# Series ProSelect Traffic Paint

# **Material Safety Data Sheet**

Issuing Date 18-Sep-2012 Revision Date 18-Sep-2012 Revision Number 0

# 1. PRODUCT AND COMPANY IDENTIFICATION

Product Name E-F Series ProSelect WHITE CAL TRAN WATERBORNE PAINT

Product Code(s) 98EF1170

Recommended Use Traffic paint

Product Technology W/B

**Manufacturer Address** 

Ennis-Flint 5910 North Central Expressway

Suite 1050 Dallas TX 75206 T: 800.331.8118

800.331.8118 (For Technical Inquiries)

**Chemical Emergency Phone** 

Number

Chemtrec 1-800-424-9300

# 2. HAZARDS IDENTIFICATION

#### WARNING!

# **Emergency Overview**

Harmful by inhalation, in contact with skin and if swallowed
Causes central nervous system depression
May cause skin, eye, and respiratory tract irritation
May adversely affect liver and kidney

Cancer hazard

WARNING! This product contains a chemical known in the State of California to cause cancer.

Appearance White Physical State Emulsion. Odor Slight, Ammonia

**Potential Health Effects** 

Principle Routes of Exposure Eye contact. Skin contact. Inhalation.

**Acute Toxicity** 

**Eyes** May cause irritation.

**Skin** Harmful if absorbed through skin. May cause irritation.

Inhalation Harmful by inhalation. May cause central nervous system depression with nausea,

headache, dizziness, vomiting, and incoordination. Sanding and grinding dust may be

harmful if inhaled.

Ingestion Harmful if swallowed. May cause blindness if swallowed. May cause additional affects as

listed under "Inhalation". Ingestion may cause gastrointestinal irritation, nausea, vomiting

and diarrhea.

Chronic Effects Inhalation exposure to respirable levels of crystalline silica may cause respiratory

impairment and lung damage. Crystalline silica (quartz) has been classified by the International Agency for Research on Cancer (IARC) as a known human carcinogen (Group

1). Titanium dioxide has been classified by the International Agency for Research on Cancer (IARC) as possibly carcinogenic to humans (Group 2B) by inhalation. Inhalation, ingestion, or skin absorption of methanol can cause blindness. May cause adverse liver

effects.

Aggravated Medical Conditions Respiratory disorders. Pre-existing eye disorders. Skin disorders. Liver disorders. Kidney

disorders. Central nervous system.

**Interactions with Other Chemicals** Use of alcoholic beverages may enhance toxic effects.

**Environmental Hazard** See Section 12 for additional Ecological Information.

#### 3. COMPOSITION/INFORMATION ON INGREDIENTS

| Chemical Name    | CAS-No     | Weight % |
|------------------|------------|----------|
| Titanium dioxide | 13463-67-7 | 3-7      |
| Barium sulfate   | 7727-43-7  | 1-5      |
| Zinc sulfide     | 1314-98-3  | 1-5      |
| Methyl alcohol   | 67-56-1    | 1-5      |
| Quartz           | 14808-60-7 | 0.1-1    |

#### 4. FIRST AID MEASURES

Eye Contact Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If

symptoms persist, call a physician.

Skin Contact Wash off immediately with plenty of water. Remove and wash contaminated clothing before

re-use. If symptoms persist, call a physician.

**Inhalation** Move to fresh air. If breathing is difficult, give oxygen. If symptoms persist, call a physician.

**Ingestion** Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Drink

plenty of water. If symptoms persist, call a physician.

Notes to Physician Treat symptomatically.

# 5. FIRE-FIGHTING MEASURES

Flammable Properties Not flammable.

Flash Point > 201 °F / 93.8 °C

surrounding environment.

**Explosion Data** 

Sensitivity to Mechanical Impact None.
Sensitivity to Static Discharge None

Protective Equipment and Precautions for Firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH

(approved or equivalent) and full protective gear.

NFPA Health Hazard 1 Flammability 1 Instability 0 Physical and Chemical

Hazards -

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HMIS Health Hazard 2\* Flammability 1 Physical Hazard 0 Personal Protection X

\*Indicates a chronic health hazard.

# 6. ACCIDENTAL RELEASE MEASURES

Personal Precautions Use personal protective equipment. Ensure adequate ventilation. Avoid contact with skin,

eyes and clothing.

**Environmental Precautions** Prevent product from entering drains. Do not flush into surface water or sanitary sewer

system.

Methods for Containment Prevent further leakage or spillage if safe to do so. Dike far ahead of liquid spill for later

disposal.

Methods for Cleaning Up

Dam up. Use personal protective equipment. Cover liquid spill with sand, earth or other

noncombustible absorbent material. Take up mechanically and collect in suitable container

for disposal. Clean contaminated surface thoroughly.

# 7. HANDLING AND STORAGE

Handling Ensure adequate ventilation. Avoid breathing vapors or mists. Avoid contact with skin, eyes

and clothing. Remove and wash contaminated clothing before re-use. Do not eat, drink or

smoke when using this product.

Storage Keep container tightly closed in a dry and well-ventilated place. Keep in properly labeled

containers. Keep out of the reach of children.

# 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

# **Exposure Guidelines**

| Chemical Name                  | ACGIH TLV                            | OSHA PEL  | NIOSH IDLH   |
|--------------------------------|--------------------------------------|---|--|
| Limestone<br>1317-65-3         | -                                    | TWA: 15 mg/m³<br>TWA: 5 mg/m³<br>(vacated) TWA: 15 mg/m³<br>(vacated) TWA: 5 mg/m³  | TWA: 5 mg/m³ respirable dust<br>TWA: 10 mg/m³ total dust                             |
| Titanium dioxide<br>13463-67-7 | TWA: 10 mg/m³                        | TWA: 15 mg/m³ total dust<br>(vacated) TWA: 10 mg/m³ total<br>dust   | IDLH: 5000 mg/m³   |
| Barium sulfate<br>7727-43-7    | TWA: 10 mg/m³                        | TWA: 15 mg/m³ total dust TWA: 5 mg/m³ respirable fraction (vacated) TWA: 10 mg/m³ total dust (vacated) TWA: 5 mg/m³ respirable fraction                 | TWA: 10 mg/m³ total dust<br>TWA: 5 mg/m³ respirable dust                             |
| Methyl alcohol<br>67-56-1      | STEL = 250 ppm<br>TWA: 200 ppm<br>S* | TWA: 200 ppm TWA: 260 mg/m³ (vacated) TWA: 200 ppm (vacated) TWA: 260 mg/m³ (vacated) STEL: 250 ppm (vacated) STEL: 325 mg/m³ (vacated) S*              | IDLH: 6000 ppm<br>TWA: 200 ppm<br>TWA: 260 mg/m³<br>STEL: 325 mg/m³<br>STEL: 250 ppm |
| Quartz<br>14808-60-7           | TWA: 0.025 mg/m³ respirable fraction | 30/(%SiO2+2) mg/m³ TWA, Total<br>Dust;250/%SiO2+5) mppcf TWA,<br>respirable fraction; 10/(%SiO2+2)<br>mg/m³ TWA, respirable<br>TWA: 0.1 mg/m³ (vacated) | IDLH: 50 mg/m³ respirable dust<br>TWA: 0.05 mg/m³ respirable dust                    |

ACGIH TLV: American Conference of Governmental Industrial Hygienists - Threshold Limit Value. OSHA PEL: Occupational Safety and Health Administration - Permissible Exposure Limits. NIOSH IDLH: Immediately Dangerous to Life or Health.

Other Exposure Guidelines Vacated limits revoked by the Court of Appeals decision in AFL-CIO v. OSHA, 965 F.2d

962 (11th Cir., 1992).

Engineering Measures Showers

Eyewash stations Ventilation systems

**Personal Protective Equipment** 

Eye/Face Protection
Skin and Body Protection
Respiratory Protection

Safety glasses with side-shields.

Protective gloves.

If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be

provided in accordance with current local regulations.

**Hygiene Measures**Do not eat, drink or smoke when using this product. Remove and wash contaminated clothing before re-use. Provide regular cleaning of equipment, work area and clothing.

# 9. PHYSICAL AND CHEMICAL PROPERTIES

AppearanceWhite.OdorSlight, Ammonia.Odor ThresholdNot applicablePhysical StateEmulsion

pH Not applicable

Flash Point > 201 °F / 93.8 °C Autoignition Temperature Not applicable Boiling Point/Boiling Range Not applicable

Melting Point/Range Not applicable

Flammability Limits in Air Not applicable

Specific Gravity1.55 - 1.75SolubilityInsolubleEvaporation RateNot applicableVapor PressureNot applicable

Vapor Density Not applicable VOC (g/l) <100

# 10. STABILITY AND REACTIVITY

**Stability** Stable under recommended storage conditions.

Incompatible Products

None known based on information supplied.

Conditions to Avoid Dust formation.

Hazardous Decomposition Products Carbon oxides. Nitrogen oxides (NOx).

**Hazardous Polymerization** Hazardous polymerization does not occur.

# 11. TOXICOLOGICAL INFORMATION

# **Acute Toxicity**

**Product Information** 

No acute toxicity information is available for this product.

#### **Component Information**

| Chemical Name  | LD50 Oral          | LD50 Dermal         | LC50 Inhalation                          |
|----------------|--------------------|---------------------|--|
| Zinc sulfide   | > 2000 mg/kg (Rat) | > 2 g/kg (Rat)      | > 5040 mg/m³ (Rat) 4 h                   |
| Methyl alcohol | 5628 mg/kg (Rat)   | 15800 mg/kg(Rabbit) | 83.2 mg/L (Rat)4 h<br>64000 ppm (Rat)4 h |
| Quartz         | 500 mg/kg (Rat)    |                     |  |

# **Chronic Toxicity**

#### **Chronic Toxicity**

Inhalation exposure to respirable levels of crystalline silica may cause respiratory impairment and lung damage. Crystalline silica (quartz) has been classified by the International Agency for Research on Cancer (IARC) as a known human carcinogen (Group 1). Titanium dioxide has been classified by the International Agency for Research on Cancer (IARC) as possibly carcinogenic to humans (Group 2B) by inhalation. Inhalation, ingestion, or skin absorption of methanol can cause blindness. May cause adverse liver effects.

#### Carcinogenicity

The table below indicates whether each agency has listed any ingredient as a carcinogen.

| Chemical Name    | ACGIH | IARC     | NTP   | OSHA |
|------------------|-------|----------|-------|------|
| Titanium dioxide |       | Group 2B |       | X    |
| Quartz           | A2    | Group 1  | Known | X    |

ACGIH: (American Conference of Governmental Industrial Hygienists)

A2 - Suspected Human Carcinogen

IARC: (International Agency for Research on Cancer)

Group 1 - Carcinogenic to Humans

Group 2B - Possibly Carcinogenic to Humans

**NTP: (National Toxicity Program)** 

Known - Known Carcinogen

**OSHA: (Occupational Safety & Health Administration)** 

X - Present

**Target Organ Effects** 

Respiratory system. Liver. Kidney. Central nervous system (CNS).

# 12. ECOLOGICAL INFORMATION

# **Ecotoxicity**

Product Information LC50/96h/Fathead minnows = >750 mg/L

| Chemical Name  | Toxicity to Algae | Toxicity to Fish   | Toxicity to<br>Microorganisms   | Daphnia Magna (Water<br>Flea) |
|----------------|-------------------|--|---|-------------------------------|
| Methyl alcohol | -                 | LC50 96 h: 13500 - 17600 mg/L flow-through (Lepomis macrochirus) LC50 96 h: 18 - 20 mL/L static (Oncorhynchus mykiss) LC50 96 h: 19500 - 20700 mg/L flow-through (Oncorhynchus mykiss) LC50 96 h: = 28200 mg/L flow-through (Pimephales promelas) LC50 96 h: > 100 mg/L static | EC50 = 39000 mg/L 25 min<br>EC50 = 40000 mg/L 15 min<br>EC50 = 43000 mg/L 5 min | -                             |
|                |                   | (Pimephales promelas)  | 1   |                               |
|                | Chemical Name     |  | Log Pow   |                               |
|                | Methyl alcohol    |  | -0.77   |                               |

# 13. DISPOSAL CONSIDERATIONS

Waste Disposal Methods This material, as supplied, is not a hazardous waste according to Federal regulations (40

CFR 261). This material could become a hazardous waste if it is mixed with or otherwise comes in contact with a hazardous waste, if chemical additions are made to this material, or if the material is processed or otherwise altered. Consult 40 CFR 261 to determine whether the altered material is a hazardous waste. Consult the appropriate state, regional, or local

regulations for additional requirements.

**Contaminated Packaging** Do not re-use empty containers.

US EPA Waste Number U001 U154

| Chemical Name            | RCRA | RCRA - Basis for Listing  | RCRA - D Series Wastes | RCRA - U Series Wastes |
|--------------------------|------|---------------------------|------------------------|------------------------|
| Methyl alcohol - 67-56-1 |      | Included in waste stream: |                        | U154                   |
|                          |      | F039                      |                        |                        |

This product contains one or more substances that are listed with the State of California as a hazardous waste.

| Chemical Name  | California Hazardous Waste |
|----------------|----------------------------|
| Barium sulfate | Toxic soluble              |
| Zinc sulfide   | Toxic                      |
| Methyl alcohol | Toxic                      |
|                | Ignitable                  |

# 14. TRANSPORT INFORMATION

**DOT** Not regulated

TDG Not regulated

MEX Not regulated

ICAO Not regulated

IATA Not regulated

IMDG/IMO Not regulated

# 15. REGULATORY INFORMATION

**International Inventories** 

TSCA Complies
DSL Complies

Legend

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

# **U.S. Federal Regulations**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372:

| Chemical Name  | CAS-No    | Weight % | SARA 313 - Threshold<br>Values % |
|----------------|-----------|----------|----------------------------------|
| Barium sulfate | 7727-43-7 | 4.76     | 1.0                              |
| Zinc sulfide   | 1314-98-3 | 1.96     | 1.0                              |
| Methyl alcohol | 67-56-1   | 1.49     | 1.0                              |

# SARA 311/312 Hazard Categories

| Acute Health Hazard               | Yes |
|-----------------------------------|-----|
| Chronic Health Hazard             | Yes |
| Fire Hazard                       | No  |
| Sudden Release of Pressure Hazard | No  |
| Reactive Hazard                   | No  |

#### **Clean Water Act**

This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42):

| Chemical Name | CWA - Reportable<br>Quantities | CWA - Toxic Pollutants | CWA - Priority Pollutants | CWA - Hazardous<br>Substances |
|---------------|--------------------------------|------------------------|---------------------------|-------------------------------|
| Zinc sulfide  |                                | X                      |                           |                               |

#### **CERCLA**

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302):

|  |  | Chemical Name | Hazardous Substances RQs | Extremely Hazardous Substances RQs | RQ |
|--|--|---------------|--------------------------|------------------------------------|----|
|--|--|---------------|--------------------------|------------------------------------|----|

#### WPS-ENN-98EF1170 - E-F Series ProSelect WHITE CAL TRAN **WATERBORNE PAINT**

| Methyl alcohol | 5000 lb | RQ= 2270 kg final RQ |
|----------------|---------|----------------------|
| ·              |         | RQ= 5000 lb final RQ |

# U.S. State Regulations

# **California Proposition 65**

This product contains the following Proposition 65 chemicals:

| Chemical Name    | CAS-No     | California Prop. 65 |
|------------------|------------|---------------------|
| Titanium dioxide | 13463-67-7 | Carcinogen          |
| Quartz           | 14808-60-7 | Carcinogen          |

# U.S. State Right-to-Know Regulations

| Chemical Name    | New Jersey | Massachusetts | Pennsylvania | Illinois | Rhode Island |
|------------------|------------|---------------|--------------|----------|--------------|
| Limestone        | X          | X             | X            |          | Х            |
| Titanium dioxide | Х          | Х             | X            | =        | Х            |
| Barium sulfate   | X          | X             | X            |          |              |
| Methyl alcohol   | Х          | Х             | X            | Х        | Х            |
| Quartz           | X          | Х             | Х            | -        | X            |

# International Regulations Mexico - Grade

Slight risk, Grade 1

| Chemical Name    | Carcinogen Status | Exposure Limits                     |
|------------------|-------------------|-------------------------------------|
| Titanium dioxide |                   | Mexico: TWA= 10 mg/m <sup>3</sup>   |
|                  |                   | Mexico: STEL= 20 mg/m <sup>3</sup>  |
| Methyl alcohol   |                   | Mexico: TWA= 200 ppm                |
|                  |                   | Mexico: TWA= 260 mg/m <sup>3</sup>  |
|                  |                   | Mexico: STEL= 250 ppm               |
|                  |                   | Mexico: STEL= 310 mg/m <sup>3</sup> |
| Quartz           |                   | Mexico: TWA= 0.1 mg/m <sup>3</sup>  |

# Canada

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

# **WHMIS Hazard Class**

D1B Toxic materials D2A Very toxic materials D2B Toxic materials



# **Canadian National Pollutant Release Inventory (NPRI)**

| Component       | NPRI |
|-----------------|------|
| Methyl alcohol  | X    |
| 67-56-1 ( 1-5 ) |      |

Legend

X - Listed

# **16. OTHER INFORMATION**

Prepared By Product Stewardship

23 British American Blvd. Latham, NY 12110

1-800-572-6501

Issuing Date18-Sep-2012Revision Date18-Sep-2012Revision NoteInitial Release

#### **General Disclaimer**

The information provided on this MSDS is correct to the best of our knowledge, information and belief at the date of its publication and it does not purport to be all inclusive and shall be used only as a guide. We urge each customer or recipient of this MSDS to study it carefully to become aware of and understand the potential hazards associated with the product. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text. Any use of the product not in conformance with this MSDS or in combination with any other product or process is the responsibility of the user. Customary precautionary measures for handling chemicals should be followed. Keep away from foodstuffs, beverages and feed. Wash hands before breaks and at the end of work. Remove all soiled and contaminated clothing immediately.

**End of Safety Data Sheet**