

Fertility effects	: <input checked="" type="checkbox"/> No known significant effects or critical hazards.
Medical conditions aggravated by over-exposure	: None known.
Remarks	: The material burns slowly with high smoke density and flaming drips. Additives contained in this product do not pose a risk to health unless they are liberated during processing (fumes from melting, dusts). Suitable Industrial Hygiene precautions should be implemented to prevent (respirable) dust and fume exposures. Exposure to (melting) fumes should be kept as low as possible, using suitable ventilation equipment. Dusts and fumes created from secondary processing may be irritating to respiratory tract and skin and should be considered as potentially hazardous. If user operations generate dust, fumes or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit. If heated and ventilation is inadequate, use respirator which will protect against organic vapor and dust/mist.

See toxicological information (section 11)

Section 3. Composition/information on ingredients

There are no ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Section 4. First aid measures

Eye contact	: Rinse with plenty of running water. Get medical attention if symptoms occur.
Skin contact	: Rinse with plenty of running water. Get medical attention.
Ingestion	: If swallowed, rinse mouth with water (only if the person is conscious). Get medical attention if symptoms occur.
Protection of first-aiders	: <input checked="" type="checkbox"/> No action shall be taken involving any personal risk or without suitable training.
Notes to physician	: <input checked="" type="checkbox"/> No specific treatment. Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

Section 5. Fire-fighting measures

Flammability of the product	: <input checked="" type="checkbox"/> No specific fire or explosion hazard.
Hazardous thermal decomposition products	: In case of fire, may produce hazardous decomposition products such as carbon monoxide, carbon dioxide, (dense) black smoke, aldehydes, organic acids.
Extinguishing media	
Suitable	: Use dry chemical powder. Alcohol-resistant foam.
Special fire-fighting procedures	: Avoid contact with heated material.
Protection of fire-fighters	: Wear suitable protective clothing. Self-contained breathing apparatus.

Section 6. Accidental release measures

Personal precautions	: Immediately contact emergency personnel. Keep unnecessary personnel away. Use suitable protective equipment.
Environmental precautions	: No special measures required.
Methods for cleaning up	: Vacuum or sweep up material and place in a designated, labeled waste container. Recycle, if possible. Prevent formation of dust clouds. Clean up affected area with a large amount of water.

Continued on next page

Section 7. Handling and storage

Handling	: Use with adequate ventilation.
Storage	: Store in a fireproof location. Keep away from incompatible materials and avoid specific conditions (See section 10).
Storage temperature	: Store between the following temperatures: 15 and 25 °C.
Remarks	: For further information about handling and storage see "Keltan® EPDM packaging storage conditions".

Section 8. Exposure controls/personal protection

Engineering controls	: No special ventilation requirements. Good general ventilation should be sufficient to control worker exposure to airborne contaminants. If this product contains ingredients with exposure limits, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure below any recommended or statutory limits.
-----------------------------	---

Personal protection

Eyes	: Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts.
Skin	: Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
Respiratory	: Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.
Hands	: Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.

Product name

Not available

Exposure limits

Consult local authorities for acceptable exposure limits.

Remarks	: If general ventilation is inadequate, local exhaust ventilation should be used to dispose of vapors from hot processing equipment, particularly during purging. If user operations generate dust, fumes or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.
----------------	--

Section 9. Physical and chemical properties

Physical state	: Solid. [Bales]
Flash point	: Closed cup: >300°C (>572°F)
Auto-ignition temperature	: >370°C (>698°F)
Color	: White
Odor	: Odorless.
Density	: 0.86 g/cm ³
Solubility	: Insoluble in the following materials: cold water.

Section 10. Stability and reactivity

Stability and reactivity	: The product is stable.
Conditions to avoid	: Keep away from heat, sparks and flame. Exposure to (sun)light. Relative humidity should be kept below 65%.
Materials to avoid	: Oxidizing agent.
Hazardous decomposition products	: Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Continued on next page

Possibility of hazardous reactions : Under normal conditions of storage and use, hazardous reactions will not occur.

Section 11. Toxicological information

Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
<input checked="" type="checkbox"/> Ethylene-propylene-(diene) elastomer, EP(D)M	LD50 Oral	Rat	>5000 mg/kg	-

Conclusion/Summary : Not available.

Chronic toxicity

Conclusion/Summary : Not available.

Irritation/Corrosion

Conclusion/Summary : Not available.

Sensitizer

Conclusion/Summary : Not available.

Carcinogenicity

Conclusion/Summary : Not available.

Mutagenicity

Conclusion/Summary : Not available.

Teratogenicity

Conclusion/Summary : Not available.

Reproductive toxicity

Conclusion/Summary : Not available.

Remarks : Acute oral toxicity (LD50) Estimated.

Section 12. Ecological information

Ecotoxicity : Not readily biodegradable.

Aquatic ecotoxicity

Conclusion/Summary : Not available.

Persistence/degradability

Conclusion/Summary : Not available.

Other adverse effects : No known significant effects or critical hazards.

Section 13. Disposal considerations

Waste disposal : Waste must be disposed of in accordance with national and local environmental regulations.

Disposal should be in accordance with applicable regional, national and local laws and regulations.

Refer to Section 7: HANDLING AND STORAGE and Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION for additional handling information and protection of employees.

Consult your local or regional authorities.

Section 14. Transport information

Regulatory information	UN number	Proper shipping name	Class	Packing group	Label	Additional information
DOT Classification	Not regulated.	-	-	-		-
TDG Classification	Not regulated.	-	-	-		-
Mexico Classification	Not regulated.	-	-	-		-

Continued on next page

ADR/RID Class	Not regulated.	-	-	-	-
IMDG Class	Not regulated.	-	-	-	-
IATA-DGR Class	Not regulated.	-	-	-	-

Section 15. Regulatory information

- HCS Classification** : Not regulated.
- U.S. Federal regulations** : **United States inventory (TSCA 8b): -**
SARA 302/304/311/312 extremely hazardous substances: No products were found.
SARA 302/304 emergency planning and notification: No products were found.
SARA 302/304/311/312 hazardous chemicals: No products were found.
SARA 311/312 MSDS distribution - chemical inventory - hazard identification: No products were found.
Clean Water Act (CWA) 307: No products were found.
Clean Water Act (CWA) 311: No products were found.
Clean Air Act (CAA) 112 accidental release prevention: No products were found.
Clean Air Act (CAA) 112 regulated flammable substances: No products were found.
Clean Air Act (CAA) 112 regulated toxic substances: No products were found.
- Clean Air Act Section 112(b) Hazardous Air Pollutants (HAPs)** : Not listed
- Clean Air Act Section 602 Class I Substances** : Not listed
- Clean Air Act Section 602 Class II Substances** : Not listed
- DEA List I Chemicals (Precursor Chemicals)** : Not listed
- DEA List II Chemicals (Essential Chemicals)** : Not listed
- State regulations** : **Connecticut Carcinogen Reporting:** None of the components are listed.
Connecticut Hazardous Material Survey: None of the components are listed.
Florida substances: None of the components are listed.
Illinois Chemical Safety Act: None of the components are listed.
Illinois Toxic Substances Disclosure to Employee Act: None of the components are listed.
Louisiana Reporting: None of the components are listed.
Louisiana Spill: None of the components are listed.
Massachusetts Spill: None of the components are listed.
Massachusetts Substances: None of the components are listed.
Michigan Critical Material: None of the components are listed.
Minnesota Hazardous Substances: None of the components are listed.
New Jersey Hazardous Substances: None of the components are listed.
New Jersey Spill: None of the components are listed.
New Jersey Toxic Catastrophe Prevention Act: None of the components are listed.
New York Acutely Hazardous Substances: None of the components are listed.
New York Toxic Chemical Release Reporting: None of the components are listed.
Pennsylvania RTK Hazardous Substances: None of the components are listed.
Rhode Island Hazardous Substances: None of the components are listed.
- Canada inventory** : Not determined.
- International regulations**

Continued on next page

International lists	:	Australia inventory (AICS): Not determined. China inventory (IECSC): Not determined. Japan inventory: Not determined. Korea inventory: Not determined. New Zealand Inventory of Chemicals (NZIoC): Not determined. Philippines inventory (PICCS): Not determined.
Chemical Weapons Convention List Schedule I Chemicals	:	Not listed
Chemical Weapons Convention List Schedule II Chemicals	:	Not listed
Chemical Weapons Convention List Schedule III Chemicals	:	Not listed

Section 16. Other information

Label requirements : NOT EXPECTED TO PRODUCE SIGNIFICANT ADVERSE HEALTH EFFECTS WHEN THE RECOMMENDED INSTRUCTIONS FOR USE ARE FOLLOWED.

Information : Contact:

Europe: DSM Elastomers B.V. Geleen, The Netherlands
T. + 31 46 476 35 03
F. + 31 46 476 00 40

North America: DSM Elastomers Americas, Detroit, MI, United States
T. + 1 248 537 11 60
F. + 1 248 844 96 07

South America: DSM Elastomers Brazil, Sao Paulo, SP, Brazil
T. + 55 11 3046 3350 / 3351
F. + 55 11 3046 3352

Asia: DSM Elastomers Asia, Singapore
T. +65 6 295 71 88
F. +65 6 299 58 48

China: DSM Elastomers Trading Shanghai office
T. + 86 21 6876 7118
F. + 86 21 6876 7868

www.keltan.com.

Date of printing : 1/8/2010.

Date of issue : 1/8/2010.

Date of previous issue : 8/4/2009.

Version : 2

Notice to reader

The information contained in the Material Safety Data Sheet is based on our data available on the date of publication. The information is intended to aid the user in controlling the handling risks; it is not to be construed as a warranty or specification of the product quality. The information may not be or may not altogether be applicable to combinations of the product with other substances or to particular applications.

The user is responsible for ensuring that appropriate precautions are taken and for satisfying themselves that the data are suitable and sufficient for the product's intended purpose. In case of any unclarity we advise consulting the supplier or an expert.

Sources of key data : Literature data and/or investigation reports are available through the manufacturer.

Alterations compared to the previous version : Alterations compared to the previous version are marked with a little (blue) triangle.