Z88.2 should be followed. Check with respiratory protective equipment suppliers.

A NIOSH/MSHA approved respirator is advised.

### Appropriate Engineering Controls:

Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value.

Chemical Name	OSHA TWA (ppm)	OSHA TWA (mg/m3)	OSHA STEL (ppm)	OSHA STEL (mg/m3)	OSHA Tables (Z1, Z2, Z3)	ACGIH Carcinogen	ACGIH TLV Basis	OSHA Carcinogen	ACGIH Notations	OSHA Skin designation	NIOSH TWA (ppm)	NIOSH TWA (mg/m3)
CALCIUM CARBONATE		[15]; [5 (a)];			1							10,5a
ETHYLENE GLYCOL						A4	URT & eye irr		A4			
MICA		20 (a) mppcf			1,3		Pneumococ niosis					3b
MINERAL OIL, PETROLEUM DISTILLATES, SOLVENT-DEWAXED HEAVY PARAFFINIC	500	2000			1							
ZINC OXIDE		[15]; [5];			1		Metal fume fever					5,5c

Chemical Name	NIOSH STEL (ppm)	NIOSH STEL (mg/m3)	ACGIH TWA (ppm)	ACGIH TWA (mg/m3)	ACGIH STEL (ppm)	ACGIH STEL (mg/m3)
CALCIUM CARBONATE						
ETHYLENE GLYCOL						C 100
MICA				3 (R)		
MINERAL OIL, PETROLEUM DISTILLATES, SOLVENT-DEWAXED HEAVY PARAFFINIC						
ZINC OXIDE		10d		2 (R)		10 (R)

A4 - Not Classifiable as a Human Carcinogen, irr - Irritation, URT - Upper respiratory tract

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**SECTION 9) PHYSICAL AND CHEMICAL PROPERTIES**

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**Physical and Chemical Properties**

Density	10.08505 lb/gal
Specific Gravity	1.20846
% Solids By Weight	49.10500%
% VOC	3.54200%
Density VOC Less H2O and Exempts	0.81152 lb/gal
VOC Actual	0.35721 lb/gal
% VHAPS	1.47348%
Density VHAPS	0.14860 lb/gal
% HAPS	1.47348%
Density HAPS	0.14860 lb/gal

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Appearance	Colored liquid
Odor Threshold	No information available
Odor Description	Latex paint
pH	8 - 10
Water Solubility	Dilutable
Flammability	Flash Point at or above 200 °F
Flash Point	N.A.
Viscosity	No information available
Lower Explosion Level	N.A.
Upper Explosion Level	N.A.
Vapor Pressure	17 mmHg
Vapor Density	<1 [air=1] (water)
Freezing Point	25 - 32 °F
Low Boiling Point	212 °F
High Boiling Point	477 °F
Auto Ignition Temp	No information available
Decomposition Pt	No information available
Evaporation Rate	(water)
Coefficient Water/Oil	No information available

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**SECTION 10) STABILITY AND REACTIVITY**

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**Stability:**

Material is stable at standard temperature and pressure.

**Conditions to Avoid:**

Decomposition is dependent on time and temperature. Onset of decomposition is 177°C/350°F. Avoid high temperatures.

**Hazardous Reactions/Polymerization:**

Will not occur.

**Incompatible Materials:**

Strong oxidizers.

**Hazardous Decomposition Products:**

Carbon dioxide, carbon monoxide

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**SECTION 11) TOXICOLOGICAL INFORMATION**

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**Likely Route of Exposure:**

Inhalation, ingestion, skin absorption

**Aspiration Hazard:**

No Data Available

**Carcinogenicity:**

May cause cancer.

**Germ Cell Mutagenicity:**

No Data Available

**Reproductive Toxicity:**

No Data Available

**Respiratory/Skin Sensitization:**

No Data Available

**Serious Eye Damage/Irritation:**

Causes serious eye irritation

**Skin Corrosion/Irritation:**

No Data Available

**Specific Target Organ Toxicity - Repeated Exposure:**

No Data Available

**Specific Target Organ Toxicity - Single Exposure:**

Causes damage to organs.

**Acute Toxicity:**

Vapors or mists can cause headache, nausea, and irritation of the nose, throat, and lungs.

0000107-21-1 ETHYLENE GLYCOL

LD50 (oral, rat): 5.89 g/kg; 8.54 g/kg; 13.0 g/kg (5)

LD50 (oral, mouse): 7.5 g/kg; 15.28 g/kg (5,6)

LD50 (oral, guinea pig): 6.6 g/kg; 11.0 g/kg (5)

LD50 (oral, rabbit): 5.0 g/kg (5)

LD50 (dermal, rabbit): 9.5 g/kg (6)

0064742-65-0 MINERAL OIL, PETROLEUM DISTILLATES, SOLVENT-DEWAXED HEAVY PARAFFINIC

LD50 (Rodent - rat, Oral) : >5000 mg/kg, Toxic effects : Details of toxic effects not reported other than lethal dose value.

LD50 (Rodent - rabbit, Administration onto the skin) : 5000 mg/kg, Toxic effects : Details of toxic effects not reported other than lethal dose value.

0001317-65-3 CALCIUM CARBONATE

LD50 (oral, rat): 6450 mg/kg (10; unconfirmed)

0001314-13-2 ZINC OXIDE

LD50 (oral, mouse): 7950 mg/kg body weight (9)

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**SECTION 12) ECOLOGICAL INFORMATION**

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**Toxicity:**

No Data Available

**Persistence and Degradability:**

No data available.

**Bioaccumulative Potential:**

No data available.

**Mobility in Soil:**

No data available.

**Other Adverse Effects:**

No data available.

**Bio-accumulative Potential**

0064742-65-0 MINERAL OIL, PETROLEUM DISTILLATES, SOLVENT-DEWAXED HEAVY PARAFFINIC

Contains constituents with the potential to bioaccumulate.

**Mobility in Soil**

Liquid under most environmental conditions. Floats on water. If it enters soil, it will adsorb to soil particles and will not be mobile.

## SECTION 13) DISPOSAL CONSIDERATIONS

### Waste Disposal:

Under RCRA it is the responsibility of the user of the product to determine at the time of disposal whether the product meets RCRA criteria for hazardous waste. Waste management should be in full compliance with federal, state and local laws.

Empty Containers retain product residue which may exhibit hazards of material, therefore do not pressurize, cut, glaze, weld or use for any other purposes. Return drums to reclamation centers for proper cleaning and reuse.

## SECTION 14) TRANSPORT INFORMATION

### U.S. DOT Information:

Not regulated as dangerous goods.

### IMDG Information:

Not regulated as dangerous goods.

### IATA Information:

Not regulated as dangerous goods.

## SECTION 15) REGULATORY INFORMATION

CAS	Chemical Name	% By Weight	Regulation List
0007732-18-5	WATER	43% - 53%	TSCA
0001317-65-3	CALCIUM CARBONATE	12% - 17%	SARA312,TSCA
0015793-73-4	Pigment Orange 34	4% - 6%	SARA312,TSCA
0001314-13-2	ZINC OXIDE	2% - 4%	CERCLA,SARA312,SARA313,TSCA
0012001-26-2	MICA	1.4% - 3%	SARA312
0000107-21-1	ETHYLENE GLYCOL	1.0% - 1.9%	CERCLA,SARA312,SARA313,VOC,TSCA,CA_Prop65 - California Proposition 65,CA_Prop65_Type_Toxicity_Develop - CA_Proposition65_Type_Toxicity_Developmental
0025265-77-4	2,2,4-TRIMETHYL PENTANEDIOL 1,3-MONOISOBUTYRAT	0.7% - 1.3%	SARA312,VOC,TSCA
0000057-55-6	PROPYLENE GLYCOL	0.6% - 1.1%	SARA312,VOC,TSCA
0064742-65-0	MINERAL OIL, PETROLEUM DISTILLATES, SOLVENT-DEWAXED HEAVY PARAFFINIC	0.2% - 0.5%	SARA312,TSCA
0127087-87-0	NONYL PHENOL ETHOXYLATE	0.2% - 0.4%	SARA312,TSCA
0013845-36-8	POTASSIUM TRIPOLYPHOSPHATE	0.1% - 0.3%	SARA312,TSCA
0000126-86-3	2,4,7,9-TETRAMETHYL-5-DECYNE-4,7-DIOL	0.1% - 0.2%	SARA312,TSCA
0000124-68-5	2-AMINO-2-METHYL-1-PROPANOL	0.1% - 0.2%	SARA312,VOC,TSCA
0060864-33-7	ALKYL ARYL POLYETHER	0.1% - 0.2%	SARA312,TSCA
0014808-60-7	SILICA, CRYSTALLINE	0.1% - 0.1%	SARA312,IARCCarcinogen,NTPCarcinogen,TSCA,CA_Prop65 - California Proposition 65,CA_Prop65_Type_Toxicity_Cancer - CA_Proposition65_Type_Toxicity_Cancer
0064742-47-8	ISOPARAFFINIC PETROLEUM DISTILLATE	Trace	SARA312,VOC,TSCA
0112926-00-8	SILICA - PRECIPITATED	Trace	SARA312
0001309-48-4	MAGNESIUM OXIDE	Trace	SARA312,TSCA

0027646-80-6	2-METHYLAMINO-2-METHYL-1-PROPANOL	Trace	SARA312
0009014-93-1	Poly(oxy-1,2-ethanediyl), .alpha.-(dinonylphenyl) .omega.-hydroxy-	Trace	SARA312,TSCA
0007558-79-4	SODIUM PHOSPHATE, DIBASIC	Trace	CERCLA,SARA312,TSCA
0080455-45-4	CELLULOSE, HEXADECYL 2-HYDROXYTHYL ETHER	Trace	SARA312

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## SECTION 16) OTHER INFORMATION

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### Glossary:

ACGIH- American Conference of Governmental Industrial Hygienists; ANSI- American National Standards Institute; Canadian TDG- Canadian Transportation of Dangerous Goods; CAS- Chemical Abstract Service; Chemtrec- Chemical Transportation Emergency Center (US); CHIP- Chemical Hazard Information and Packaging; DSL- Domestic Substances List; EC- Equivalent Concentration; EH40 (UK)- HSE Guidance Note EH40 Occupational Exposure Limits; EPCRA- Emergency Planning and Community Right-To-Know Act; ESL- Effects screening levels; HMIS- Hazardous Material Information Service; LC- Lethal Concentration; LD- Lethal Dose; NFPA- National Fire Protection Association; OEL- Occupational Exposure Limits; OSHA- Occupational Safety and Health Administration, US Department of Labor; PEL- Permissible Exposure Limit; SARA (Title III)- Superfund Amendments and Reauthorization Act; SARA 313- Superfund Amendments and Reauthorization Act, Section 313; SCBA- Self-Contained Breathing Apparatus; STEL- Short Term Exposure Limit; TCEQ - Texas Commission on Environmental Quality; TLV- Threshold Limit Value; TSCA- Toxic Substances Control Act Public Law 94-469; TWA - Time Weighted Value; US DOT- US Department of Transportation; WHMIS- Workplace Hazardous Materials Information System.

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