



SAFETY DATA SHEET
MELOS EPDM GRANULES

Page: 1
Compilation date: 12.03.2015
Revision No: 1

Section 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name: MELOS EPDM GRANULES

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.3. Details of the supplier of the safety data sheet

Company name: Melos GmbH
Bismarckstr. 4-10
D-49324 Melle
Deutschland
Tel: +49 5422 9447-0
Fax: +49 5422 5981
Email: sicherheit@melos-gmbh.com

1.4. Emergency telephone number

Emergency tel: +49 5422 9447-0
(office hours only)

Section 2: Hazards identification

2.1. Classification of the substance or mixture

Classification under CHIP: This product has no classification under CHIP.

Classification under CLP: This product has no classification under CLP.

2.2. Label elements

Label elements: This product has no label elements.

2.3. Other hazards

PBT: This product is not identified as a PBT/vPvB substance.

Section 3: Composition/information on ingredients

3.1. Substances

Chemical identity: MELOS EPDM GRANULES
Contains: Base polymer:
EPDM

Section 4: First aid measures

4.1. Description of first aid measures

Skin contact: Not applicable.

[cont...]

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EPDM Rubber

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1 PRODUCT AND COMPANY IDENTIFICATION

Manufacturer

Advanced Polymer Technology
P.O. Box 160
109 Conica Lane
Harmony, PA 16037

Contact: Senior Chemist
Phone: 724-452-1330
Fax: 724-452-1703
Email: info@advpolytech.com
Web: www.advpolytech.com

Transportation emergency phone number: ChemTel Inc. (800)255-3924, +1 (813)248-0585

2 HAZARDS IDENTIFICATION

The product is not classified according to GHS regulations.

3 COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients:

Cas #	Percentage	Chemical Name
25038-36-2	<35%	Bicyclo[2.2.1]hept-2-ene, 5-ethylidene-, polymer with ethene and 1-propene

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FIRST AID MEASURES

If inhaled

If breathed in, move person into fresh air. If not breathing, give artificial respiration.

In case of skin contact

Wash off with soap and plenty of water.

In case of eye contact

Flush eyes with water as a precaution.

If swallowed

Never give anything by mouth to an unconscious person. Rinse mouth with water.

Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in the labelling see section 2 and/or in section 11.

Indication of any immediate medical attention and special treatment needed

no data available

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FIRE FIGHTING MEASURES

Suitable extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Special hazards arising from the substance or mixture

Carbon oxides

Advice for firefighters

Wear self contained breathing apparatus for fire fighting if necessary.

Further information

no data available

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ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Avoid dust formation. Avoid breathing vapours, mist or gas.

For personal protection see section 8.

Environmental precautions

Do not let product enter drains.

Methods and materials for containment and cleaning up

Sweep up and shovel. Keep in suitable, closed containers for disposal.

Reference to other sections

For disposal see section 13.

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7 HANDLING AND STORAGE

Handling Precautions: Provide appropriate exhaust ventilation at places where dust is formed. Normal measures for preventive fire protection.

Storage Requirements: Keep container tightly closed in a dry and well-ventilated place.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls: Educate and train employees in safe use of this product. Follow all label instruction. Local exhaust should be used to maintain levels below the TLV whenever this product is processed, heated or spray applied. For spray applications, an air-supplied respirator must be worn. All ventilation should be designed in accordance with OSHA standard (29 CFR 1910.94).

Personal Protective Equip: Eye/face protection
Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Body Protection

Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection

Respiratory protection is not required. Where protection from nuisance levels of dusts are desired, use type N95 (US) or type P1 (EN 143) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Contains no substances with occupational exposure limit values.

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Solid

Physical State: Solid

10 STABILITY AND REACTIVITY

Stability: no data available

Conditions to Avoid: no data available

Materials to Avoid: no data available

Hazardous Decomposition: Other decomposition products - no data available

Hazardous Polymerization: no data available

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TOXICOLOGICAL INFORMATION

Acute toxicity: no data available

Inhalation: no data available

Dermal: no data available

Skin corrosion/irritation: no data available

Serious eye damage/eye irritation: no data available

Respiratory or skin sensitisation: no data available

Germ cell mutagenicity: no data available

Carcinogenicity

This product is or contains a component that is not classifiable as to its carcinogenicity based on its IARC, ACGIH, NTP, or EPA classification.

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ECOLOGICAL INFORMATION

Toxicity
no data available

Persistence and degradability
no data available

Bioaccumulative potential
no data available

Mobility in soil
no data available

Results of PBT and vPvB assessment
PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

Other adverse effects
no data available

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DISPOSAL CONSIDERATIONS

Recommendation

Smaller quantities can be disposed of with household waste.

Can be burned with household garbage after consulting with the waste disposal facility operator and the pertinent authorities and adhering to the necessary technical regulations.

Uncleaned packaging:

Recommendation: Disposal must be made according to official regulations.

Recommended cleansing agents: Water, if necessary together with cleansing agents.

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14 TRANSPORT INFORMATION

UN-Number DOT, ADR, ADN, IMDG, IATA	N/A
UN proper shipping name DOT, ADR, ADN, IMDG, IATA	N/A
Transport hazard class(es) DOT, ADR, ADN, IMDG, IATA Class	N/A
Packing group DOT, ADR, IMDG, IATA	N/A
Marine pollutant	No
Special precautions for user	Not applicable.
Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not applicable.
UN "Model Regulation"	---

15 REGULATORY INFORMATION

COMPONENT / (CAS/PERC) / CODES

*Bicyclo[2.2.1]hept-2-ene, 5-ethylidene-, polymer with ethene and 1-propene (25038362 <35%) TSCA

REGULATORY KEY DESCRIPTIONS

TSCA = Toxic Substances Control Act

16 OTHER INFORMATION

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

**1 PRODUCT AND COMPANY IDENTIFICATION**

Supplier Details: Advanced Polymer Technology
P.O. Box 160, 109 Conica Lane
Harmony, PA 16037

Contact: Senior Chemist
Phone: 724-452-1330
Fax: 724-452-1703
Email: info@advpolytech.com
Internet: www.advpolytech.com

Transportation emergency phone number: ChemTel Inc. (800)255-3924, +1 (813)248-0585

2 HAZARDS IDENTIFICATION**Classification of Substance**

GHS Classification in Accordance with 29 CFR 1910 (OSHA HCS):
No GHS Classifications Indicated

GHS Label Elements, Including Precautionary Statements

GHS Signal Word: NONE

GHS Hazard Pictograms:

No GHS pictograms indicated for this product

GHS Hazard Statements:

No GHS hazards statements indicated

GHS Precautionary Statements:

P281 - Use personal protective equipment as required.

Hazards not Otherwise Classified (HNOC) or not Covered by GHS

The product is not classified according to GHS regulations.

3 COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Ingredients		
CAS#	%	Chemical Name
9003-55-8	15-40%	Benzene, ethenyl-, polymer with 1,3-butadiene
9006-04-6	15-40%	Rubber solution
1333-86-4	20-35%	Carbon black
1314-13-2	0.1-1%	Zinc oxide
7704-34-9	0.1-0.5%	Sulfur

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FIRST AID MEASURES

If inhaled
N.A.

In case of skin contact
Wash off with soap and plenty of water.

In case of eye contact
Flush eyes with water as a precaution.

If swallowed
N.A.

Most important symptoms and effects, both acute and delayed
The most important known symptoms and effects are described in the labelling see section 2 and/or in section 11.

Indication of any immediate medical attention and special treatment needed
no data available

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FIRE FIGHTING MEASURES

Flash Point: > 212 F; > 100 C (ASTM D3828)

Suitable extinguishing media
Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Special hazards arising from the substance or mixture
Carbon oxides

Advice for firefighters
Wear self contained breathing apparatus for fire fighting if necessary.

Further information
no data available

6

ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures
Avoid dust formation.
For personal protection see section 8.

Environmental precautions
N.A.

Methods and materials for containment and cleaning up
N.A.

Reference to other sections
For disposal see section 13.

7

HANDLING AND STORAGE

Handling Precautions: Provide appropriate exhaust ventilation at places where dust is formed. Normal measures for preventive fire protection.

Storage Requirements: N.A.

8	EXPOSURE CONTROLS/PERSONAL PROTECTION
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Engineering Controls: Educate and train employees in safe use of this product. Follow all label instruction. Local exhaust should be used to maintain levels below the TLV whenever this product is processed, heated or spray applied. For spray applications, an air-supplied respirator must be worn. All ventilation should be designed in accordance with OSHA standard (29 CFR 1910.94).

Personal Protective Equipment:

Eye/face protection
Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin protection
Handle with gloves. Wash and dry hands.

Body Protection
The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection
Respiratory protection is not required. Where protection from nuisance levels of dusts are desired, use type N95 (US) or type P1 (EN 143) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Contains no substances with occupational exposure limit values.

9	PHYSICAL AND CHEMICAL PROPERTIES
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Appearance: Solid
Physical State: Solid
Specific Gravity or Density: 1.09 g/L

10	STABILITY AND REACTIVITY
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Chemical Stability: no data available
Conditions to Avolidentification: no data available
Materials to Avolidentification: no data available

Hazardous Decomposition: Other decomposition products - no data available
Hazardous Polymerization: Will not occur.

11	TOXICOLOGICAL INFORMATION
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Acute toxicity: no data available
Inhalation: no data available
Dermal: no data available
Skin corrosion/irritation: no data available
Serious eye damage/eye irritation: no data available
Respiratory or skin sensitisation: no data available
Germ cell mutagenicity: no data available

Carcinogenicity
This product contains a component (when isolated) that has been reported to be possibly carcinogenic (specifically when inhaled) based on its IARC, ACGIH, NTP or EPA classification. Limited evidence to carcinogenicity in animal studies. IARC: 2B - Group 2B: Possibly carcinogenic to humans (Carbon black)

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ECOLOGICAL INFORMATION

Toxicity
no data available

Persistence and degradability
no data available

Bioaccumulative potential
no data available

Mobility in soil
no data available

Results of PBT and vPvB assessment
PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

Other adverse effects
no data available

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DISPOSAL CONSIDERATIONS

Recommendation
Smaller quantities can be disposed of with household waste.
Can be burned with household garbage after consulting with the waste disposal facility operator and the pertinent authorities and adhering to the necessary technical regulations.

Uncleaned packaging:
Recommendation: Disposal must be made according to official regulations.

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TRANSPORT INFORMATION

UN-Number DOT, ADR, ADN, IMDG, IATA	N/A
UN proper shipping name DOT, ADR, ADN, IMDG, IATA	N/A
Transport hazard class(es) DOT, ADR, ADN, IMDG, IATA Class	N/A
Packing group DOT, ADR, IMDG, IATA	N/A
Marine pollutant	No
Special precautions for user	Not applicable.
Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not applicable.
UN "Model Regulation"	---

Component (CAS#) [%] - CODES

Benzene, ethenyl-, polymer with 1,3-butadiene (9003-55-8) [15-40%] TSCA

Rubber solution (9006-04-6) [15-40%]

Carbon black (1333-86-4) [20-35%] MASS, OSHAWAC, PA, PROP65, TSCA, TXAIR

Zinc oxide (1314-13-2) [0.1-1%] MASS, OSHAWAC, PA, TSCA, TXAIR

Sulfur (7704-34-9) [0.1-0.5%] MASS, PA, TSCA

**WARNING**

This product can expose you to chemicals including Carbon black (airborne, unbound particles of respirable size), which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

Regulatory CODE Descriptions

TSCA = Toxic Substances Control Act

MASS = MA Massachusetts Hazardous Substances List

OSHA = OSHA Workplace Air Contaminants

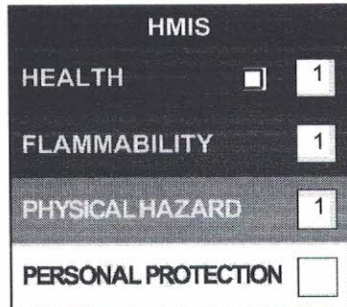
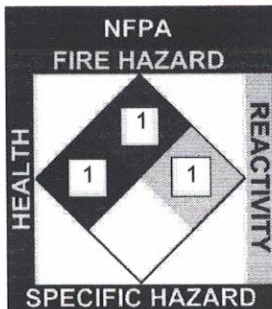
PA = PA Right-To-Know List of Hazardous Substances

PROP65 = CA Prop 65

TXAIR = TX Air Contaminants with Health Effects Screening Level

NFPA: Health = 1, Fire = 1, Reactivity = 1, Specific Hazard = n/a

HMIS III: Health = 1, Fire = 1, Physical Hazard = 1



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Revision Date: 3/15/2019