

# SAFETY DATA SHEET

## 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: QUANTUM99 ACCELERATOR SOLUTION Product Code: 99-X-105

**MANUFACTURER:**  
Engineered Marine Coatings, INC

**EMERGENCY PHONE:** 1-800-255-3924 (CHEMTEL)

**MANUFACTURING ADDRESS:**  
4120 Hyde Park Blvd.  
Niagara Falls, NY 14305

**INFORMATION PHONE:** 1-855-54GENIUS

**CORPORATE ADDRESS:**  
PO Box 921  
Isle of Palms, SC 29451

Product Use: PROFESSIONAL USE ONLY  
Not recommended for:

## 2. HAZARD(S) IDENTIFICATION

### GHS Ratings:

Oral Toxicity	Acute Tox. 4	Oral>300+<=2000mg/kg
Dermal Toxicity	Acute Tox. 3	Dermal>200+<=1000mg/kg
Inhalation Toxicity	Acute Tox. 3	Gases>500+<=2500ppm, Vapors>2+<=10mg/l, Dusts&mists>0.5+<=1mg/l
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
Skin sensitizer	1	Skin sensitizer
Mutagen	2	Suspected/Possible: May include heritable mutations in human germ cells, Positive evidence from tests in mammals and somatic cell tests, In vivo somatic genotoxicity supported by in vitro mutagenicity
Reproductive toxin	1B	Presumed, Based on experimental animals

### GHS Hazards

H302	Harmful if swallowed
H311	Toxic in contact with skin
H315	Causes skin irritation
H317	May cause an allergic skin reaction
H318	Causes serious eye damage
H331	Toxic if inhaled
H341	Suspected of causing genetic defects
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
P261	Avoid breathing dust/fume/gas/mist/vapours/spray
P264	Wash hands thoroughly after handling
P270	Do not eat, drink or smoke when using this product
P271	Use only outdoors or in a well-ventilated area

P272	Contaminated work clothing should not be allowed out of the workplace
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
P311	Call a POISON CENTER or doctor/physician
P312	Call a POISON CENTER or doctor/physician if you feel unwell
P321	Specific treatment (see precautionary statements on this label)
P322	Specific measures (see ... on this label)
P330	Rinse mouth
P361	Remove/Take off immediately all contaminated clothing
P362	Take off contaminated clothing and wash before reuse
P363	Wash contaminated clothing before reuse
P301+P312	IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell
P302+P352	IF ON SKIN: Wash with plenty of soap and water.
P304+P340	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P305+P351+P338	IF IN EYES: Rinse cautiously 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.
P333+P313	If skin irritation or rash occurs: Get medical advice/attention.
P405	Store locked up
P403+P233	Store in a well ventilated place. Keep container tightly closed
P501	Dispose of contents/container to an approved waste disposal plant.

Signal Word: **Danger**



### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS number	Weight Concentration %
pentane-2, 4-dione	123-54-6	90.00% - 100.00%
Dibutyltin dilaurate	77-58-7	1.00% - 5.00%

### 4. FIRST AID MEASURES

#### INHALATION:

Move to an area free from risk of further exposure. Administer oxygen or artificial respiration as needed. Obtain medical attention. Asthmatic-type systems may develop and may be immediate or delayed up to several hours. Treatment is essentially symptomatic. Consult a physician.

#### EYES:

Flush with clean, lukewarm water (low pressure) for at least 15 minutes, while lifting eyelids. Refer individual to physician or ophthalmologist for immediate follow-up.

#### SKIN:

First aid for skin: Remove contaminated clothing immediately. Wash affected areas thoroughly with soap and water. Wash contaminated clothing thoroughly before reuse. For severe exposures, get under safety shower

after removing clothing, then get medical attention. Seek medical attention if irritation develops or persists.

**INGESTION:**

DO NOT INDUCE VOMITING. Give 1 to 2 cups of mil or water to drink. DO NOT GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS OR CONVULSING PERSON. Consult physician immediately.

**5. FIRE-FIGHTING MEASURES**

Flash Point: 113 C (235 F)

LEL: 2.00

UEL: 11.00

**EXTINGUISHING MEDIA:** Use water spray to cool fire exposed surfaces and to protect personnel. Isolate "fuel" supply from fire. Use foam, dry chemical, carbon dioxide, or water spray as last option. Avoid spraying water directly into storage containers due to the danger of boilover.

**HAZARDOUS COMBUSTION PRODUCTS:** Fires involving this product may release fumes, smoke, carbon dioxide, carbon monoxide, and irritating vapors.

**FIRE FIGHTING INSTRUCTIONS:** Wear self-contained breathing apparatus and protective clothing. Use water spray to keep fire-exposed containers cool. Water may be ineffective in fighting fire. Vapors may cause a flash fire or ignite explosively. Either the liquid or vapor may settle in low areas or travel some distance along the ground or surface to ignition sources where they may ignite or explode.

**6. ACCIDENTAL RELEASE MEASURES**

**SMALL SPILL:**

Eliminate all ignition sources. Absorb spill with vermiculite or other inert material, then place in a container for chemical waste.

**LARGE SPILL:**

Evacuate all non-essential personnel. Remove all sources of ignition. Ventilate the area. Equip employees with appropriate protection equipment. Dike around spilled material. Cover spill with inert absorbent material and shovel with non-sparking tools into container. Remove containers to a safe area and seal. Waste material must be disposed of in accordance with federal, state, and local environmental regulatory controls.

**7. HANDLING AND STORAGE**

**HANDLING:** Ground lines and equipment during transfer to reduce the possibility of static spark-initiated fire or explosion. Use non-sparking tools. Do not cut, grind, drill, weld, or reuse containers unless adequate precautions are taken against these hazards. Do not eat, drink, or smoke in areas of use or storage.

**STORAGE:** Protect against physical damage. Store in a cool dry place. Outside or detached storage preferred. Inside storage should be in a standard flammable liquid storage room or cabinet. All equipment should be grounded and bonded to reduce static electricity hazard. Use non-sparking tools. Do not reuse empty product container for any purpose.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

Chemical Name / CAS No.	OSHA Exposure Limits	ACGIH Exposure Limits	Other Exposure Limits
pentane-2, 4-dione 123-54-6	OSHA PEL Not Available	ACGIH TLV Not Available	Not Established

Dibutyltin dilaurate 77-58-7	TWA 0.1 mg/m3 USA. Occupational Exposure Limits (OSHA) - Table Z-1 Limits for Air Contaminants	TWA 0.1 mg/m3 STEL 0.2 mg/m3 USA. ACGIH Threshold Limit Values (TLV)	Not Established
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Good general ventilation (typically 10 air changes per hour) should be used to keep vapor levels below the limits in Section 2 and lower explosive limit in Section 5. Ventilation rates should be matched to conditions. Use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. Provide readily accessible eye wash stations and safety showers. Wash at the end of each workshift and before eating, smoking, or using the toilet. Promptly remove clothing that becomes contaminated.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

This mixture typically exhibits the following properties under normal circumstances:

<p><b>Flash point:</b> 235°F, 113°C</p> <p><b>Flammability:</b> Flammable Liquid, Class 2</p> <p><b>Partition coefficient (n-octanol/water):</b> No Data</p> <p><b>Decomposition temperature:</b> No Data</p> <p><b>Appearance:</b> Clear Liquid</p> <p><b>Vapor Pressure:</b> N/A</p> <p><b>Vapor Density:</b> N/A</p> <p><b>Specific Gravity:</b> 0.97</p> <p><b>Freezing point:</b> No Data</p> <p><b>Boiling range:</b> No Data</p>	<p><b>Evaporation rate:</b> No Data</p> <p><b>Explosive Limits:</b> 2% - 11%</p> <p><b>Autoignition temperature:</b> No Data</p> <p><b>Coating VOC (lbs/gal):</b> 7.88</p> <p><b>Odor:</b> Solvent</p> <p><b>Odor threshold:</b> No Data</p> <p><b>pH:</b> No Data</p> <p><b>Melting point:</b> No Data</p> <p><b>Solubility:</b> No Data</p>
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## 10. REACTIVITY AND STABILITY

STABLE

**Incompatibility:**

**Hazardous Decomposition:**

Hazardous polymerization will not occur.

## 11. TOXICOLOGICAL INFORMATION

**Mixture Toxicity**

Oral Toxicity LD50: 775mg/kg

Dermal Toxicity LD50: 805mg/kg

Inhalation Toxicity LC50: 5mg/L

**Component Toxicity**

123-54-6

pentane-2, 4-dione

Oral LD50: 760 mg/kg (RAT) Dermal LD50: 790 mg/kg (RABBIT) Inhalation LC50: 5 mg/L (RAT)

77-58-7

Dibutyltin dilaurate

Oral LD50: 2,071 mg/kg (RAT) Dermal LD50: 2,000 mg/kg (RAT)

**ROUTES OF ENTRY:**

Ingestion

Exposure to this material may affect the following organs:

**Effects of Overexposure**

The following ingredients are listed as possible carcinogens:

<u>CAS Number</u>	<u>Description</u>	<u>% Weight</u>	<u>Carcinogen Rating</u>
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**12. ECOLOGICAL INFORMATION**

This section will be updated as ecological reviews are complete.

**Component Ecotoxicity**

**13. DISPOSAL CONSIDERATIONS**

Waste material must be disposed of in accordance with all federal, state, and local environmental regulatory controls. Chemical additions, processing, or otherwise altering this material may make the waste management information presented in this SDS incomplete, inaccurate, or otherwise inappropriate.

**14. TRANSPORT**

<u>Agency</u>	<u>Proper Shipping Name</u>	<u>UN Number</u>	<u>Packing Group</u>	<u>Hazard Class</u>
DOT	PAINT RELATED MATERIAL	1263	III	3

**15. REGULATORY INFORMATION**

The regulatory information provided is not meant to be comprehensive. Other federal, state, and local regulation applies to this material.

<u>Country</u>	<u>Regulation</u>	<u>All Components Listed</u>
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**EU Risk Phrases**

**Safety Phrase**

- None

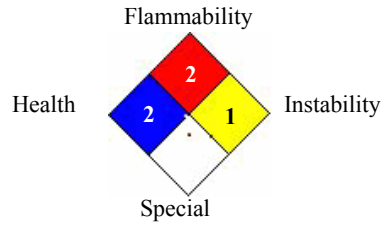
**16. OTHER INFORMATION**

**Hazardous Material Information System (HMIS)**

**National Fire Protection Association (NFPA)**

HEALTH	2
FLAMMABILITY	2
PHYSICAL HAZARD	1
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

