Dymalink® 636

Safety Data Sheet

According to Regulation 2012 OSHA Hazard Communication Standard; 29 CFR Part 1910.1200

Section 1: Identification

1.1. Product identifier

Product form : Substance

Product Identifier(s) : Dymalink® 636
Dymalink® 636 ABC123, where ABC123 can be any combination of letters and/or numbers

CAS-No. : 6292-01-9

1.2. Recommended use of the chemical and restrictions on use

Use of the substance/mixture : Elastomers

1.3. Details of the supplier of the safety data sheet

Resin Solutions, LLC
665 Stockton Drive, Suite 100
Exton, PA 19341

For non-emergency product information:
Phone: +1-484-284-8998
Email: product.stewardship@resinsolutions.com

1.4. Emergency telephone number

Emergency number : CHEMTREC: 1-800-424-9300 (Toll Free USA & Canada) / 703-527-3887 (Multiple languages)
Resin Solutions, LLC: +1-484-284-8989 (Language: English only)

Section 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (GHS-US)

Combustible Dust

Serious eye damage/eye irritation Category 2A

2.2. Label elements

GHS US labeling

Hazard pictograms (GHS-US) :

Signal word (GHS US) : Warning

Hazard statements (GHS-US) : **Causes serious eye irritation**
May form combustible dust concentrations in air

Precautionary statements (GHS-US) : Wash hands, forearms and face thoroughly after handling.
Wear eye protection.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
If eye irritation persists: Get medical advice/attention.

2.3. Hazards not otherwise classified

Other hazards which do not result in classification : Combustible Dust
Dust may form explosive mixture in air
Dust from this product may cause respiratory irritation
Repeated or prolonged contact may cause slight irritation to the skin.

2.4. Unknown acute toxicity (GHS-US)

Not applicable

2.5. Additional information

Based on conditions common to industrial workplace use of this product : See section 7: Handling and Storage

Based on professional judgment, inconclusive testing, or sensitive individuals : Dust from this product may cause respiratory irritation.
Repeated or prolonged contact may cause slight irritation to the skin

Section 3: Composition/Information on ingredients

3.1. Substance

Name	:	Dymalink® 636
CAS-No.	:	6292-01-9
Chemical name	:	Calcium diacrylate

3.2. Mixture

Not applicable

Section 4: First aid measures

4.1. Description of first aid measures

First-aid measures after inhalation	:	Remove victim to fresh air and keep at rest in a position comfortable for breathing.
First-aid measures after skin contact	:	Wash with plenty of soap and water. If irritation persists, consult a doctor.
First-aid measures after eye contact	:	Rinse cautiously with water for several minutes. Obtain medical attention if pain, blinking, tears or redness persist.
First-aid measures after ingestion	:	Rinse mouth out with water. If necessary seek medical advice.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/effects after inhalation	:	Dust from this product may cause respiratory irritation.
Symptoms/effects after skin contact	:	Contact during a long period may cause slight irritation.
Symptoms/effects after eye contact	:	Causes serious eye irritation.

4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

Section 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	:	Water spray or fog. Carbon dioxide. Foam. Dry chemical. Dry powder. Sand.
Unsuitable extinguishing media	:	Use of heavy stream of water may spread fire.

5.2. Special hazards arising from the chemical

Fire hazard	:	Vapors generated from overheating/melting/decomposition may be flammable and may cause fire/explosion if source of ignition is present.
Explosion hazard	:	Potential dust explosion hazard. When dust becomes airborne and is exposed to an ignition source, sufficient combustible/flammable dust may exist to burn in the open or explode if confined.
Hazardous decomposition products in case of fire	:	Carbon oxides (CO, CO2). Metallic peroxides. Metallic oxides. Toxic fumes.

5.3. Advice for firefighters

Firefighting instructions	:	Use water spray or fog for cooling exposed containers. Avoid raising powdered materials into airborne dust, creating an explosion hazard. Apply aqueous extinguishing media carefully to prevent frothing/steam explosion. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment. Fight fire from safe distance and protected location.
Protection during firefighting	:	Do not attempt to take action without suitable protective equipment. Complete protective clothing. Self-contained breathing apparatus.

Section 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Emergency procedures for non-emergency personnel	:	Avoid contact with eyes. Do not breathe dust. Remove ignition sources. Ensure adequate ventilation. Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".
Emergency procedures for emergency responders	:	No additional requirement.

6.2. Methods and material for containment and cleaning up

For containment	:	Sweep up or vacuum up the product. Avoid creating or spreading dust.
Methods for cleaning up	:	Dispose of materials or solid residues at an authorized site.

6.3. Reference to other sections

See section 8. Exposure controls/personal protection.

Section 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Avoid all contact with skin, eyes, or clothing. Ensure good ventilation of the work station. Wear personal protective equipment. Avoid contact with elevated temperature or molten product to prevent burns. Avoid raising powdered material due to explosion hazard. Prevent the build-up of electrostatic charge. Use only non-sparking tools. Handling this product may result in electrostatic accumulation. Use proper grounding procedures. Refer to the latest edition of the National Fire Protection Association (NFPA) 654 publication, "Standard for the Prevention of Fire and Dust Explosions in the Chemical, Dye, Pharmaceutical, and Plastics Industries", and "Combustible Dust in Industry: Preventing and Mitigating the Effects of Fire and Explosions" (OSHA SHIB, July 31, 2005, updated Nov. 12, 2014, https://www.osha.gov/dts/shib/shib073105.html) for a complete discussion on dust explosion prevention and control measures. Although these publications discuss inerting as a method of protection against dust explosion, an inert gas atmosphere is not recommended during handling of this material because the inhibitor in this product requires oxygen to be effective.

Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures : Electrical equipment should conform to the National Electric Code.

Storage conditions : Protect from moisture. Store in a dry, cool area. Keep containers tightly closed until ready to use to avoid loss of activity. Keep away from sources of ignition.

Incompatible materials : Strong oxidizing agents. Strong acids.

Storage temperature : 10 – 32 °C

Section 8: Exposure controls/personal protection

8.1. Occupational Exposure Limits

The following constituents are the only constituents of the product which have a PEL, TLV, or other recommended exposure limit. At this time, the other constituents have no known exposure limits.

Dymalink® 636 (6292-01-9)		
USA ACGIH	ACGIH OEL TWA	10 mg/m³ (inhalable dust) 3 mg/m³ (respirable dust)
USA ACGIH	Remark (ACGIH)	Particulates, not otherwise classified
USA OSHA	OSHA PEL (TWA) [1]	15 mg/m³ (total dust) 5 mg/m³ (respirable dust)
USA OSHA	Remark (OSHA)	Particulates, not otherwise classified

8.2. Exposure controls

Appropriate engineering controls : Ensure good ventilation of the work station. Safety shower. Eye fountain.

Hand protection : Protective gloves.

Eye protection : Safety glasses.

Skin and body protection : Wear fire/flame resistant/retardant clothing. Wear suitable protective clothing.

Respiratory protection : Appropriate dust or mist respirator should be used if airborne particles are generated when handling this material.

Section 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state : Solid

Appearance : Powder.

Color : White.

Odor : Mild.

Odor threshold : No data available

pH : Not applicable

Relative evaporation rate (butyl acetate=1) : No data available

Melting point : No data available

Freezing point : Not applicable

Initial boiling point and boiling range : Not applicable

Flash point : Not applicable

Auto-ignition temperature : No data available

Decomposition temperature : No data available

Flammability : No data available

Vapor pressure : Not applicable

Relative vapor density at 20°C	:	Not applicable
Relative density	:	1.38 1.59
Solubility	:	No data available
Partition coefficient n-octanol/water (Log Kow)	:	No data available
Viscosity, kinematic	:	Not applicable
Viscosity, dynamic	:	Not applicable
Explosion limits	:	No data available

9.2. Other information

Explosive properties	:	Dust may form explosive mixture in air Explosion Index, Kst (bar. m/s) : 135 (Chilworth 2010) Max. Explosive Pressure (Pmax), bar : 8.1 (Chilworth 2010) Particle size: < 100 microns (approximately 100%).
Minimum ignition energy	:	> 500 mJ

Section 10: Stability and reactivity

10.1. Reactivity

Inhibitor usually added.

10.2. Chemical stability

Stable under use and storage conditions as recommended in section 7.

10.3. Possibility of hazardous reactions

May ignite spontaneously if exposed to air. Dust may form explosive mixture in air. May polymerize. To avoid thermal decomposition, do not overheat.

10.4. Conditions to avoid

Avoid the build-up of electrostatic charge. Avoid dust formation. High temperature. Direct sunlight. Sparks. Open flame. Conditions which remove all oxygen from the product (the inhibitor requires presence of oxygen to prevent autopolymerization). High humidity. This product is an anhydrous salt that will readily absorb moisture upon exposure to a humid atmosphere.

10.5. Incompatible materials

Strong oxidizing agents. Strong acids.

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Section 11: Toxicological information

11.1. Information on toxicological effects

Likely routes of exposure	:	Inhalation. Ingestion. Skin and eye contact.
Acute toxicity (oral)	:	Not classified
Acute toxicity (dermal)	:	Not classified
Acute toxicity (inhalation)	:	Not classified
Skin corrosion/irritation	:	Not classified Not irritating to skin (rabbit)
Serious eye damage/irritation	:	Causes serious eye irritation. (rabbit)
Respiratory or skin sensitization	:	Not classified
Germ cell mutagenicity	:	Not classified
Carcinogenicity	:	Not classified

Reproductive toxicity	:	Not classified
STOT-single exposure	:	Not classified
STOT-repeated exposure	:	Not classified
Aspiration hazard	:	Not classified Not applicable
Potential Adverse human health effects and symptoms	:	Dust from this product may cause respiratory irritation. Repeated or prolonged skin contact may cause irritation.

Section 12: Ecological information

12.1. Toxicity

Ecology - general : Do not allow product to spread into the environment.

12.2. Persistence and degradability

No additional information available

12.3. Bioaccumulative potential

No additional information available

12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

No additional information available

Section 13: Disposal considerations

13.1. Waste treatment methods

Waste treatment methods	:	Transfer to a safe disposal area in accordance with federal, state, and local regulations.
Product/Packaging disposal recommendations	:	Dispose of contents and container in accordance with all local, regional, national and international regulations.

Section 14: Transport information

US Transport (DOT) for Bulk Shipments (Non-Bulk Shipments May Differ)

Not regulated by US DOT

Transport by sea (IMDG)

Not regulated by IMDG

Air transport (IATA)

Not regulated by IATA

Section 15: Regulatory information

15.1. US Federal regulations

EPA TSCA Status

All components of this product are listed or exempt from listing on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) Active inventory. This product has no special requirements under TSCA, such as significant new use rules (SNUR), consent orders, test rules, or sections 4, 5, 6, 8(a), 8(d), 12(b) requirements.

SARA Section 313 Supplier Notification

This product contains no toxic chemicals in excess of the applicable de minimis concentration that are subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

SARA Section 311/312 Hazard Classes	Health hazard - Acute toxicity (any route of exposure) Physical hazard - Combustible dust Health hazard - Serious eye damage or eye irritation Health hazard - Respiratory or skin sensitization
Export Control Classification Number (ECCN):	EAR99 (No License Required)

15.2. International regulations

CANADA

No additional information available

National inventories

Dymalink® 636 (6292-01-9)
Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active
Listed on the Canadian Non-Domestic Substances List (NDSL)
Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)
Listed on or exempt from listing on the AICS (Australian Inventory of Chemical Substances)
Listed on or exempt from listing on the Japanese ENCS (Existing & New Chemical Substances) inventory
Listed on or exempt from listing on the Korean ECL (Existing Chemicals List)
Listed on the Japanese ISHL (Industrial Safety and Health Law)

15.3. US State regulations

California Proposition 65 - To the best of our knowledge, there are no Proposition 65 chemicals present in this product at levels that would require warning under the California Safe Drinking Water and Toxic Enforcement Act.

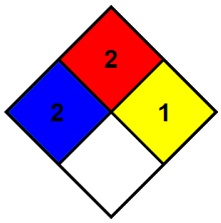
Section 16: Other information

Other information : This material contains an inhibitor (HQ, MEHQ, etc.) at < 0.1%. The type and amount meet product specifications. Contact a company representative for exact concentrations and details on inhibitor level maintenance.

Unless agreed to in a separate written agreement with the Customer, Resin Solutions, LLC makes no representations and disclaims all warranties, express or implied, with respect to biocompatibility and/or the suitability of this product for medical device applications including : (i) implantable devices intended for human or animal body, (ii) devices intended to be used in contact with internal body fluids, and (iii) devices intended to be used in contact with internal body tissues. If the Customer intends to use this product for any such application, it must first contact Resin Solutions, LLC and establish agreed terms and conditions for such use.

NFPA (National Fire Protection Association)

NFPA health hazard : 2
NFPA fire hazard : 2
NFPA reactivity : 1



Hazard System Rating

Health : 2
Flammability : 2
Physical Hazard : 1
Personal protection : See section 8 of SDS

US OSHA LABEL as specified under 29 CFR §1910.1200 (f). The label shown may include supplemental information in addition to required elements.

Dymalink® 636

Resin Solutions, LLC
665 Stockton Drive, Suite 100
Exton, PA 19341 USA
Tel. +1-484-284-8989

Warning

Causes serious eye irritation
May form combustible dust concentrations in air

Wash hands, forearms and face thoroughly after handling.
Wear eye protection.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
If eye irritation persists: Get medical advice/attention.

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