

# ELASTASEAL

Part B  
Hardener

**SDS** Revised March 2018  
Complies with OSHA HCS Standards  
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## Safety Data Sheet (Complies with OSHA HCS)

### Section 1: Identification

<b>Product identifier</b>	2100 Series Part B Coating and Lining (All Colors)
<b>Other means of identification</b>	ELASTASEAL, 2100EG
<b>Recommended use</b>	Not available
<b>Manufacturer/Importer/Supplier/Distributor information</b>	<b>Manufacturer Company Name</b>
<b>Company Name:</b>	Dynesic Technologies, Inc. 15230 Surveyor Blvd., Addison, TX 75001 Phone: 972-692-0962
<b>After hours telephone number</b>	Phone: 972-692-0962
<b>Website</b>	www.dynesic.com
<b>Email</b>	sphillips@dynesic.com
<b>Emergency 24 hour telephone</b>	CHEMTREC: North America 1-800-424-9300 International 1-800-527-3887
<b>Operation hours information</b>	7:00 a.m. to 7:00 p.m.

### Section 2: Hazard(s) Identification

<b>Physical hazards</b>	Not classified	
<b>Health hazards</b>	Skin corrosion/irritation	Category 1
	Serious eye damage/eye irritation	Category 1
	Sensitization, skin	Category 1
	Reproductive toxicity	Category 2
	Specific target organ , single exposure	Category 1
	Specific target organ , REPEATED	Category 1
<b>Environmental hazards</b>	Not classified	
<b>OSHA defined hazards</b>	Not classified	
<b>Label elements</b>		



**Signal word**  
**Hazard statement**

Danger  
Causes severe skin burns and eye damage. May cause an allergic skin reaction. Causes serious eye damage. May cause allergy or asthma symptoms or breathing difficulties if inhaled. Suspected of damaging fertility or the unborn child. Causes damage to organs. Causes damage to organs through prolonged or repeated exposure.

**Prevention**

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Avoid breathing dust/fume/gas/mist/vapors/spray. Wash thoroughly after handling. Contaminated work clothing must not be allowed out of the workplace. Wear protective gloves/protective clothing/eye protection/face protection. In case of inadequate ventilation wear respiratory protection.

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## Response

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Specific treatment see Section 4 of this SDS. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower. IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTER or doctor/physician. If skin irritation or rash occurs: Get medical advice/attention. Wash contaminated clothing before reuse.

## Storage

Store locked up.

## Disposal

Dispose of contents/container in accordance with local/regional/national/international regulations.

## Hazard(s) not otherwise classified (HNOC)

Not applicable

## Supplemental information

Not applicable

## Section 3: Composition/Information on Ingredients

### Mixtures

<b>Chemical name</b>	<b>CAS number</b>	<b>%</b>
2,4,6-TRIS(DIMETHYLAMINOMETHYL)PHENOL	90-72-2	30 - 50
4-METHYL-2-PENTANONE	108-10-1	30 - 50
Other components below reportable levels	20.66409	

## Section 4: First Aid Measures

### Inhalation

Move to fresh air. Call a physician if symptoms develop or persist.

### Skin contact

Wash off with soap and water. Get medical attention if irritation develops and persists. Wash contaminated clothing before reuse.

### Eye contact

Rinse with water. Continue to rinse for at least 15 minutes. Get medical attention if irritation persists after washing.

### Ingestion

Rinse mouth. Do not induce vomiting. If vomiting occurs, the head should be kept low so that stomach vomit doesn't enter the lungs. Call a POISON CENTER or doctor/physician if you feel unwell.

### Most important symptoms/effects, acute and delayed

Direct contact with eyes may cause temporary irritation.

### Indication of immediate medical attention and special treatment needed

Treat symptomatically.

### General information

Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

## Section 5: Fire-Fighting Measures

### Suitable extinguishing media

Water fog. Foam. Dry chemical powder. Carbon dioxide (CO2).

### Unsuitable extinguishing media

Do not use water jet as an extinguisher, as this will spread the fire.

### Specific hazards arising from the chemical

During fire, gases hazardous to health may be formed.

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## Special protective equipment and precautions for firefighters

Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

## Fire-fighting equipment/instructions

Move containers from fire area if you can do so without risk.

## Specific methods

Use standard firefighting procedures and consider the hazards of other involved materials.

## Section 6: Accidental Release Measures

### Personal precautions, protective equipment and emergency procedures

Keep unnecessary personnel away. For personal protection, see section 8 of the SDS.

### Methods and materials for containment and cleaning up

This material is classified as a water pollutant under the Clean Water Act and should be prevented from contaminating soil or from entering sewage and drainage systems which lead to waterways.

Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Cover with plastic sheet to prevent spreading. Absorb in vermiculite, dry sand or earth and place into containers. Following product recovery, flush area with water.

Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS.

### Environmental precautions

Avoid discharge into drains, water courses or onto the ground.

## Section 7: Section 7: Handling And Storage

### Precautions for safe handling

### Conditions for safe storage, including any incompatibilities

Avoid prolonged exposure. Observe good industrial hygiene practices. Store in original tightly closed container. Store away from incompatible materials (see Section 10 of the SDS).

## Section 8: Exposure Controls/Personal Protection

### Occupational exposure limits

US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

<b>Components</b>	<b>Type</b>	<b>Value</b>
4-METHYL-2-PENTANONE (CAS 108-10-1)	PEL	410 mg/m <sup>3</sup> 100 ppm
4-METHYL-2-PENTANONE (CAS 108-10-1)	STEL	75 ppm
4-METHYL-2-PENTANONE (CAS 108-10-1)	TWA	20 ppm
4-METHYL-2-PENTANONE (CAS 108-10-1)	STEL	300 mg/m <sup>3</sup> 75 ppm
	TWA	205 mg/m <sup>3</sup> 50 ppm

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## Biological limit values

### ACGIH Biological Exposure Indices

<u>Components</u>	<u>Value</u>	<u>Determinant</u>	<u>Specimen</u>
4-METHYL-2-PENTANONE (CAS 108-10-1)	1 mg/l	Methyl isobutyl ketone	Urine

### Appropriate engineering controls

Provide adequate ventilation, including appropriate local extraction, to ensure that the defined occupational exposure limit is not exceeded

### Individual protection measures, such as personal protective equipment

#### Eye/face protection

Wear safety glasses; chemical goggles (if splashing is possible).

#### Skin Protection, Hand protection

Chemical resistant gloves are recommended. If contact with forearms is likely wear gauntlet style gloves.

#### Other

Wear suitable protective clothing.

#### Respiratory protection

if engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn.

#### Thermal hazards

Wear appropriate thermal protective clothing, when necessary.

#### General hygiene considerations

Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

## Section 9: Physical and Chemical Properties

### Appearance

**Physical state**

Liquid

**Form**

Liquid

**Color**

Not available

### Odor

Not available

### Odor threshold

Not available

### PH

Not available

### Melting point/freezing point

-119.2 °F (-84 °C) estimated.

### Initial boiling point and boiling range

241.7 °F (116.5 °C) estimated

### Flash point

> 212.0 °F (> 100.0 °C)

### Evaporation rate

Not available

### Flammability (solid, gas)

Not available

### Upper/lower flammability or explosive limits

#### Flammability limit upper (%)

12% estimated

#### Explosive limit - lower (%)

Not available

#### Explosive limit - upper (%)

Not available

### Vapor pressure

Not Available

### Vapor density

Not available

### Relative density

Not available

### Solubility(ies) Solubility (water)

Not available

### Partition coefficient (n-octanol/water)

Not available

### Auto-ignition temperature

840 °F (448.89 °C) estimated

### Decomposition temperature

Not available

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<b>Viscosity</b>	Not available
<b>Other information</b>	
<b>Density</b>	8.43 lb/gal
<b>Specific gravity</b>	1.01 estimated

## Section 10: Stability and Reactivity

### Reactivity

The product is stable and non-reactive under normal conditions of use, storage and transport.

### Chemical stability

Material is stable under normal conditions.

### Possibility of hazardous reactions

Hazardous polymerization does not occur.

### Conditions to avoid

Avoid temperatures exceeding the flash point. Contact with incompatible materials.

### Incompatible materials

Strong oxidizing agents.

### Hazardous decomposition products

No hazardous decomposition products are known.

## Section 11: Toxicological Information

### Information on likely routes of exposure

<b>Ingestion</b>	May be harmful if swallowed.
<b>Inhalation</b>	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
<b>Skin contact</b>	Causes skin burns.
<b>Eye contact</b>	Causes eye damage.

### Symptoms related to the physical, chemical and toxicological characteristics

Direct contact with eyes may cause temporary irritation.

### Information on toxicological effects

#### Acute toxicity

<b>Components</b>	<b>Species</b>	<b>Test Results</b>
<b>Acute</b>		
<b>Dermal</b>		
LD50	Rabbit	> 16000 mg/kg
<b>Inhalation</b>		
LC50	Rat	8.2 mg/l, 4 Hours
<b>Oral</b>		
LD50	Rat	2080 mg/kg

\* Estimates for product may be based on additional component data not shown.

### Skin corrosion/irritation

Causes skin burns and eye damage

### Serious eye damage/eye irritation

Causes eye damage.

### Respiratory or skin sensitization

#### Respiratory sensitization

May cause allergy or asthma symptoms or breathing difficulties if inhaled.

#### Skin sensitization

May cause allergic skin disorders in sensitive individuals. This chemical may cause skin/eye irritation and burns.

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## Germ cell mutagenicity

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

## Carcinogenicity

This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA. This product contains crystalline silica. Silica is a known carcinogen; however in this encapsulated form the normal routes of exposure are unavailable.

## IARC Monographs. Overall Evaluation of Carcinogenicity

4-METHYL-2-PENTANONE (CAS 108-10-1) 2B Possibly carcinogenic to humans.

## US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not regulated

## US. National Toxicology Program (NTP) Report on Carcinogens

Not listed

## Reproductive toxicity

Suspected of damaging fertility or the unborn child.

## Specific target organ toxicity - single exposure

Causes damage to organs.

## Specific target organ toxicity - repeated exposure

May cause damage to organs through prolonged or repeated exposure..

## Aspiration hazard

Not available

## Chronic effects

Prolonged inhalation may be harmful.

## Section 12: Ecological Information

### Ecotoxicity

The product contains a substance which is toxic to aquatic organisms.

<u>Product</u>	<u>Species</u>	<u>Test Results</u>
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2100 Series Part A Coating and Lining (All Colors) (CAS Mixture)

### Aquatic

Fish	LC50	Fish	1266.2737 mg/l, 96 hours estimated.
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<u>Components</u>	<u>Species</u>	<u>Test Results</u>
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4-METHYL-2-PENTANONE (CAS 108-10-1)

Aquatic

Fish	LC50	Flathead minnow (Pimephales promelas)	492 - 593 mg/l, 96 hour
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\* Estimates for product may be based on additional component data not shown.

### Persistence and degradability

No data is available on the degradability of this product.

**Bioaccumulative potential** No data available

### Partition coefficient n-octanol / water (log Kow)

4-METHYL-2-PENTANONE 1.31

**Mobility in soil** No data available

### Other adverse effects

No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

## Section 13: Disposal Considerations

### Disposal instructions

When this product as supplied is to be discarded as waste, it does not meet the definition of a RCRA waste under 40 CFR 261.

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## Local disposal regulations

Dispose in accordance with all applicable regulations.

## Hazardous waste code

The waste code should be assigned in discussion between the user, the producer and the waste disposal company.

## Waste from residues / unused products

Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).

## Contaminated packaging

Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied.

## Section 14: Transportation Information

**DOT** Not regulated as dangerous goods.

**IATA** Not regulated as dangerous goods.

**IMDG** Not regulated as dangerous goods.

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**

Not available

## Section 15: Regulatory information

### US federal regulations

All components are on the U.S. EPA TSCA Inventory List.

**TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)**

Not regulated

**CERCLA Hazardous Substance List (40 CFR 302.4)**

4-METHYL-2-PENTANONE (CAS 108-10-1) Listed

**US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)**

Not regulated

**Superfund Amendments and Reauthorization Act of 1986 (SARA)**

**Hazard categories**

Immediate Hazard - Yes

Delayed Hazard - Yes

Fire Hazard - Yes

Pressure Hazard - No

Reactivity Hazard - No

**SARA 302 Extremely hazardous substance** Not listed

**SARA 311/312 Hazardous chemical** No

**SARA 313 (TRI reporting)**

<u>Chemical name</u>	<u>Cas number</u>	<u>% by wt.</u>
4-METHYL-2-PENTANONE	108-10-1	39.67

**Other federal regulations**

**Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List**

4-METHYL-2-PENTANONE (Cas 108-10-1)

**Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)** Not regulated

**Safe Drinking Water Act (SDWA)** Not regulated

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## US state regulations US - California Proposition 65 - CRT: Listed date/Carcinogenic substance

4-METHYL-2-PENTANONE (CAS 108-10-1) Listed: November 4, 2011

## US. California. Candidate Chemicals List. Safer Consumer Products Regulations (Cal. Code Regs, tit. 22, 69502.3, subd. (a))

4-METHYL-2-PENTANONE (CAS 108-10-1)

## 16. Other information, including date of preparation or last revision

**Issue date** 08-30-2016  
**Version #** 04  
**NFPA Ratings** Health: 3  
Flammability: 1  
Instability: 0

## Section 16: Other information

### Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance 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 materials or in any process, unless specified in the text.

### Revision information

Product and Company Identification: Synonyms Hazard(s) identification: Response



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