



Meltem Kimya Ve Tekstil San.İth.İhr.Ve Tic.A.Ş
PET Resin,Plasticers, PVC Floor Covers

**Material Safety Data Sheet According to 1907/2006/EC
In compliance with article31 of REACH
Revision: April 2017**

Section 1 - Identification of Substance and Producer Company

Product Name: BIOMELFLEX
Chemical Name: Butanedioic acid, dioctyl ester
Synonyms: Dioctyl butanedioate

Manufacturer: Meltem Kimya
Batı Otoban Bağlantı Yolu
Üzeri Büyük Dikili Mah.93099 Sok.
No:4/A Seyhan/ADANA/TURKEY
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HMIS
Health: 1
Flammability: 1
Reactivity: 0
Gloves & Safety Glasses

Emergency Phone Numbers: Meltem Kimya (24 hr.) (322)4856267-68

Section 2 - Composition / Information on Ingredients

Chemical Name	Concentration
Bis(2-ethylhexyl) succinate	≥ 99,5
CAS Number : 2915-57-3	
EINECS Number: 220-836-1	

Section 3 - Hazards Identification

Appearance/Odor: Clear liquid; mild odor

Potential Health Effects

Skin Contact: Repeated or prolonged skin contact may cause mild skin irritation.

Eye Contact: May cause slight eye irritation of susceptible persons.

Ingestion: May irritate mouth, throat and stomach.

Inhalation: May cause dizziness.

Section 4 – First Aid Measures

Skin Contact: Wash affected skin with soap and water. Seek medical attention if symptoms persist.

Eye Contact: Rinse the eyes with open eyelids with plenty of water for at least 15 minutes.
If irritation and symptoms persists, consult a doctor.

Ingestion: Seek medical treatment.

Inhalation: Person should be moved to a fresh air environment. Consult doctor in case of complaints.

Further Medical Treatment: Symptomatic treatment

Section 5 – Explosion and Fire-Fighting Measures

Flash Point (COC): > 320 °F (> 160 °C)

5.1 Extinguishing media Suitable extinguishing media: Water spray. Dry chemical. Carbon Dioxide. Foam.

Unsuitable extinguishing media: None known.

5.2 Special hazards arising from the substance or mixture: None known.

5.3 Advice for firefighters Special Fire Fighting Procedures: None known.

Special protective equipment for fire-fighters: Self-contained breathing apparatus and full protective clothing must be worn in case of fire

Section 6 – Accidental Release Measures

Steps to be Taken in Case Material is Released or Spilled:

Person related safety precautions: Wear protective clothing. Use respiratory protective device against the affects of fumes/dusts/ aerosol.

Measures for Environmental protection: Do not allow product to reach sewage system or any water course. Do not allow to penetrate the ground/soil.

Measures for cleaning and collecting : Dike and contain the spill with inert material (i.e., sand, earth, sawdust, diatomite, acid binders, universal binders) and transfer liquid and solid diking material to separate containers for recovery or disposal. Wash floor area with hot water solution. Remove contaminated clothing and wash before reuse. Wash affected skin areas with soap and water.

Section 7– Handling and Storage

Handling

Ensure good ventilation/exhaustion at the workplace to establish and maintain safe operating conditions. Keep away from contact with oxidizing materials.

Avoid contact with eyes and skin.

Information about protection against explosions and fires: No special measures required.

Storage:

Containers should be kept tightly closed and stored in a dry well-ventilated place. Store at ambient temperature. Store only in the original receptacle.

Protect from heat and direct sunlight. Keep receptacle tightly sealed.

Storage Class 10 Combustable Liquids

Information about storage in one common storage facility:

Store away from foodstuffs. Store away from feed.

Section 8- Exposure controls and Personal Protection

OSHA Permissible Exposure Limit (PEL): None established

Personal protective equipment

General protective and hygienic measures:

The usual precautionary measures should be adhered to when handling chemicals.

Immediately remove all soiled and contaminated clothing

Do not inhale gases / fumes / aerosols.

Avoid close or long term contact with the skin.

Avoid contact with the eyes.

Do not eat or drink while working.

The usual protective measures based on the application have to be followed.

Breath equipment is not necessary if the room is well-ventilated.

Hand Protection: Neoprene or Viton Gloves. The glove material has to be impermeable and resistant to the product/ the substance / the preparation. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.

After use of gloves apply skin-cleaning agents and skin cosmetics.

Respiratory Protection: Use a NIOSH approved respirator when exposure to mists or vapors is anticipated.

Eye Protection: Safety glasses. Goggles recommended during refilling.

Engineering Measures: For normal operation, local exhaust ventilation should suffice. Direct exhaust may be necessary when material becomes heated and vapors are given off.

Other: Eyewash facility in vicinity.

Section 9- Physical and Chemical Properties

Form: Liquid
Color: Colorless
Odour: Odourless; characteristic

Boiling Point: 358.9°C at 760 mmHg
Flash Point (COC): > 320 °F (> 160 °C)
Vapor Density: No data available
Vapor Pressure: 2.46E-05mmHg at 25°C

Specific Gravity(20 °C): 0.932
Viscosity(20 °C): 20 cp
Solubility in Water: Negligible
pH: N/A

Section 10 – Stability and Reactivity

Conditions to avoid: Avoid extreme heat. Avoid sources of ignition.

Substances to avoid: strong oxidizing agents

Hazardous reactions: The product is chemically stable.

Decomposition products: Hazardous decomposition products: carbon monoxide, carbon dioxide

Thermal decomposition: No decomposition if stored and handled as prescribed/indicated.

Oxidizing properties: not fire-propagating (other)

Section 11 – Toxicological Information

Likely routes of exposure Ingestion, Inhalation, Eye contact, Skin contact

Bis(2-ethylhexyl) succinate, CAS: 2915-57-3

Target Organ Systemic Toxicant - Single exposure

Based on available data, the classification criteria are not met for: STOT SE

Target Organ Systemic Toxicant - Repeated exposure

Based on available data, the classification criteria are not met for: STOT RE

Acute toxicity				
<u>Bis(2-ethylhexyl) succinate (2915-57-3)</u>				
Routes of Exposure	Endpoint	Values	Species	Method
Oral	LD50	> 2000 mg/kg	rat female	OECD 423
Dermal	LD50	> 2000 mg/kg	rat, male/female	OECD 402

Bis(2-ethylhexyl) succinate, CAS: 2915-57-3

Assessment

Based on available data, the classification criteria are not met for: Acute oral toxicity

Acute dermal toxicity STOT

SE

For acute inhalation toxicity, no data are available

Irritation and corrosion				
<u>Bis(2-ethylhexyl) succinate (2915-57-3)</u>				
Target Organ Effects	Species	Result	Method	
Skin	human skin model	No skin irritation	OECD 439	
Eyes	rabbit	No eye irritation	OECD 405	

Bis(2-ethylhexyl) succinate, CAS: 2915-57-3

Assessment

Based on available data, the classification criteria are not met for: skin irritation/corrosion

eye irritation/corrosion

For respiratory irritation, no data are available

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Sensitization

Bis(2-ethylhexyl) succinate (2915-57-3)				
Target Organ Effects	Species	Evaluation	Method	
Skin	mouse	not sensitizing	OECD 429	

Bis(2-ethylhexyl) succinate, CAS: 2915-57-3

Assessment

Based on available data, the classification criteria are not met for: Skin sensitization
For respiratory sensitization, no data are available

Subacute, subchronic and prolonged toxicity				
Bis(2-ethylhexyl) succinate (2915-57-3)				
Type	Dose	Species	Method	
Subchronic toxicity	NOAEL: 1600 ppm	mouse, male/female	OECD 408	read across
Subchronic toxicity	NOAEL: 6300 ppm	rat, male/female	OECD 408	read across

Bis(2-ethylhexyl) succinate, CAS: 2915-57-3

Assessment

Based on available data, the classification criteria are not met for: STOT RE

Carcinogenicity, Mutagenicity, Reproductive toxicity					
Bis(2-ethylhexyl) succinate (2915-57-3)					
Type	Dose	Species	Evaluation	Method	
Mutagenicity		Salmonella typhimuri	negative	OECD 471 (Ames)	
Mutagenicity		mouse lymphoma cells	negative	OECD 476 (Mammalian Gene)	read across
Mutagenicity		mouse	negative	OECD 474	read
Carcinogenicity	LOAEL 1715 mg/kg/d	mouse		OECD 451, Oral	read across
Carcinogenicity	NOAEL 600	rat		OECD 451, Oral	read across
Reproductive toxicity	NOAEL 170	rat, parental		OECD 415	read across
Reproductive toxicity	NOAEL 170	rat, 1. Generation,		OECD 415	read across
Developmental Toxicity	NOAEL 170	rat		OECD 414, Oral	Maternal toxicity
Developmental Toxicity	NOEL 28 mg/kg/d	rat		OECD 414, Oral	Fetal toxicity

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CMR Classification

The available data on CMR properties are summarized in the table above. They do not indicate a classification into categories 1A or 1B

Evaluation

Did not show carcinogenic, teratogenic or mutagenic effects in animal experiments

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Aspiration toxicity

Due to the viscosity, this product does not present an aspiration hazard

Note

Handle in accordance with good industrial hygiene and safety practice.

Section 12 – Ecological Information

12.1. Toxicity

Acute aquatic toxicity			
Bis(2-ethylhexyl) succinate (2915-57-3)			
Species	Exposure time	Dose	Method
Oncorhynchus mykiss (rainbow trout)	96h	LC50: > 100 mg/l	OECD 203
Pseudokirchneriella subcapitata	72h	EC50: > 320 mg/l (Growth rate)	OECD 201

Long term toxicity				
Bis(2-ethylhexyl) succinate (2915-57-3)				
Type	Species	Dose	Method	
Reproductive toxicity	Daphnia magna (Water)	NOEC: $\geq 0,77$ mg/l (21d)	OECD 211	read across

12.2. Persistence and degradability

Bis(2-ethylhexyl) succinate, CAS: 2915-57-3

Biodegradation

> 60 % (10 d), activated sludge (domestic), aerobic, OECD 301 B.

12.3. Bioaccumulative potential

log Pow 7,13 (calculated) KOW WIN

12.4. Mobility in soil

Bis(2-ethylhexyl) succinate, CAS: 2915-57-3

No data available

12.5 Other adverse effects

Bis(2-ethylhexyl) succinate, CAS: 2915-57-3

No data available

Section 13 – Disposal Considerations

Waste disposal of substance: Dispose of in accordance with local authority regulations. Do not discharge into drains/surface waters/groundwater.

Container disposal: Dispose of in a licensed facility. Recommend crushing, puncturing or other means to prevent unauthorized use of used containers.

Section 14 – Transport Information

Not classified as hazardous according to the Department of Transportation.
Not restricted under IATA regulation

Section 15 – Regulatory Information

Safety, health and environmental regulations/legislation specific for the substance or mixture:

This product has been classified in accordance with hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.

WHMIS (Canada) Status: noncontrolled

US EPCRA (SARA Title III) Section 313 - Toxic Chemical List NONE

OSHA: nonhazardous

TSCA (US Toxic Substances Control Act): This product is listed on the TSCA inventory. Any impurities present in this product are exempt from listing.

DSL (Canadian Domestic Substances List) and CEPA (Canadian Environmental Protection Act): This product is listed on the DSL. Any impurities present in this product are exempt from listing.

AICS / NICNAS (Australian Inventory of Chemical Substances and National Industrial Chemicals Notification and Assessment Scheme): This product is listed on AICS or otherwise complies with NICNAS.

MITI (Japanese Handbook of Existing and New Chemical Substances): This product is listed in the Handbook or has been approved in Japan by new substance notification.

ECL (Korean Toxic Substances Control Act): This product is listed on the Korean inventory or otherwise complies with the Korean Toxic Substances Control Act.

Section 16 – Other Information

All information is presented in good faith using available information. Meltem Kimya makes no representation of the accuracy or completeness of the information. The user should consider this information as a supplement to other information that may be available. User should also determine suitability of information in their situation to determine proper use and disposal, protection of people and the environment.