

GASKET MAKERS

COD. 400 Red, COD. 401 Black, COD. 403 Blue, COD. 404 Grey

**Safety Data Sheet (91/155/EEC)**

Material: 60031611

ELASTOSIL® 4000

Version: 1.7 (REG_EUROPE)

Date of print: 14.07.2005

Date of last alteration: 11.05.2005

1 Identification of the substance/preparation and company

1.1 Name of substance/preparation
Commercial product name: GASKET MAKERS COD. 400 Red, COD. 401 Black,
COD. 403 Blue, COD. 404 Grey

1.2 Use of substance / preparation: Sealants

1.3 Company name
SUPER HELP SRL
VIA VITTORIO VENETO 11
21100 VARESE - ITALY
TEL +39 347 4650120

	e-mail	Telephone
Information about the Safety Data Sheet:	info@super-help.com	+39 347 4650120

1.4 Emergency telephone number

		Emergency Number
Emergency Information (German):	Works Fire Brigade	+49/(0) 8677/83-2222
Emergency Information (internat.):	National Response Center	+49/(0) 621/60-43333

2 Composition/information on ingredients

2.1 Chemical characterization (preparation):

Chemical characteristics
Polydimethylsiloxane + fillers + auxiliaries + acetoxysilane cross-linker

2.2 Hazardous ingredients:

EINECS / ELINCS-No.	CAS No.	Material	Content %		Warning Label (EU)	
			from	until	Symbol	R-Phrases
241-677-4	17689-77-9	Triacetoxylethylsilane		<3,0	C	14-22-34
224-221-9	4253-34-3	Triacetoxymethylsilane		<2,0	C	14-22-34

R-Phrase	Description
R14 R22 R34	Reacts violently with water. Harmful if swallowed. Causes burns.
R14 R22 R34	Reacts violently with water. Harmful if swallowed. Causes burns.

3 Hazards identification

3.1 Classification:

R-Phrase	Description
R-	-

4 First-aid measures

4.1 General information:

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4.2 After inhalation:

Provide fresh air. In cases of sickness seek medical advice (show label or SDS if possible).

4.3 After contact with the skin:

Wash with plenty of water or water and soap. Seek medical advice in case of continuous irritation.

4.4 After contact with the eyes:

Rinse immediately with plenty of water for 10-15 minutes and seek medical advice.



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4.5 After swallowing:

If conscious, give several small portions of water to drink. Do not induce vomiting. Seek medical advice immediately and produce the label or packaging.

5 Fire-fighting measures

5.1 Suitable extinguishing media:

water spray , extinguishing powder , alcohol-resistant foam , carbon dioxide , sand .

5.2 Extinguishing media which must not be used for safety reasons:

water jet .

5.3 Special exposure hazards arising from the substance or preparation itself, combustion products, resulting gases:

Hazardous decomposition products: acetic acid .

5.4 Special protective equipment for fire fighting:

Use respiratory protection independent of recirculated air.

6 Accidental release measures

6.1 Personal precautions:

Wear personal protection equipment (see section 8) . Avoid contact with eyes and skin. Avoid inhaling mists and vapours.

6.2 Environmental precautions:

Prevent material from entering sewers or surface waters. Contain any fluid that runs out using suitable material (e.g. earth).

6.3 Methods for cleaning up:

Do not flush away with water. Take up mechanically and dispose of according to local/state/federal regulations. Absorb with liquid, mainly acid binding material and dispose of according to local/state/federal regulation. Clean any slippery coating that remains using a detergent / soap solution or another biodegradable cleaner.

6.4 Further information:

Eliminate all sources of ignition.

7 Handling and storage

7.1 Handling

Precautions for safe handling:

Ensure adequate ventilation. Keep away from incompatible substances in accordance with section 10.2.

Precautions against fire and explosion:

Vapours may form in closed rooms with air mixtures, leading to explosion in the presence of sources of ignition, even in empty, uncleaned vessels. Keep away from sources of ignition and do not smoke. Take precautionary measures against electrostatic charging. Cool endangered containers with water.

7.2 Storage

Conditions for storage rooms and vessels:

none known

Advice for storage of incompatible materials:

not applicable

Further information for storage:

Protect against moisture. Keep container tightly closed and store in a cool, well ventilated place. Do not store in open air.

8 Exposure controls and personal protection equipment

8.1 Exposure limits

Maximum airborne concentrations at the workplace:

CAS No.	Material	Type	mg/m ³	ppm	Dust fract.	Fibre/m ³
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8.2 Exposure limited and controlled

8.2.1 Exposure in the work place limited and controlled

General protection and hygiene measures:

Avoid contact with eyes and skin. Do not breathe vapours. Do not eat, drink or smoke when handling.

Personal protection equipment

Respiratory protection:

In case of long or strong exposure: gas mask filter ABEK .

Hand protection:

protective gloves made of fluorinated rubber . Gloves suitable for up to 60 minutes' use.

Eye protection:

tight fitting protective goggles .

Skin protection:

protective clothing .

8.2.2 Exposure to the environment limited and controlled:

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9 Physical and chemical properties

9.1 General information

Physical state / form.....: paste
Colour.....: as specified
Odour.....: pungent

9.2 Important information about the protection of health, safety and the environment

Method
(67/548/EEC):

Melting point / melting range.....: not applicable
Boiling point / boiling range.....: not applicable
Flash point.....: not applicable
Ignition temperature: approx. 400 °C
Lower explosion limit (LEL).....: not applicable
Upper explosion limit (UEL).....: not applicable
Vapour pressure.....: not applicable
Density.....: 0,98 - 1,05 g/cm³ at 25 °C
Water solubility / miscibility.....: virtually insoluble
pH-Value.....: not applicable
Viscosity (dynamic).....: approx. 800000 mPa*s

9.3 Other information

Re 9.2 solubility in water: Hydrolytic decomposition occurs. Re 9.2 pH Value: Product displays acidic reaction with water. Explosion limits for released acetic acid: 4 - 17% (V) .

Thermal decomposition.....: not applicable

10 Stability and reactivity

10.0 General information:

If stored and handled in accordance with standard industrial practices no hazardous reactions are known.

10.1 Conditions to avoid:

moisture .

10.2 Materials to avoid:

Reacts with: water , basic substances and alcohols . Reaction causes the formation of: acetic acid .

10.3 Hazardous decomposition products:

By hydrolysis: acetic acid . Measurements have shown the formation of small amounts of formaldehyde at temperatures above about 150 °C (302 °F) through oxidation.



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11 Toxicological information

11.0 General information:

Product not investigated. According to our present state of knowledge no damaging effect expected when treated in accordance with standard industrial practices and local regulations where applicable. After cross-linking and removal of volatile substances product is not mutagenic nor cancerogenic nor teratogenic and is not hazardous to men and ecology.

11.1 Toxicological tests

Specific symptoms in animal test:

Evaluation in analogy to a tested similar product: By eye contact: Slight irritation possible.

Further information:

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11.2 Experience with man:

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11.3 Further toxicological information:

Product(s) of hydrolysis: In contact with dampness product separates a small quantity of acetic acid (64-19-7) which irritates skin and mucous membranes.

12 Ecological information

12.1 Ecotoxicity

According to past experience toxicity to fish is improbable.

Effects in sewage treatment plants (bacteria toxicity: respiration-/reproduction inhibition):

According to current knowledge adverse effects on water purification plants are not expected.

12.2 Mobility

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12.3 Persistence and degradability

Biodegradation / further information:

Biologically not degradable.

Further information:

Contact with water liberates: acetic acid .

12.4 Bio-accumulation potential

Bioaccumulation is not expected to occur.

12.5 Other harmful effects

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12.6 Additional information

General information:

In cross-linked state not soluble in water. Easily separable from water by filtration.

13 Disposal considerations

13.1 Material

Recommendation:

Dispose of according to regulations by incineration in a special waste incinerator. Small quantities may be disposed of by incineration in an approved facility. Observe local/state/federal regulations.

13.2 Uncleaned packaging

Recommendation:

Completely discharge containers (no tear drops, no powder rest, scraped carefully). Containers may be recycled or re-used. Observe local/state/federal regulations.



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14 Transport information

14.1 Land transport GGVSE/ADR and RID

Road ADR:

Valuation.....: Not regulated for transport

Railway RID:

Valuation.....: Not regulated for transport

14.2 Inland navigation GGVBinsch/ADNR

14.3 Transport by sea GGVSee/IMDG-Code

Valuation.....: Not regulated for transport

14.4 Air transport ICAO-TI/IATA-DGR

Valuation.....: Not regulated for transport

14.5 Transport/further information

Postal and courier service:

German postal dispatch.....: permitted

15 Regulatory information

15.1 Warning Label (EU)

R-Phrase	Description
R-	-

S-Phrase	Description
S-	-

Special identification instructions: Safety data sheet available for professional user on request.

15.2 National regulations:

16 Other information

16.1 Material

The above information describes exclusively the safety requirements of the product(s) and is based on our present-day knowledge. It does not represent a guarantee for the properties of the product(s) described in terms of the legal warranty regulations. Properties of the product are to be found in the respective product leaflet.

16.2 Further information:

Commas appearing in numerical data denote a decimal point. Vertical lines in the left-hand margin indicate changes compared with the previous version.

n.a. = not applicable n.s. = not subject to

COD. 400 COD. 401, COD. 403, COD. 404
GASKET MAKERS RED, BLACK, BLUE, GREY



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Details of international registration status

Listed on the following inventories:

IECSC
TSCA
PICCS
ENCS
ECL
DSL
AICS
EINECS