

Safety Data Sheet

A4003-5

5/2016

PRODUCT IDENTIFICATION

Product Name: DURACHEM - CLEAR VARNISH #Y291 Product Code: T-125291G

SEAGRAVE COATINGS CORP.
209 NORTH MICHIGAN AVE
KENILWORTH N.J.07033

A4003-5

Product Use: INDUSTRIAL USE

Section 2 - Hazards Identification

GHS Ratings:

Flammable liquid	2	Flash point < 23°C and initial boiling point > 35°C (95°F)
Skin corrosive	2	Reversible adverse effects in dermal tissue, Draize score: >= 2.3 < 4.0 or persistent inflammation
Eye corrosive	1	Serious eye damage: Irreversible damage 21 days after exposure, Draize score: Corneal opacity >= 3, Iritis > 1.5
Carcinogen	2	Limited evidence of human or animal carcinogenicity
Reproductive toxin	1A	Based on human evidence
Aspiration hazard	1	Aspiration Toxicity Category 1: Known (regarded)- human evidence - hydrocarbons with kinematic viscosity ? 20.5 mm ² /s at 40° C.

GHS Hazards

H225	Highly flammable liquid and vapour
H304	May be fatal if swallowed and enters airways
H315	Causes skin irritation
H318	Causes serious eye damage
H351	Suspected of causing cancer
H360	May damage fertility or the unborn child

GHS Precautions

P201	Obtain special instructions before use
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
P233	Keep container tightly closed
P240	Ground/bond container and receiving equipment
P241	Use explosion-proof electrical/ventilating/light/.../equipment
P242	Use only non-sparking tools
P243	Take precautionary measures against static discharge
P264	Wash ... thoroughly after handling
P280	Wear protective gloves/protective clothing/eye protection/face protection
P281	Use personal protective equipment as required
P310	Immediately call a POISON CENTER or doctor/physician
P321	Specific treatment (see ... on this label)
P331	Do NOT induce vomiting
P362	Take off contaminated clothing and wash before reuse
P301+P310	IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician
P302+P352	IF ON SKIN: Wash with soap and water
P303+P361+P353	IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower

P305+P351+P338 IF IN EYES: Rinse continuously 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
P332+P313 If skin irritation occurs: Get medical advice/attention
P370+P378 In case of fire: Use ... for extinction
P405 Store locked up
P403+P235 Store in a well ventilated place. Keep cool
P501 Dispose of contents/container to ...

Signal Word: Danger



Section 3 - Composition / Information on Ingredients

Chemical Name	CAS number	Weight Concentration %
ACETIC ACID,2-METHOXY1_METHYLETHYLESTER	108-65-6	31.70%
XYLENE		20.82%
EPOXY RESIN	25036-25-3	15.49%
TOLUENE	108-88-3	12.12%
N-BUTANOL	71-36-3	11.96%
PROPRIETARY	PROPRIETARY	6.06%
ETHYLBENZENE	100-41-4	0.10%

Section 4 - First Aid Measures

If affected by inhalation of vapors or spray mist, remove to fresh air and get immediate medical attention.

In case of eye contact, flush immediately with plenty of water for at least 15 minutes and get immediate medical attention.

If contact wash thoroughly with soap and water and flush skin with plenty of water for at least 15 minutes while removing contaminated clothing/shoes. Get immediate medical attention and wash clothing before reuse. Destroy Shoes.

If Swallowed get immediate medical attention.

Section 5 - Fire Fighting Measures

Flash Point: 4 C (39 F)

LEL: 1.00

UEL:

fire and explosion hazard data

EXTINGUISHING MEDIA: Use carbon dioxide (CO₂), "alcohol" foam, dry chemical, or water spray/water fog extinguishing systems.

special fire fighting proedures: use niosh/msha approved gas amsh for fire fighting prsonal, water may be used to cool containers. if water is used fog nozzles are preferred.

Section 6 - Accidental Release Measures

SPILL AND LEAK PROCEDURES: Spill supervisor - Ensure cleanup personnel wear all appropriate Personal Protective Equipment (PPE), including respiratory protection. Remove all ignition sources. Keep nonessential personnel away from the contaminated area.

see supervisor

Follow prescribed recommended facility procedure.

Section 7 - Handling and Storage

RESPIRATORY PROTECTION: NIOSH/OSHA APPROVED RESPIRATOR TYPES SUITABLE FOR MATERIALS IN SECTION 2 RECOMMENDED. APPROVED CHEMICAL FILTERS RECOMMENDED WHEN VENTILATION IS RESTRICTED.
 VENTILATION: SUFFICIENT, IN VOLUME AND PATTERN SHOULD BE PROVIDED TO KEEP AIR CONTAMINATION BELOW CURRENT APPLICABLE OSHA PERMISSIBLE EXPOSURE LIMIT OR ACGIH'S LIMIT. USE WITH ADEQUATE VENTILATION.
 PROTECTIVE GLOVES: RECOMMENDED FOR PROLONGED OR REPEATED CONTACT. CHEMICAL RESISTANT PLASTIC OR RUBBER
 EYE PROTECTION. CHEMICAL GOGGLES WITH SIDE SHIELDS OR FACE SHIELD RECOMMENDED. AVOID CONTACT WITH EYES
 OTHER PROTECTIVE EQUIPMENT: EYE BATH AND SAFETY SHOWER.
 HYGIENIC PRACTICES: AVOID CONTACT WITH EYES, SKIN AND CLOTHING. WASH THOROUGHLY AFTER HANDLING.
 PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: STORE AWAY FROM HEAT, SPARKS AND OPEN FLAME. AVOID PROLONGED SKIN CONTACT. DO NOT BREATHE SPRAY MIST. STORE IN A COOL DRY AREA WITH VENTILATION SUITABLE FOR MATERIALS SHOWN IN SECTION II.
 OTHER PRECAUTIONS: GROUND CONTAINERS WHILE POURING. AVOID SPONTANEOUS COMBUSTION OR CONTAMINATED RAGS OR OTHER ORGANIC MATERIALS. EMPTY CONTAINERS MAY BE RETAIN HAZARDOUS PROPERTIES AND CAN BE DANGEROUS.

Section 8 - Exposure Controls / Personal Protection

Chemical Name / CAS No.	OSHA Exposure Limits	ACGIH Exposure Limits	Other Exposure Limits
ACETIC ACID, 2-METHOXY-1-METHYLETHYLESTER 108-65-6	Not Established	Not Established	Not Established
XYLENE	100 ppm TWA; 435 mg/m ³ TWA	150 ppm STEL 100 ppm TWA	Not Established
EPOXY RESIN 25036-25-3	Not Established	Not Established	Not Established
TOLUENE 108-88-3	200 ppm TWA	20 ppm TWA	NIOSH: 100 ppm TWA; 375 mg/m ³ TWA 150 ppm STEL; 560 mg/m ³ STEL
N-BUTANOL 71-36-3	100 ppm TWA; 300 mg/m ³ TWA	20 ppm TWA	NIOSH: 50 ppm Ceiling; 150 mg/m ³ Ceiling
PROPRIETARY PROPRIETARY	Not Established	Not Established	Not Established
ETHYLBENZENE 100-41-4	100 ppm TWA; 435 mg/m ³ TWA	20 ppm TWA	NIOSH: 100 ppm TWA; 435 mg/m ³ TWA 125 ppm STEL; 545 mg/m ³ STEL

Use explosion proof equipment and good manufacturing practices

Use only with adequate ventilation.

Follow guidelines as stated on the formula carefully.

Personal protective equipment for the body should be selected based on the task being performed and the risks involved before handling this product.

Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing.

SECTION 9-PHYSICAL AND CHEMICAL PROPERTIES

Boiling Range 111 to 141 °C Density, lbg/l 7.9 lbs/gl Non-Volatile by Volume 17.2 Percent VOC Percent by Volume 82.8 Percent VOCs, lbg/l 6.2 lbs/gl	Specific Gravity (SG) 0.949 Non-Volatile by Weight 21.8 Percent VOC Percent by Weight 78.3 Percent N/A VOCs gram/liter 743 g/l
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Section 10 - Stability and Reactivity

UNSTABLE

Hazardous polymerization will not occur.

Section 11 - Toxicological Information

Mixture Toxicity

Oral Toxicity LD50: 3,183mg/kg
Inhalation Toxicity LC50: 59mg/L

Component Toxicity

108-88-3	TOLUENE Oral LD50: 2,600 mg/kg (Rat) Inhalation LC50: 13 mg/L (Rat)
71-36-3	N-BUTANOL Oral LD50: 700 mg/kg (Rat) Dermal LD50: 3,402 mg/kg (Rabbit)
100-41-4	ETHYLBENZENE Oral LD50: 3,500 mg/kg (Rat) Inhalation LC50: 17 mg/L (Rat)

Eyes Kidneys Liver Central Nervous System Skin Respiratory System

Effects of Overexposure

<u>CAS Number</u>	<u>Description</u>	<u>% Weight</u>	<u>Carcinogen Rating</u>
100-41-4	ETHYLBENZENE	0.103	ETHYLBENZENE: IARC: Possible human carcinogen OSHA: listed

Section-12 Ecological Information

Component Ecotoxicity

ACETIC ACID,2-METHOXY1_METHYLETHYLES TER	96 Hr LC50 Pimephales promelas: 161 mg/L [static] 48 Hr EC50 Daphnia magna: >500 mg/L
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XYLENE 96 Hr LC50 Pimephales promelas: 13.4 mg/L [flow-through]; 96 Hr LC50 Oncorhynchus mykiss: 2.661 - 4.093 mg/L [static]; 96 Hr LC50 Oncorhynchus mykiss: 13.5 - 17.3 mg/L; 96 Hr LC50 Lepomis macrochirus: 13.1 - 16.5 mg/L [flow-through]; 96 Hr LC50 Lepomis macrochirus: 19 mg/L; 96 Hr LC50 Lepomis macrochirus: 7.711 - 9.591 mg/L [static]; 96 Hr LC50 Pimephales promelas: 23.53 - 29.97 mg/L [static]; 96 Hr LC50 Cyprinus carpio: 780 mg/L [semi-static]; 96 Hr LC50 Cyprinus carpio: >780 mg/L; 96 Hr LC50 Poecilia reticulata: 30.26 - 40.75 mg/L [static]
48 Hr EC50 water flea: 3.82 mg/L; 48 Hr LC50 Gammarus lacustris: 0.6 mg/L

TOLUENE 96 Hr LC50 Pimephales promelas: 15.22 - 19.05 mg/L [flow-through] (1 day old) ; 96 Hr LC50 Pimephales promelas: 12.6 mg/L [static]; 96 Hr LC50 Oncorhynchus mykiss: 5.89 - 7.81 mg/L [flow-through]; 96 Hr LC50 Oncorhynchus mykiss: 14.1 - 17.16 mg/L [static]; 96 Hr LC50 Oncorhynchus mykiss: 5.8 mg/L [semi-static]; 96 Hr LC50 Lepomis macrochirus: 11.0 - 15.0 mg/L [static]; 96 Hr LC50 Oryzias latipes: 54 mg/L [static]; 96 Hr LC50 Poecilia reticulata: 28.2 mg/L [semi-static]; 96 Hr LC50 Poecilia reticulata: 50.87 - 70.34 mg/L [static]
48 Hr EC50 Daphnia magna: 5.46 - 9.83 mg/L [Static]; 48 Hr EC50 Daphnia magna: 11.5 mg/L
96 Hr EC50 Pseudokirchneriella subcapitata: >433 mg/L; 72 Hr EC50 Pseudokirchneriella subcapitata: 12.5 mg/L [static]

N-BUTANOL 96 Hr LC50 Pimephales promelas: 1730 - 1910 mg/L [static]; 96 Hr LC50 Pimephales promelas: 1740 mg/L [flow-through]; 96 Hr LC50 Lepomis macrochirus: 100000 - 500000 µg/L [static]; 96 Hr LC50 Pimephales promelas: 1910000 µg/L [static]
48 Hr EC50 Daphnia magna: 1983 mg/L; 48 Hr EC50 Daphnia magna: 1897 - 2072 mg/L [Static]
96 Hr EC50 Desmodesmus subspicatus: >500 mg/L; 72 Hr EC50 Desmodesmus subspicatus: >500 mg/L

ETHYLBENZENE 96 Hr LC50 Oncorhynchus mykiss: 11.0 - 18.0 mg/L [static]; 96 Hr LC50 Oncorhynchus mykiss: 4.2 mg/L [semi-static]; 96 Hr LC50 Pimephales promelas: 7.55 - 11 mg/L [flow-through]; 96 Hr LC50 Lepomis macrochirus: 32 mg/L [static]; 96 Hr LC50 Pimephales promelas: 9.1 - 15.6 mg/L [static]; 96 Hr LC50 Poecilia reticulata: 9.6 mg/L [static]
48 Hr EC50 Daphnia magna: 1.8 - 2.4 mg/L
72 Hr EC50 Pseudokirchneriella subcapitata: 4.6 mg/L; 96 Hr EC50 Pseudokirchneriella subcapitata: >438 mg/L; 72 Hr EC50 Pseudokirchneriella subcapitata: 2.6 - 11.3 mg/L [static]; 96 Hr EC50 Pseudokirchneriella subcapitata: 1.7 - 7.6 mg/L [static]

Section 13- Disposal Considerations

As the US EPA, State, regional, and other regulatory agencies may have jurisdiction over the disposal of your facility's hazardous waste. It is incumbent upon you, the hazardous waste generator, to learn of and satisfy all the requirements which affect you. Dispose of the hazardous waste at a properly licensed and permitted disposal site or facility. Ensure conformity to all applicable hazardous waste disposal regulations.

The US EPA Hazardous Waste Numbers which follow are applicable to this unadulterated product if the product enters the "waste stream" Refer to the Title 40 of the Code of Federal Regulations, part 261 (40 CFR 261) This part of the Code identifies solid wastes which are subject to regulation under various sections of the Code and which are subject to the notification requirements of Section 3010 of the Resource Conservation and Recovery Act (RCRA)

Section 14- Transport Information

Not Applicable

<u>Agency</u>	<u>Proper Shipping Name</u>	<u>UN Number</u>	<u>Packing Group</u>	<u>Hazard Class</u>
DOT/IATA	PAINT	UN1263	PGII	3

Section 15- Regulatory information

Additional regulatory listings where applicable

Country

Regulation

All Components Listed

EU Risk Phrases

Safety Phrase

- None

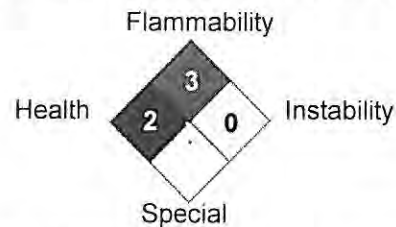
Section 16- Other Information

Hazardous Material Information System (HMIS)

National Fire Protection Association (NFPA)

HEALTH	2
FLAMMABILITY	3
PHYSICAL HAZARD	0
PERSONAL PROTECTION	X

HMIS & NFPA Hazard Rating Legend
 * = Chronic Health Hazard
 0 = INSIGNIFICANT
 1 = SLIGHT
 2 = MODERATE
 3 = HIGH



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Reviewer Revision

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