MATERIAL SAFETY DATA SHEET

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FOR ALL INTERNATIONAL TRANSPORTATION ACCIDENTS. . . . . .1-703-527-3887 (collect)

Health: 2 **Flammability: 3** **Reactivity 0**

PRODUCT NAME: B503-04A2 Yellow Maple Solar Lux Stain

I. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

REVISION DATE:	16/09/03
SUPERCEDES:	26/02/02
MSDS NO.	B503-04A2

II. COMPOSITION/INFORMATION ON INGREDIENTS

CHEMICAL NAME	%	CAS #	PEL
Methanol	71-80	67-56-1	200 ppm TWA; 260 mg/m3 TWA
Diethylene glycol monoethyl ether	11-20	111-90-0	No PEL established
Diethylene glycol mono-n-butyl ether	1-10	112-34-5	No PEL established
chromium	<1	7440-47-3	Chromium, sol. chromic, chromous salts (as Cr): 0.5 mg/m3 TWA; Chromium, metal and insoluble salts (as Cr): 1 mg/m3 TWA

III. HAZARDS IDENTIFICATION

Routes of Entry: Inhalation., Absorption., Ingestion., Skin contact., Eye contact.
Medical Conditions Aggravated: Eye disease. Skin disease including eczema and sensitization. Digestive tract disease. Respiratory disease including asthma and bronchitis.

Immediate (Acute) Health Effects

Inhalation: Treat as nuisance particulates Can cause moderate respiratory irritation, dizziness, weakness, fatigue, nausea and headache.

Skin Contact: Can cause minor skin irritation, defatting, and dermatitis. No hazard in normal industrial use.

Eye Contact: No hazard in normal industrial use.

Skin Absorption: Contains methanol. Upon prolonged or repeated exposure, may cause deterioration of the optic nerve if large quantities are absorbed through the skin. Repeated absorption of large quantities may lead to blindness. No absorption hazard in normal industrial use.

Ingestion: Ingestion of this product may result in central nervous system effects including headache, sleepiness, dizziness, slurred speech and blurred vision. Irritating to mouth, throat, and stomach. Can cause abdominal discomfort, nausea, vomiting and diarrhea.

Target Organ Acute Toxicity:

Methyl alcohol	skin, eyes, CNS, GI tract, respiratory system
Chromium metal	respiratory system, skin, eyes

Long-Term (Chronic) Health Effects:

Carcinogenicity: None of the substances have been shown to cause cancer in long term animal studies. Not a carcinogen according to NTP, IARC, or OSHA.

Mutagenicity: No data available to indicate product or any components present at greater than 0.1% is mutagenic or genotoxic.

Inhalation: Upon prolonged and/or repeated exposure, can cause moderate respiratory irritation, dizziness, weakness, fatigue, nausea and headache.

Skin Contact: Upon prolonged or repeated contact, can cause minor skin irritation, defatting, and dermatitis.

Eye Contact: Upon prolonged or repeated contact, can cause moderate to severe eye injury. Eye contact may result in tearing and reddening, but not likely to permanently injure eye tissue. Temporary vision impairment (cloudy or blurred vision) is possible.

Skin Absorption: Upon prolonged or repeated exposure, harmful if absorbed through the skin. May cause severe irritation and systemic damage.

Target Organ Chronic Toxicity: Eyes. Skin. Digestive Tract. Nervous System. Respiratory Tract.

Supplemental Health Hazard Information: No additional health information available.

IV. FIRST AID

Inhalation: Remove to fresh air. Get medical attention. This material does not present a hazard if inhaled. Remove individual to fresh air after an airborne exposure if any symptoms develop, as a precautionary measure.

Eyes: Immediately flush eyes with plenty of water. Get medical attention, if irritation persists. Immediately flush eyes with plenty of water for at least 20 minutes retracting eyelids often. Tilt the head to prevent chemical from transferring to the uncontaminated eye. Get immediate medical attention and monitor the eye daily as advised by your physician.

Skin Contact: Wash exposed areas thoroughly with soap and water until chemical is removed. Removed contaminated clothing and launder before reuse. Wash with soap and water. Get medical attention if irritation develops or persists.

Ingestion:	No hazard in normal industrial use. Do not induce vomiting. Seek medical attention if symptoms develop. Provide medical care provider with this MSDS.
Notes to MD:	No additional first aid information available.

V. FIRE FIGHTING MEASURES

Flammability Summary:

Flash Point:	54 (CALC.) ^{o}F
Upper Flammable/Explosive Limit, % in air:	9.0 @ 77° F
Lower Flammable/Explosive Limit, % in air:	1.2 @ 77° F
Fire Hazards:	Vapors are heavier than air and can travel to a source of ignition and flash back. Empty containers that retain product residue (liquid, solid/sludge, or vapor) can be dangerous. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose container to heat, flame, sparks, static electricity, or other sources of ignition. Any of these actions can potentially cause an explosion that may lead to injury or death. Material may be ignited if preheated to temperatures above the flash point in the presence of a source of ignition.
Extinguishing Media:	Use methods suitable to fight surrounding fire.
Fire Fighting Instructions:	Water spray may be used to cool containers however be careful not to spread the fire with the water used for cooling purposes. Use methods for the surrounding fire.Do not enter fire area without proper protection including self-contained breathing apparatus and full protective equipment. Fight fire from a safe distance and a protected location due to the potential of hazardous vapors and decomposition products.
Hazardous Combustion Products:	Carbon monoxide

VI. ACCIDENTAL RELEASE MEASURES

Health Consideration for Spill Response:	Exposure to the spilled material may be irritating or harmful. Follow personal protective equipment recommendations found in Section VIII of this MSDS. Additional precautions may be necessary based on special circumstances created by the spill including; the material spilled, the quantity of the spill, the area in which the spill occurred. Also consider the expertise of employees in the area responding to the spill.
Spill Mitigation Procedures General Methods:	Prevent the spread of any spill to minimize harm to human health and the environment if safe to do so. Wear complete and proper personal protective equipment following the recommendation of Section VIII at a minimum. Dike with suitable absorbent material like granulated clay. Gather and store in a sealed container pending a waste disposal evaluation.

VII. HANDLING AND STORAGE

Handling:	Wash thoroughly after handling. Keep in air-tight containers- material is hygroscopic. Do not reuse containers. Avoid breathing vapors from heated material. Harmful or irritating material. Avoid contact and avoid breathing the material. Use only in a well ventilated area.

Storage: Store this product in air-tight containers. Keep away from heat, sparks, and flame. Store in a cool dry ventilated location. Isolate from incompatible materials and conditions. Keep container(s) closed.

VIII. ENGINEERING CONTROLS AND PERSONAL PROTECTIVE EQUIPMENT

Engineering Controls: Facilities storing or using this material should be equipped with an eyewash and safety shower. Engineering controls must be designed to meet the OSHA chemical specific standard in 29 CFR 1910. Local exhaust. No exposure limits exist for the constituents of this product. Use local exhaust ventilation or other engineering controls to minimize exposures and maintain operator comfort.

Protective Equipment

Respiratory Tract: Respirators should be selected by and used under the direction of a trained health and safety professional following requirements found in OSHA's respirator standard (29 CFR 1910.134) and ANSI's standard for respiratory protection (Z88.2-1992). A written respiratory protection program, including provisions for medical certification, training, fit testing, exposure assessments, maintenance, inspection, cleaning, and convenient, sanitary storage should be implemented.

Eyes: Wear chemically resistant safety glasses with side shields when handling this product. Wear additional eye protection such as chemical splash goggles and/or face shield when the possibility exists for eye contact with splashing or spraying liquid, or airborne material. Do not wear contact lenses. Have an eye wash station available.

Skin: Avoid skin contact by wearing chemically resistant gloves, an apron and other protective equipment depending upon conditions of use. Inspect gloves for chemical break-through and replace at regular intervals. Clean protective equipment regularly. Wash hands and other exposed areas with mild soap and water before eating, drinking, and when leaving work.

IX. PHYSICAL DATA

Physical State:	COLORED LIQUID
Odor:	MODERATELY STRONG ALCOHOL
Solids Vol %:	1.595
Solids Wt %:	3.2774
Material VOC lbs/gal:	6.3487
Material VOC gms/l:	762.4264
Coatings VOC lbs/gal:	6.7389
Coatings VOC gms/l:	809.286
Weight per gallon:	7.0963

X. STABILITY AND REACTIVITY

Stability Information: Stable. Stable under normal conditions.

Conditions to Avoid: Contact with water. None known.

Chemical Incompatibility: Water.

Hazardous Polymerization: Hazardous Polymerization will not occur.

XI. TOXICOLOGICAL INFORMATION

Chemical Name	CAS Number	LD50/LC50
Methanol	67-56-1	Inhalation LC50 Rat : 64000 ppm/4H; Oral LD50 Rat : 5628 mg/kg; Oral LD50 Mouse : 7300 mg/kg; Dermal LD50 Rabbit : 15800 mg/kg
Ethanol, 2-(2-ethoxyethoxy)-	111-90-0	Oral LD50 Rat : 5500 mg/kg; Oral LD50 Mouse : 6600 mg/kg; Dermal LD50 Rabbit : 4200 uL/kg
Ethanol, 2-(2-butoxyethoxy)-	112-34-5	Oral LD50 Rat : 5660 mg/kg; Oral LD50 Mouse : 2400 mg/kg; Dermal LD50 Rabbit : 2700 mg/kg

XII. ECOLOGICAL INFORMATION

Overview (for ingredients): No data available. This material is not expected to be harmful to the ecology.

XIII. DISPOSAL CONSIDERATIONS

Waste Description for Spent Product: Spent or discarded material is a hazardous waste. Spent or discarded material is not expected to be a hazardous waste. Spent or discarded material may be a hazardous waste.

Disposal Methods: Perform waste water treatment. Dispose of by incineration following Federal, State, Local, or Provincial regulations.

Potential EPA Waste Codes: If discarded, this product is considered a RCRA ignitable waste, D001.

Components Subject to USEPA Land Disposal Restrictions:

Methanol	67-56-1	73.4 %
Chromium (total)	7440-47-3	0.16 %

XIV. TRANSPORTATION INFORMATION

DOT Paint, 3, UN 1263, II

XV. REGULATORY INFORMATION

Chemical Name	Regulation	CASRN	%
Methanol	SARA 313 Reportable:	67-56-1	73.4
Chromium	SARA 313 Reportable:	7440-47-3	0.16
Methanol	New Jersey Right To Know:	67-56-1	73.4
Diethylene glycol monoethyl ether	New Jersey Right To Know:	111-90-0	15.13
Pigment	New Jersey Right To Know:	PROPRIETARY	1.57
Diethylene glycol mono-n-butyl ether	New Jersey Right To Know:	112-34-5	1.14
chromium	New Jersey Right To Know:	7440-47-3	0.16

XVI. ADDITIONAL INFORMATION

Other Information: IMPORTANT: WHILE THE DESCRIPTIONS, DATA AND INFORMATION CONTAINED HEREIN ARE PRESENTED IN GOOD FAITH AND BELIEVED TO BE ACCURATE, IT IS PROVIDED FOR YOUR GUIDANCE ONLY. BECAUSE MANY FACTORS MAY AFFECT PROCESSING OR APPLICATION/USE, WE RECOMMEND THAT YOU PERFORM AN ASSESSMENT TO DETERMINE THE SUITABILITY OF A PRODUCT FOR YOUR PARTICULAR PURPOSE PRIOR TO USE. NO WARRANTIES OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING FITNESS FOR A PARTICULAR PURPOSE, ARE MADE REGARDING PRODUCTS DESCRIBED, DATA OR INFORMATION SET FORTH. IN NO CASE SHALL THE DESCRIPTIONS, INFORMATION,OR DATA PROVIDED BE CONSIDERED A PART OF OUR TERMS AND CONDITIONS OF SALE. FURTHER, THE DESCRIPTIONS, DATA AND INFORMATION FURNISHED HEREUNDER ARE GIVEN GRATIS. NO OBLIGATION OR LIABILITY FOR THE DESCRIPTION, DATA AND INFORMATION GIVEN ARE ASSUMED. ALL SUCH BEING GIVEN AND ACCEPTED AT YOUR RISK.

MSDS glossary.