

SPI Max Blue Spray Indicator (2 x 2.5 gal)
MSDS Number: 710149

Page 1 of 4
October 18, 2005

MATERIAL SAFETY DATA SHEET

SPI Max Blue Spray Indicator (2 x 2.5 gal)

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Identification

Product Name: SPI Max Blue Spray Indicator (2 x 2.5 gal)
Chemical Family: Polymeric colorant blend
CAS Number: Blend

Company Identification

PROKOZ
100 North Point Center E, Suite 330
Alpharatta, GA 30022-8242
1-770-619-9832 (For questions and emergencies)
1-800-424-9300 or 1-703-527-3887 (CHEMTREC)

PRODUCT USE:

Colorant.

2. COMPOSITION/INFORMATION ON INGREDIENTS

COMPONENT LISTING:

Chemical Name	Amount	CAS Number
PROPRIETARY COLORANT BLEND	100.0 %	Blend

(See Section 8 for exposure guidelines)

(See Section 15 for regulatory information)

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW:

The health hazards of this product should be low under normal industrial and commercial uses. Prolonged or repeated contact may cause skin or eye irritation. This material is a concentrated colorant.

HFRP Rating:

- Health - 0
- Flammability - 0
- Reactivity - 0
- Personal Protection Index - B

POTENTIAL HEALTH EFFECTS

EYE:

Not expected to be an eye irritant. No hazards expected in normal industrial use.

SKIN:

Not expected to be a skin irritant. No hazards expected in normal industrial use.



SPI Max Blue Spray Indicator (2 x 2.5 gal)
MSDS Number: 710149

Page 2 of 4
October 18, 2005

INHALATION:

No information regarding inhalation available. No known hazards in normal industrial use.

INGESTION:

No information regarding ingestion available. No hazards expected in normal industrial use.

4. FIRST AID MEASURES**EYE CONTACT FIRST AID:**

In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention if irritation develops or persists.

SKIN CONTACT FIRST AID:

Wash affected area with large amounts of soap and water. Get medical attention if irritation develops or persists.

INHALATION FIRST AID:

Although this product is not known to cause respiratory problems, if breathing is difficult, remove to fresh air and provide oxygen. Get medical attention if cough or other symptoms develop.

INGESTION FIRST AID:

If swallowed, immediately give 2 glasses of water. Never give anything by mouth to an unconscious person. Contact a physician.

5. FIRE FIGHTING MEASURES**FLAMMABLE PROPERTIES**

COC Flash Point: > 260.0 C (> 500.0 F)

Autoignition Temperature: N/A

FLAMMABLE LIMITS IN AIR

LEL: N/A

UEL: N/A

EXTINGUISHING MEDIA:

Water, carbon dioxide, foam or dry powder.

FIRE & EXPLOSION HAZARDS:

No known unusual hazards in a fire/explosion situation.

FIRE FIGHTING INSTRUCTIONS:

As in any fire, wear self-contained breathing apparatus pressure-demand MSHA/NIOSH (approved or equivalent) and full protective gear. Avoid breathing smoke, fumes, and decomposition products. Contain runoff water. Contaminated extinguishing water must be disposed of in accordance with applicable regulations.

6. ACCIDENTAL RELEASE MEASURES**SPILL PROCEDURE:**

This material is a concentrated colorant. Water will increase the amount of colorant contamination. Do not allow material to enter soil or surface water. Clean up area by absorbent material. Take up and place in secure closed containers. All waste materials should be packaged, labeled, and transported in accordance with all national, state/provincial, and local requirements.

INITIAL CONTAINMENT:

Do not allow material to enter soil or surface water.

7. HANDLING AND STORAGE

UNCONTROLLED DOCUMENT



SPI Max Blue Spray Indicator (2 x 2.5 gal)
MSDS Number: 710149

Page 3 of 4
October 18, 2005

HANDLING (PERSONNEL):

Wash hands thoroughly after handling. Wash contaminated clothing before reuse.

HANDLING (PHYSICAL ASPECTS):

Avoid extreme temperatures. Keep container closed to avoid contamination.

STORAGE PRECAUTIONS:

Protect containers from physical damage. Do not stack drums more than three pallets high.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

ENGINEERING CONTROLS:

Good general ventilation should be sufficient to control airborne levels.

EYE / FACE PROTECTION REQUIREMENTS:

Wear safety glasses. Where contact with this material is likely, chemical goggles are recommended.

SKIN PROTECTION REQUIREMENTS:

Wear protective gloves to minimize skin contamination. For brief contact, normal work attire should be sufficient. When prolonged or frequently repeated contact could occur, use protective clothing impervious to this material.

RESPIRATORY PROTECTION REQUIREMENTS:

Under normal use conditions, with adequate ventilation, no special respiratory protective equipment is required.

EXPOSURE GUIDELINES:

No Information Available.

9. PHYSICAL AND CHEMICAL PROPERTIES

FORM:	Liquid
COLOR:	Dark Blue
ODOR:	Slight, sweet odor
BOILING POINT:	100 C
VAPOR PRESSURE:	N/A mm Hg
VAPOR DENSITY:	N/A (Air = 1)
SOLUBILITY IN WATER:	Complete
SPECIFIC GRAVITY:	1.05 (approx) (Water = 1)
MELTING/FREEZING POINT:	< 0 C
PH:	Neutral
% VOLATILES:	80 (approx) %

10. STABILITY AND REACTIVITY

STABILITY:

This product is stable at ambient conditions.

POLYMERIZATION:

Hazardous polymerization will not occur.

INCOMPATIBILITY WITH OTHER MATERIALS:

Avoid contact with strong oxidizing agents.

DECOMPOSITION:

Decomposition will not occur if handled and stored properly.



SPI Max Blue Spray Indicator (2 x 2.5 gal)
MSDS Number: 710149

Page 4 of 4
October 18, 2005

11. TOXICOLOGICAL INFORMATION

No information available.

12. ECOLOGICAL INFORMATION

No information available.

13. DISPOSAL CONSIDERATIONS

WASTE DISPOSAL:

Uncleaned empty containers should be disposed of in the same manner as the contents. This material is a concentrated colorant. Avoid washing material into sewer systems without proper treatment and authorization by the treatment facility management. All waste materials should be packaged, labeled, and transported in accordance with all national, state/provincial, and local requirements.

14. TRANSPORTATION INFORMATION

PRODUCT LABEL:	SPI Max Blue Spray Indicator (2 x 2.5 gal)
D.O.T. SHIPPING NAME:	Not Regulated
D.O.T. HAZARD CLASS:	Non-Hazardous

15. REGULATORY INFORMATION

CHEMICAL INVENTORY INFORMATION:

This material or all of its components are listed on the Inventory of Existing Chemical Substances under the Toxic Substance Control Act (TSCA). This material or all of its components are listed on the Canadian Domestic Substances List (DSL). This material or all of its components are listed (or considered as having been notified) on the European Inventory of Existing Chemical Substances (EINECS).

16. OTHER INFORMATION

PREPARED BY:	John Bruhnke
APPROVED BY:	Bob Mahaffey
TITLE:	Senior Development Chemist
APPROVAL DATE:	April 13, 2004
SUPERCEDES DATE:	March 1, 2000
MSDS NUMBER:	710149

The information contained in this Material Safety Data Sheet is furnished without warranty, expressed or implied, except that it is accurate to the best knowledge of PROKOZ. The data on this sheet are related only to the specific material designated herein. PROKOZ assumes no legal responsibility for use or reliance upon these data.

END OF MSDS



SPI-MAX[®]

Blue Spray Marker

STORAGE AND DISPOSAL

1. **PROHIBITIONS:** Do not contaminate water, food or feed by storage, disposal or cleaning of equipment.
2. **STORAGE:** Store in original container only and keep sealed. Store in closed storage area. Use caution when moving, opening, closing, or pouring.
3. **PRODUCT DISPOSAL:** Improper disposal of excess spray mixtures or rinsate is a violation of federal law. Wastes resulting from use of this product should be disposed of through on-site spray application or at an approved waste disposal facility.

CONTAINER DISPOSAL: Triple rinse (or equivalent) then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or follow other procedures approved by state and local authorities.

The statements made on this label are believed to be true and accurate, but because of conditions of use which are beyond our control, PROKOZ does not make, nor does it authorize any agent or representative to make, any warranty, guarantee or representation, expressed or implied, concerning this material, or the use thereof, except in conformity with the statements made on this label. Neither PROKOZ nor the seller shall be held responsible in any manner for any personal injury or property damage or loss resulting to the buyer, or to the other person, from handling, storage or use of this material not in accordance with directions. The buyer assumes all risks and liability resulting from improper handling, storage or use and accepts and uses this material on these conditions.

***** Covered by one or more of the following
US Patents: 5,387,745, and 5,620,943. *****

CAUTION: Keep out of reach of children. Do not take internally. In case of eye contact, flush eyes with water and consult a physician. In case of ingestion, dilute with water or milk and consult a physician. Do not reuse empty containers. Triple rinse empty containers and add rinsate into spray tank. Puncture empty spray containers prior to disposal.

According to the Office of Pesticides and Toxic Substances of the U.S. E.P.A, no clearance is required under 40 CFR 180.1001 to use PROKOZ SPI-MAX[®] on non-crop vegetation.
PROKOZ SPI-MAX[®] Spray Marker is NOT INTENDED FOR USE ON EDIBLE CROPS.

The information contained herein is provided for the purpose of disclosing product application and does not constitute product specifications regarding which, if any, warranties are expressed or implied.

PROKOZ

100 North Point Center E., Suite 330
Alpharetta, Georgia 30022-8242



PO BOX 16458 • FRESNO CA 93755

MATERIAL SAFETY DATA SHEET

PRODUCT/TRADE NAME:

COMPETITOR

I. NAME

PRODUCT/TRADE NAME: COMPETITOR
EPA REGISTRATION #: NONE
CHEMICAL NAME/Common Name:
Ethyl Oleate/Ethylolate

II. HAZARDOUS INGREDIENTS

	CAS#	OSHA PEL	ACGIH TLV
Ethylolate	111-62-6	NE	NE

III. PHYSICAL DATA

SPECIFIC GRAVITY (H₂O = 1): .9
MELTING POINT: NA
VAPOR DENSITY (AIR = 1): NE
% VOLATILES BY VOL.: NE
ODOR: Fatty
APPEARANCE: Amber Liquid
FLASH POINT/METHOD: >150 Deg. C
VAPOR PRESSURE (mmHg): NE
SOLUBILITY IN H₂O: Emulsifiable

IV. FIRE & EXPLOSION HAZARD

EXTINGUISHING MEDIA: Water Fog Foam Alcohol Foam
 CO₂ Dry Chemical Other
FIRE FIGHTING PRECAUTIONS & HAZARDS:
Fight fire upwind. Wear positive pressure self-contained breathing apparatus and full protective clothing. Do not breathe smoke or spray mist. Avoid fallout and runoff. Dike to prevent entering drains, sewers, or water courses. Evacuate people downwind from fire.

V. CARCINOGEN STATUS

OSHA NTP ARC No Listing Type

VI. REACTIVITY

Stable HAZARDOUS POLYMERIZATION
 Unstable May Occur Will Not Occur
AVOID: Strong oxidizers, organic material
HAZARDOUS DECOMPOSITION PRODUCTS: CO_x

VII. SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE OF SPILL: Absorb with inert material and sweep or vacuum into disposal container.
DECONTAMINATION: Treat spill area with detergent and water. Absorb with inert material. Place in disposal container and repeat procedure as necessary until area is clean.
ENVIRONMENTAL HAZARDS: Dike to prevent entering drains, sewers or water courses.
DISPOSAL: Dispose of in accordance with Federal, State and local regulations.

VIII. HEALTH PRECAUTION DATA

INGESTION: Do not ingest. Acute Oral LD₅₀ (Rats) >5000 mg/kg (WECO). Wash thoroughly before eating, drinking or smoking.
INHALATION: No PEL/TLV established for this product. Do not inhale mist. Use proper respiratory protective equipment for exposures encountered.
SKIN ABSORPTION: Acute Dermal LD₅₀ (Rabbits) >5000 mg/kg (WECO). May cause moderate skin irritation. Wear proper personal protective equipment to reduce skin exposure.
EYE EXPOSURE: Keep out of eyes. Minimally irritating to eyes. If exposed, flush eyes for a minimum of 15 minutes with water. Wear proper eye protection to reduce splash exposure.
EFFECTS OF OVEREXPOSURE: Material is not toxic or irritating to the skin. No known chronic effects. No known preexisting medical conditions will be aggravated by exposure.
FIRST AID: In all cases, get prompt medical attention. If ingested, give several glasses of water and induce vomiting. Do not induce vomiting if person is unconscious. For skin exposure, remove contaminated clothing and wash with soap and water. For eye contact, irrigate for a minimum of 15 minutes with water. If inhaled, remove victim to fresh air, and administer CPR if necessary.

IX. SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION: Use NIOSH/MSHA - approved respirator for organic vapors for the exposures encountered. Positive pressure self-contained breathing apparatus should be used for confined space entry and excessive exposures.
PERSONAL PROTECTIVE EQUIPMENT: Neoprene or rubber gloves and safety goggles.
VENTILATION: General ventilation.

X. SPECIAL PRECAUTIONS

Keep out of the reach of children. Read and follow all label instructions.

XI. REGULATORY DATA

SARA HAZARD CLASS: Acute Chronic Flammable
 Pressure Reactive None

SARA 313: Yes No Chemical:

SARA 302: Yes No Chemical:

TPQ:

CERCLA: Yes No Chemical:

RQ:

RCRA: Yes No

NFPA HAZARD RATING:

Health: [1]

Fire: [1]

Reactivity: [0]

Special: []

HMIS CODES:

Health: [1]

Fire: [1]

Reactivity: [0]

NFPA HAZARD RATING SCALE:

0 = Minimal 3 = Serious

1 = Slight 4 = Severe

2 = Moderate

HMIS HAZARD RATING SCALE:

0 = Minimal 3 = Serious

1 = Slight 4 = Severe

2 = Moderate

DATE PREPARED: October 8, 2003

REVISED DATE: July 22, 2005

Notice: This information was developed from information on the constituent materials. No warranty is expressed or implied regarding the completeness or continuing accuracy of the information contained herein, and Wilbur-Ellis disclaims all liability for reliance thereon. The user should satisfy himself that he has all current data relevant to his particular use.

*Technical Material NE - Not Established NA - Not Applicable

24 Hour Emergency Phone Number
CHEMTREC: (800) 424-9300





Modified Vegetable Oil



U.S. Patent No. 5,631,205

CA Reg. No. 2935-50173

WA Reg. No. 2935-04001

PRINCIPAL FUNCTIONING AGENTS	% By Wt.
Ethyl Oleate, Sorbitan Alkylpolyethoxylate Ester, Dialkyl Polyoxyethylene Glycol.....	98%
Constituents ineffective as spray adjuvant	2%
Total	100%

DIRECTIONS FOR USE

Aquatics: COMPETITOR may be used as an additive with aquatically labeled pesticides. The use rates for COMPETITOR should follow the recommended adjuvant rate that is specified on the pesticide product label.

If there is no recommended adjuvant rate on the pesticide label, COMPETITOR should be used at the rate of 1 to 2 pints per acre in 5-30 gallons of water. For volumes greater than 30 gallons of water, do not exceed a rate of 1% volume/volume.

For handgun or backpack applications, do not exceed a rate of 5% volume/volume.

Herbicides: Use 1 to 4 pints of COMPETITOR per acre. The addition of a nitrogen fertilizer such as 28%-32% N solution or ammonium sulfate may be required to improve control under extreme environmental conditions or to satisfy certain label requirements. For over-the-Top Application, use caution at the higher application rates when temperatures exceed 85° F on sensitive crops such as seedling alfalfa.

Insecticides: Use 1/2 to 2 pints per 100 gallons of spray mix or use 1/4 to 1 pint per acre in concentrate sprays of 50 gallons or less.

For pesticides/herbicides that permit use of an adjuvant at a higher rate, follow instructions on that pesticide/herbicide label. **HOWEVER, DO NOT ADD THIS PRODUCT AT A RATE WHICH EXCEEDS 5% OF THE FINISHED SPRAY VOLUME, EXCEPT WHEN USED AS A DILUENT IN DORMANT, BASAL, SITE PREPARATION OR OTHER SIMILAR APPLICATIONS, PER LABEL INSTRUCTIONS.**

Use caution at the higher application rates. When applying to a sensitive crop, first treat a small area to determine if there may be adverse effects on the crop.

KEEP OUT REACH OF CHILDREN

CAUTION

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION: Harmful if swallowed. Avoid breathing vapors or spray mist. Avoid contact with skin, eyes or clothing. Causes eye and skin irritation. Do not get in eyes, on skin or on clothing. Wear proper eye protection to reduce splash exposure. Wear protective gloves and proper personal protective equipment to reduce skin exposure. Wash thoroughly with soap and water after handling. Remove and wash contaminated clothing before reuse. This product may cause an allergic reaction in sensitive individuals.

FIRST AID

IF SWALLOWED, Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person. **IF IN EYES,** Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice. **IF ON SKIN OR CLOTHING,** Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice. **IF INHALED,** Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. Call a poison control center or doctor for further treatment advice.

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage, disposal or cleaning of equipment. Open dumping is prohibited.

STORAGE: Keep product in original container. Do not put concentrate or dilute into food or drink containers. For help with any spill, leak, fire or exposure involving this material, call day or night CHEMTREC (800) 424-9300.

PESTICIDE DISPOSAL: Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

CONTAINER DISPOSAL: Triple rinse (or equivalent). Do not reuse container. Offer for recycling or reconditioning or puncture and dispose of in a sanitary landfill or by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

READ ENTIRE LABEL. USE STRICTLY IN ACCORDANCE WITH PRECAUTIONARY STATEMENTS AND DIRECTIONS AND WITH APPLICABLE STATE REGULATIONS.

Read label of pesticide carefully. Keep container tightly closed and DO NOT allow water to be introduced to contents of this container.

GENERAL INFORMATION

COMPETITOR is a Modified Vegetable Oil containing a non-ionic emulsifier system. COMPETITOR can be used with products where a modified vegetable oil or crop oil concentrate is recommended.

PREPARATION OF SPRAY MATERIAL

Fill spray tank one-half full of water. Add the required amount of pesticide while agitating. Add remainder of the water. Add the recommended amount of COMPETITOR last and continue agitation until completion of spraying.

NET CONTENTS: _____ GALLON(S)

Manufactured by:

WILBUR-ELLIS COMPANY
PO BOX 16458 - FRESNO CA 93755

WARRANTY STATEMENT: WILBUR-ELLIS COMPANY warrants that this product conforms to the chemical description on the label thereof and is reasonably fit for purposes stated on such label only when used in accordance with directions under normal use conditions. It is impossible to eliminate all risks inherently associated with use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials or the manner of use or application, all of which are beyond the control of WILBUR-ELLIS COMPANY. In no case shall WILBUR-ELLIS COMPANY be liable for consequential, special or indirect damages resulting from the use or handling of this product. All such risks shall be assumed by the Buyer. The exclusive remedy of any buyer or user of this product for any and all losses, injuries, or damages resulting from or in any way arising from the use, handling or application of this product, whether in contract, warranty, tort, negligence, strict liability or otherwise, shall not exceed the purchase price paid for this product or at WILBUR-ELLIS COMPANY'S election, the replacement of this product. WILBUR-ELLIS COMPANY MAKES NO WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE NOR ANY OTHER EXPRESS OR IMPLIED WARRANTY EXCEPT AS STATED ABOVE.

WILBUR-ELLIS Logo®, IDEAS TO GROW WITH® and COMPETITOR® are registered trademarks of WILBUR-ELLIS Company.

F-033108

**IN CASE OF EMERGENCY,
CALL CHEMTREC: (800) 424-9300**