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1. Identification of the substance/mixture and of the company/undertaking

Trade name:	Fixoseal 6739
Usage:	Silicone Elastomer
Company:	PRODOTTI INDUSTRIALI Srl Strada Valminier 25 14019 VILLANOVA D'ASTI (AT) ITALY
Telephone: Telefax: E-mail address:	+390141 / 945635 +390141 / 945637 info@proind-it.com

Emergency telephone number

Centro Antiveleni Azienda Ospedaliera "S.G.Battista" – TORINO	Tel. 011/6637637
Centro Antiveleni Ospedale Niguarda Ca' Granda – MILANO	Tel. 02/66101029
Cen.Naz.Inform.Tossic.Fond. S.Maugeri – PAVIA	Tel. 0382/24444
Serv. Antiv. Università degli Studi di PADOVA	Tel. 049/8275078
Servizio Antiveleni Istituto Scientifico "G. Gaslini" – GENOVA	Tel. 010/5636245
Centro Antiveleni Azienda Ospedaliera Careggi – FIRENZE	Tel. 055/4277238
Centro Antiveleni Policlinico A.Gemelli - ROMA	Tel. 06/3054343
Centro Antiveleni Università degli Studi "La Sapienza" – ROMA	Tel. 06/49970698
Centro Antiveleni Azienda Ospedaliera A. Cardarelli – NAPOLI	Tel. 081/7472870

2. Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]

Skin Corr./Irrit. 2 H315

See Section 16 for the full text of the R phrases or H statements declared above.

2.2 Label elements

Hazard pictograms

Signal word Hazard statements

:	
:	Warning
:	Causes skin irritation

water. If skin irritation occurs:

Get medical attention.

-

Precautionary statements	
Prevention	: Wear protective gloves.
Response	: IF ON SKIN: Wash with plenty of soap and

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Storage	:	Not applicable.
Disposal	:	Not applicable.
Hazardous ingredients	:	triacetoxyethylsilane
Supplemental label elements	:	Not applicable.
2.3 Other hazards		
Substance meets the criteria for	:	Not applicable.
PBT according to Regulation		
Substance meets the criteria for vPvB according to	:	Not applicable.
Other hazards which do not result in classification	:	Uncured product is irritating to eyes, skin, and respiratory system.

3. Composition/information on ingredients Substance/mixture : Mixture

		% by	Classification		
Product/ingredient name	Identifiers	weight	67/548/EEC	Regulation (EC) No. 1272/2008 [CLP]	Туре

triacetoxyethylsilane	RRN : 241- 677-4 EC:241-677- 4 CAS : 17689-77- 9 Index:	>=1 - <3	C; R34 Xn; R22 R14	Acute Tox. 4, H302 Skin Corr./Irrit. 1B, H314	[1]
methylsilanetriyl triacetate	RRN : 224- 221-9 EC: CAS : 4253- 34-3 Index:	>=1 - <3	R14 C; R34 Xn; R22	Acute Tox. 4, H302 Skin Corr./Irrit. 1C, H314	[1]

<u>Type</u>

[1] Substance classified with a health or environmental hazard

[2] Substance with a workplace exposure limit

- [3] Substance meets the criteria for PBT according to Regulation (EC) No. 1907/2006, Annex XIII [4] Substance meets the criteria for vPvB according to Regulation (EC) No. 1907/2006, Annex XIII

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See Section 16 for the full text of the R phrases or H statements declared above. There are no additional 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.

Occupational exposure limits, if available, are listed in Section 8.

4. First aid measures

4.1 Description of first aid measures

Eye contact Inhalation	lifting the upper any contact le Get medical a Remove victir comfortable for irregular or if respiration or dangerous to resuscitation. persist or are position and g open airway.	lush eyes with plenty of water, occasionally er and lower eyelids. Check for and remove inses. Continue to rinse for at least 10 minutes. ittention. In to fresh air and keep at rest in a position or breathing. If not breathing, if breathing is respiratory arrest occurs, provide artificial oxygen by trained personnel. It may be the person providing aid to give mouth-to-mouth Get medical attention if adverse health effects severe. If unconscious, place in recovery get medical attention immediately. Maintain an Loosen tight clothing such as a collar, tie, belt or
Skin contact	contaminated least 10 minu	inated skin with plenty of water. Remove I clothing and shoes. Continue to rinse for at tes. Get medical attention. Wash clothing before shoes thoroughly before reuse.
Ingestion	Remove victin comfortable for the exposed p water to drink vomiting may directed to do head should b lungs. Get me or are severe unconscious position and g Maintain an o	uth with water. Remove dentures if any. In to fresh air and keep at rest in a position or breathing. If material has been swallowed and berson is conscious, give small quantities of a. Stop if the exposed person feels sick as be dangerous. Do not induce vomiting unless o so by medical personnel. If vomiting occurs, the be kept low so that vomit does not enter the edical attention if adverse health effects persist . Never give anything by mouth to an person. If unconscious, place in recovery get medical attention immediately. pen airway. Loosen tight clothing such as a t or waistband.
Protection of first aid personnel	suitable traini	all be taken involving any personal risk or without ng. It may be dangerous to the person providing buth-to-mouth resuscitation.

4.2 Most important symptoms and effects, both acute and delayed

Potential acute health effects

Eye contact Inhalation		Causes serious eye irritation. No known significant effects or critical
Skin contact Ingestion	:	Causes skin irritation. Irritating to mouth, throat and stomach.

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Over-exposure signs/symptoms

Eye contact	:	Adverse symptoms may include the following: pain or irritation watering redness
Inhalation	:	No specific data.
Skin contact	:	Adverse symptoms may include the following: irritation redness
Ingestion	:	No specific data.

4.3 Indication of any immediate medical attention and special treatment needed

Notes to physician	:	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
Specific treatments	:	No specific treatment.

5. Firefighting measures

5.1 Extinguishing media	
Suitable extinguishing media	: Use dry chemical, CO2, alcohol-resistant foam or water spray (fog).
Unsuitable extinguishing media	: water jet

5.2 Special hazards arising from the substance or mixture

Hazards from the substance or	:	No specific fire or explosion hazard.
Hazardous thermal decomposition products	:	Decomposition products may include the following materials: carbon dioxide carbon monoxide metal oxide/oxides Measurements at temperatures above 150°C in presence of air (oxygen) have shown that small amounts of formaldehyde are formed due to oxidative degradation.

5.3 Advice for firefighters

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Special protective actions for fire-fighters	:	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Use water spray to keep fire-exposed containers cool. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.
Special protective equipment for fire-fighters	:	Fire-fighters should wear appropriate protective equipment and self- contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents
Additional information	:	Not Available
6. Accidental release measures	octiv	e equipment and emergency procedures
For non-emergency personnel	:	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment
		and the second of the second s
For emergency responders	:	If specialised clothing is required to deal with the spillage take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non- emergency personnel".

6.3 Methods and material for containment and cleaning up

Small spill	: Move containers from spill area. Vacuum or sweep up material and place in a designated, labeled waste container. Dispose of via a licensed waste disposal contractor. Note: see section 1 of SDS for emergency contact information and section 13 of SDS for waste disposal.
	of SDS for waste disposal.

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Large spill	:	Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Vacuum or sweep up material and place in a designated, labeled waste container. Dispose of via a licensed waste disposal contractor. Note: see section 1 of SDS for emergency contact information and section 13 of SDS for waste disposal.
6.4 Reference to other sections	:	See Section 1 for emergency contact information. See Section 8 for information on appropriate personal protective equipment. See Section 13 for additional waste treatment information.
7. Handling and storage		
7.1 Precautions for safe handling		
Protective measures	:	Put on appropriate personal protective equipment (see section 8 of SDS). Do not ingest. Avoid contact with eyes, skin and clothing. Use only with adequate ventilation. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous.
Advice on general occupational hygiene	:	Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. See also Section 8 for additional information on hygiene measures.

7.2 Conditions for safe storage, including any incompatibilities

Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see section 10 of SDS) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

7.3 Specific end use(s)

Recommendations	:
Industrial sector	:
specific solutions	

Not available Not available

8. Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limits

No exposure limit value known.

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Recommended monitoring procedures	:	If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use
DNEL/DMEL Summary	:	Not available
PNEC Summary	:	Not available
3.2 Exposure controls		
Appropriate 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.
Individual protection measures	<u>5</u>	
Hygiene measures	:	Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contamina clothing. Wash contaminated clothing before reusing. Ensu that eyewash stations and safety showers are close to the workstation location.
Eye/face protection	:	Safety eyewear complying with an approved standard shou be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: chemical splash goggles.
Skin protection		
Hand protection	:	Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handli chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glo manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated
Body protection	:	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.

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Other skin protection	: Appropriate footwear and any additional skin protection measures 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 protection	: Use a properly fitted, particulate filter 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.
Environmental exposure controls	: Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance

Physical state Color	:	Paste colorless.
Odor Odor threshold pH Melting point/freezing point Initial boiling point and boiling range Flash point	: : : : : : : : : : : : : : : : : : : :	Acetic acid. Not available Not available Not available Not available 93 °C (Estimated.)
Evaporation rate Flammability (solid, gas) Burning time Burning rate Upper/lower flammability or explosive limits	:	Not available Not available Not available Not available Lower: Not applicable. Upper: Not applicable.
Vapor pressure Vapor density Relative density Density	:	Not available Not available Not available 1,099 g/cm3 @ 20 °C
Solubility(ies)	:	Insoluble
Solubility in water Partition coefficient: n- octanol/water Auto-ignition temperature Decomposition temperature	:	Not available Not available Not available Not available
Viscosity	:	Dynamic: Not available Kinematic: Not available

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Explosive properties Oxidizing properties	:	Not available Not available
9.2 Other information		
No additional information.		
10. Stability and reactivity		
10.1 Reactivity	:	Stable under normal conditions.
10.2 Chemical stability	:	The product is stable.
10.3 Possibility of hazardous reactions	:	Under normal conditions of storage and use, hazardous reactions
10.4 Conditions to avoid	:	No specific data.
10.5 Incompatible materials	:	No specific data.
10.6 Hazardous decomposition products	:	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

11. Toxicogical information

11.1 Information on toxicological effects

Acute toxicity

Conclusion/Summary	:	Not available
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Acute toxicity estimates

Route	ATE value
Oral	12.510 mg/kg

Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation
Fixoseal 6739	Skin - Moderate	Rabbit			-
	irritant OECD-				
	Guideline 404				
	(Acute Dermal				
	Irritation/Corrosio				
Remarks:	Classification according to test study data of a similar product.				
	eyes - Mild irritant	Rabbit			-
	OECD-Guideline				
	405 (Acute Eye				
	Irritation/Corrosio				
Remarks:	Classification according to test study data of a similar product.				

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Conclusion/Summary				
Skin eyes Respiratory	::	Moderate irritant Mild irritant Not available		
<u>Sensitization</u>				
Conclusion/Summary Skin Respiratory	:	Not available Not available		
Mutagenicity				
Conclusion/Summary	:	Not available		
Carcinogenicity				
Conclusion/Summary	:	Not available		
Reproductive toxicity				
Conclusion/Summary	:	Not available		
Teratogenicity				
Conclusion/Summary	:	Not available		
Specific target organ toxicity (single exposure) Not available				
Specific target organ toxicity (repeated exposure) Not available				
Aspiration hazard Not available				
Information on the likely routes	:	Not available		
Potential acute health effects				
Eye contact Inhalation Skin contact Ingestion	::	Causes serious eye irritation. No known significant effects or critical Causes skin irritation. Irritating to mouth, throat and stomach.		
Symptoms related to the physical, chemical and toxicological characteristics				
Eye contact Inhalation	:	Adverse symptoms may include the following: pain or irritation watering redness No specific data.		
Skin contact	:	Adverse symptoms may include the following: irritation redness		

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Ingestion	: No specific data.			
elayed and immediate effects an	also chronic effects from short and long term exposu			
Short term exposure				
Potential immediate effects Potential delayed effects	Not availableNot available			
ong term exposure				
Potential immediate effects Potential delayed effects	: Not available : Not available			
Potential chronic health effects				
Conclusion/Summary	: Not available			
General Carcinogenicity Mutagenicity Teratogenicity Developmental effects Fertility effects	 No known significant effects or critical 			
Ecological information				
2.1Toxicity				
onclusion/Summary	: Not available			
2.2 Persistence and degradabi	ity			
Conclusion/Summary	: Not available			
12.4 Mobility in soil				
Soil/water partition coefficient (KOC)	: Not available			
Mobility	: Not available			
.5 Results of PBT and vPvB as	sessment			
PBT	: P: Not available			
	B: Not			

available T:

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12.6 Other adverse effects	: No known significant effects or critical
13. Disposal considerations	
Product	
Methods of disposal	: The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction.
Hazardous waste	: The classification of the product may meet the criteria for a hazardous waste.
Packaging	
Methods of disposal	: The generation of waste should be avoided or minimized wherever possible. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible.
Special precautions	: This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.
14. Transport information	
14.1 Special precautions for user	 This product is not regarded as dangerous goods according to the national and international regulations on the transport of dangerous goods. Protect from moisture.Keep away from food, foodstuff, acids and bases keep away from odeur consitius materials.

15. Regulatory information

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

acids and bases.keep away from odour sensitive materials

EU Regulation (EC) No. 1907/2006 (REACH) Annex XIV - List of substances subject to authorization Substances of very high concern

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Carcinogen: Not listed Mutagen: Not listed Toxic to reproduction: Not list PBT: Not listed vPvB: Not listed	ed	
Other EU regulations		
REACH Status	:	The substance(s) in this product has (have) been Pre- Registered and/or Registered, or are exempted from registration, according to Regulation (EC) No. 1907/2006 (REACH)
Aerosol dispensers	:	Not applicable.
Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles	:	Not applicable.
EU - Prior Informed Consent. List of chemicals subject to the international PIC procedure (Annex I - Part 1)	:	Not listed
EU - Prior Informed Consent. List of chemicals subject to the international PIC procedure (Annex I - Part 2)	:	Not listed
EU - Prior Informed Consent. List of chemicals subject to the international PIC procedure (Annex I - Part 3)	:	Not listed

<u>Seveso II Directive</u> This product is not controlled under the Seveso II Directive.

National regulations

International regulations

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C SI Ja C ex ex N P Ex Is S S S S S S S S S S S S S S S S S S	 Australia inventory (AICS) All components are listed or exempted. Canada inventory At least one component is not listed in DSL but all such components are listed in NDSL. Japan inventory All components are listed or exempted. China inventory (IECSC) All components are listed or exempted. Korea inventory All components are listed or exempted. New Zealand Inventory (NZIoC) Not determined. Philippines inventory (PICCS) All components are listed or exempted. United States inventory (TSCA 8b) All components are listed or exempted. Taiwan inventory (CSNN) All components are listed or exempted. 			
Chemical Weapons Convention Chemical Weapons Convention List Schedule II Chemical Weapons Convention List Schedule II 15.2 Chemical Safety Assessment	:	Not listed Not listed Not listed This product contains substances for which Chemical Safety		
16. Other information Abbreviations and acronym	s :	ATE = Acute Toxicity Estimate CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008] DNEL = Derived No Effect Level DMEL = Derived Minimal Effect Level EUH statement = CLP-specific Hazard statement PNEC = Predicted No Effect Concentration RRN = REACH Registration Number PBT = Persistent, Bioaccumulative and Toxic vPvB = Very Persistent and Very Bioaccumulative		

Procedure used to derive the classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]

Classification		Justification		
Skin Corr./Irrit. 2, H315		On basis of test data		
Full text of abbreviated H :	H302	(oral)	Harmful if swallowed.	
statements			Causes severe skin burns and eye damage.	
			Causes severe skin burns and eye damage.	
	H315		Causes skin irritation.	
	_			
Full text of classifications : [CLP/GHS]	Acute	e Tox. 4, H302	ACUTE TOXICITY (oral) - Category 4	
	Skin (Corr./Irrit. 1B, H314	SKIN CORROSION/IRRITATION -	
	Skin (Corr./Irrit. 1C, H314	SKIN Page 14 of 15 CORROSION/IRRITATION	
			- Category 1C	

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Date of printing	:	05.04.2017
Date of issue/ Date of	:	05.04.2017
Date of previous issue	:	16.04.2015
Version	:	2.1

Further Information

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.