SAFETY DATA SHEET

01 – IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

PRODUCT NAME : SIMSON ISR 70-03 GREY

CODE : 132150

PRODUCT TYPE : Liquid

USE OF THE SUBSTANCE/MIXTURE : Putty. Sealants

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02 – HAZARDS IDENTIFICATION

The product is not classified as dangerous according to Directive 1999/45/EC and its amendments.

Classification : Not classified.

See section 11 for more detailed information on health effects and symptoms.

03 – COMPOSITION/INFORMATION ON INGREDIENTS

Substance/preparation Preparation

Nature of material : Putty.

Ingradient name	CAS number	EC number	%	Classification
carbonic acid, calcium salt (1:1)	471-34-1	207-439-9	20 - 50	Not classified. [2]
titanium dioxide	13463-67-7	236-675-5	1 - 5	Not classified. [2]
silane, ethenyltrimethoxy	2768-02-7	220-449-8	1 - 5	R10[1] Xn; R20
1-propanamine, 3-(trimethoxysilyl)	13822-56-5	237-511-5	1 - 5	Xi; R36 [1]

See section 16 for the full text of the R-phrases 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.

[1] Substance classified with a health or environmental hazard
[2] Substance with a workplace exposure limit

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

04 – FIRST AID MEASURES

Inhalation

Move exposed person to fresh air. Maintain an open airway. If unconscious, place in recovery position and seek medical advice.

Ingestion

Wash out mouth with water. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Get medical attention if symptoms occur.

Skin contact

Wash with soap and water. In the event of any complaints or symptoms, avoid further exposure. Get medical attention if symptoms occur.

Eye contact

Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids.

Protection of first-aiders

No action shall be taken involving any personal risk or without suitable training.

Notes to physician

In case of inhalation of decomposition products in a fire, symptoms may be delayed.
The exposed person may need to be kept under medical surveillance for 48 hours.

See section 11 for more detailed information on health effects and symptoms.

05 – FIRE-FIGHTING MEASURES

Suitable

Use an extinguishing agent suitable for the surrounding fire.

Not suitable

None known
In a fire or if heated, a pressure increase will occur and the container may burst.
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.

Hazardous thermal decomposition products

Decomposition products may include the following materials:
carbon dioxide
carbon monoxide
nitrogen oxides
metal oxide/oxides
Dust and fumes

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.

06 – ACCIDENTAL RELEASE MEASURES

Personal precautions

Do not touch or walk through spilt material. Provide adequate ventilation.

Environmental precautions

Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.

Small spill

Stop leak if without risk. Move containers from spill area. Absorb with an inert material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

Large spill

Stop leak if without risk. Move containers from spill area. Prevent entry into sewers, basements or confined areas. Absorb with an inert material and transfer the spilt material and absorbent to an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

07 – HANDLING AND STORAGE

Handling

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. Do not ingest. Avoid contact with eyes, skin and clothing. Do not reuse product container.

Storage

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) 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 unlabelled containers.

Packaging materials

Recommended Use original container.

08 – EXPOSURE CONTROLS/PERSONAL PROTECTION

Ingredient name	Occupational exposure limits
carbonic acid, calcium salt (1:1)	**EH40-WEL (United Kingdom (UK), 9/2006).** WEL 8 hrs limit: 10 mg/m³ 8 hour(s). Form: inhalable dust WEL 8 hrs limit: 4 mg/m³ 8 hour(s). Form: respirable dust
titanium dioxide	**EH40/2005 WELs (United Kingdom (UK), 8/2007).** TWA: 10 mg/m³ 8 hour(s). Form: inhalable dust TWA: 4 mg/m³ 8 hour(s). Form: respirable dust

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 respiratory protective equipment.

Occupational exposure controls No special ventilation requirements.

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. Ensure that eyewash stations and safety showers are close to the workstation location.

Hand protection 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.

Eye protection 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 or dusts.

Skin 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.

09 – PHYSICAL AND CHEMICAL PROPERTIES

General information
Appearance

Physical state	Liquid. [paste]
Colour	Grey.
Odour	Slight
Important health, safety and environmental information	
Flash point	Closed cup: >100°C (>212°F)
Density	1,42 to 1,48 g/cm3 [23°C (73,4°F)]
Solubility	Insoluble in the following materials: cold water and hot water.

10 – STABILITY AND REACTIVITY

Stability	The product is stable.
Conditions to avoid	No specific data.
Materials to avoid	No specific data.
Hazardous decomposition products	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

11 – TOXICOLOGICAL INFORMATION

Potential acute health effects

Inhalation	Exposure to decomposition products may cause a health hazard. Serious effects may be delayed following exposure.
Ingestion	No known significant effects or critical hazards.
Skin contact	No known significant effects or critical hazards.
Eye contact	No known significant effects or critical hazards.

Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
titanium dioxide	LD Intratracheal	Rat	>100 ug/kg	-
	TDLo Intratracheal	Rat	5 mg/kg	-
	TDLo Intratracheal	Rat	1,6 mg/kg	-
	TDLo Intratracheal	Rat	1,25 mg/kg	-
	TDLo Oral	Rat	60 g/kg	-
silane, ethenyltrimethoxy-	LD50 Dermal	Rabbit	3360 uL/kg	-
	LD50 Oral	Rat	7340 uL/kg	-

Conclusion/Summary : Not available.

Potential chronic health effects

Chronic toxicity

Conclusion/Summary : Not available.

Irritation/Corrosion

Conclusion/Summary : Not available.

Sensitiser

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.
Chronic effects : No known significant effects or critical hazards.
Carcinogenicity : No known significant effects or critical hazards.
Mutagenicity : No known significant effects or critical hazards.
Teratogenicity : No known significant effects or critical hazards.
Developmental effects : No known significant effects or critical hazards.
Fertility effects : No known significant effects or critical hazards.

Over-exposure signs/symptoms

Inhalation No specific data.
Ingestion No specific data.
Skin No specific data.
Eyes : No specific data.
Target organs Contains material which may cause damage to the following organs: lungs, upper respiratory tract, skin.

12 – ECOLOGICAL INFORMATION

Environmental effects : No known significant effects or critical hazards.

Aquatic ecotoxicity

Product/ingredient name	Test	Result	Species	Exposure
titanium dioxide	-	Acute EC50 >1000000 ug/L Fresh water	Daphnia - Water flea - Daphnia magna	48 hours
	-	Acute LC50 >1000000 ug/L Marine water	Fish - Mummichog - Fundulus heteroclitus	96 hours

Conclusion/Summary : Not available.

Biodegradability

Conclusion/Summary : Not available.
Other adverse effects : No known significant effects or critical hazards.

13 – DISPOSAL CONSIDERATIONS

Hazardous waste Within the present knowledge of the supplier, this product is not regarded as hazardous waste, as defined by EU Directive 91/689/EEC.

14 – TRANSPORT INFORMATION

International transport regulations

Regulatory information	UN number	Proper shipping name	Classes	PG*	Label	Additional Information
ADR/RID Class	Not Regulated	-	-	-		-
ADN/ADNR Class	Not Regulated	-	-	-		-
IMDG Class	Not Regulated	-	-	-		-
IATA Class	Not Regulated	-	-	-		-

PG* : Packing group

15 – REGULATORY INFORMATION

EU regulations

Classification and labeling have been determined according to EU Directives 67/548/EEC and 1999/45/EC (including amendments) and take into account the intended product use.

Risk phrases This product is not classified according to EU legislation.
Product use : Industrial applications.
Europe inventory : **Europe inventory:** Not determined.

Other EU regulations
Additional warning phrases : Safety data sheet available for professional user on request.

16 – ALTRE INFORMAZIONI

Full text of R-phrases : referred to in sections 2 and 3 - United Kingdom (UK)
R10- Flammable.
R20- Harmful by inhalation.
R36- Irritating to eyes.

Full text of classifications : referred to in sections 2 and 3 - United Kingdom (UK)
Xn - Harmful
Xi - Irritant

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Notice to reader

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