

1907/2006

Commercial Product Name: Triflex Cryl R 238, Ton 7021
grauschwarz

Revision date: 19.03.2008

Article-No.: 22380-721

Version: 2/en

Print date: 05.06.2008

1. Identification of the substance/preparation and company

Commercial Product Name	Triflex Cryl R 238, Ton 7021 grauschwarz	
Address	Triflex GmbH & Co. KG Karlstraße 59 D-32423 Minden Telephone: +49 (0) 571 / 3 87 80 - 0 FAX: +49 (0) 571 / 3 87 80 - 738 Email: sicherheitsdatenblatt@triflex.de	
Importer	Import für CH: Triflex Verkaufsbüro, D. Urech Schützenweg 6 CH-5722 Gränichen Tel: +41 62 842 98 22 Fax +41 62 842 98 23 Niederland: Triflex BV Postbus 40128 NL-8004 DC Zwolle Tel: +31 38 4602050 Fax +31 38 4603857	United Kingdom: Triflex (UK) Ltd. Whitebridge Way GB - STONE, STAFFORDSHIRE ST15 8G Tel: +44 1782 374374 Fax +44 1782 374373 Belgie: Triflex Belgie Mallekotstraat 65 B-2500 Lier Tel: +32 4 918390 Fax +32 4 918392
Responsible Department	Environmental Department +049 - 0571/9339-176	
Emergency telephone number	Outside USA: -001 703 527 3887 (D814) In USA: -800 424 9300 (D814)	
Contact person	Environmental Department	
Use	grouting mortar	

2. Hazards possibilities

Classification and labelling according to Directive 67/548/EEC.	F; R11 R43
R-phrases)	R11: Highly flammable. R43: May cause sensitisation by skin contact.
Hazard symbols	F: Highly flammable Xi: Irritant

3. Composition / information on ingredients

Chemical characterization	Mixture with reactive acrylates
Hazardous ingredients	

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Ingredient	CAS No.	EG-No.	Index-No.	Classification	Concentration
METHYL METHACRYLATE	80-62-6	201-297-1	607-035-00-6	F; R11;Xi; R37/38;R43	10.0 - 15.0 % by weight
2-ETHYLHEXYL ACRYLATE	103-11-7	203-080-7	607-107-00-7	Xi; R37/ 38;R43	5.0 - 10.0 % by weight
2-METHOXY-1-METHYLE- THYL ACETATE	108-65-6	203-603-9	607-195-00-7	R10;Xi; R36	< 0.5 % by weight
REACTION PRODUCT:BISPHENOL A- (EPICHLORHYDRIN), EPOXY RESIN (NUMBERAVERAGE MOLECULAR WEIGHT <= 700)	25068-38-6	500-033-5	603-074-00-8	Xi; R36/ 38;R43;N; R51/53	< 0.5 % by weight
XYLENE	1330-20-7	215-535-7	601-022-00-9	R10;Xn; R20/ 21;Xi; R38	< 0.5 % by weight
1.1'-(p- Tolylimino)dipropan-2-ol	38668-48-3	254-075-1		T; R25;Xi; R36;R52/53	< 0.5 % by weight

4. First aid measures

General advice	Move out of dangerous area. Take off all contaminated clothing immediately. Do not leave the victim unattended. Show this safety data sheet to the doctor in attendance.
If inhaled	Move to fresh air. If symptoms persist, call a physician. Show this safety data sheet to the doctor in attendance.
In case of skin contact	Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. If skin irritation occurs, seek medical advice/attention.
In case of eye contact	In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
If swallowed	Rinse mouth. Do NOT induce vomiting. Call a physician immediately.

5. Firefighting measures

Suitable extinguishing media	Carbon dioxide (CO ₂) , Foam , Water spray , Dry powder
Extinguishing media which must not be used for safety reasons	High volume water jet
Special exposure hazards arising from the substance or preparation itself, its combustion products, or released gases	Violent polymerization may be caused by: Extremes of temperature and direct sunlight. Hazardous decomposition products formed under fire conditions.
Special protective equipment for firefighting	In the event of fire, wear self-contained breathing apparatus.

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Additional information on firefighting	Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. Do not allow run-off from fire fighting to enter drains or water courses.
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6. Accidental release measures

Personal precautions	Ensure adequate ventilation. Solvent vapours are heavier than air and may spread along floors. Use personal protective equipment.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not flush into surface water or sanitary sewer system. Avoid subsoil penetration.
Methods for cleaning up	Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Clean contaminated surface thoroughly.
Other information	Treat recovered material as described in the section "Disposal considerations".

7. Handling and storage

Advice on safe handling	Processing may lead to evolution of flammable volatiles. In case of insufficient ventilation, wear suitable respiratory equipment. Keep product and empty container away from heat and sources of ignition. Handle and open container with care. Avoid contact with skin and eyes.
Advice on protection against fire and explosion	Take precautionary measures against static discharges. Vapours may form explosive mixture with air. Use water spray to cool unopened containers.
Precautions	Smoking, eating and drinking should be prohibited in the application area. For personal protection see section 8. Observe label precautions.
Storage space and container requirements	Storage must be in accordance with the BetrSichV (Germany). Keep in a cool, well-ventilated place. Keep in an area equipped with solvent resistant flooring. Keep in properly labelled containers. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

8. Exposure controls / personal protection

Respiratory protection	Vapour during processing may be irritating to the respiratory tract and to the eyes. When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.
remarks:	Recommended Filter type: A1, A2 (bei höheren Konzentrationen) Use the indicated respiratory protection if the occupational exposure limit is exceeded and/or in case of product release (dust).

Material Safety Data Sheet as per regulation (EC)



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Hand protection	Protective gloves complying with EN 374. Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion, and the contact time.
Unsuitable material: Suitable material:	woven fabric , Leather gloves Nitrile
Eye protection	Tightly fitting safety goggles
Skin and body protection	Wear suitable protective equipment. Long sleeved clothing
General protective and hygiene measures	Handle in accordance with good industrial hygiene and safety practice. Keep away from food, drink and animal feedingstuffs. Wash hands before breaks and at the end of workday. Use protective skin cream before handling the product. Avoid contact with the skin and the eyes.
Engineering measures	Ensure adequate ventilation, especially in confined areas. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.

Ingredients with occupational exposure limits to be monitored

METHYL METHACRYLATE

WEL/EH40	Short term exposure limit	416 mg/m ³ 100 ppm
	Long-term value	50 ppm 208 mg/m ³

2-METHOXY-1-METHYLETHYL ACETATE

WEL/EH40	Short term exposure limit	100 ppm 548 mg/m ³
	Long-term value	50 ppm 274 mg/m ³

2000/39/EC	remarks	Haut
	Short term exposure limit	550 mg/m ³ 100 ppm
	Long-term value	275 mg/m ³ 50 ppm

XYLENE

WEL/EH40	Short term exposure limit	100 ppm 441 mg/m ³
	Long-term value	50 ppm 220 mg/m ³

2000/39/EC	remarks	Haut
	Short term exposure limit	442 mg/m ³ 100 ppm
	Long-term value	221 mg/m ³ 50 ppm

9. Physical and chemical properties

Form	Pasty
Colour	grey to black
Odour	typic for acrylates
Flash point	10 °C
Density	appr. 1,83 g/cm ³
Water solubility	

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remarks:	insoluble
pH	
remarks:	neutral
Viscosity, dynamic	appr. 150 – 170 dPa*s
temperature:	20 °C
Measuring method:	Haake-Viscotester

10. Stability and reactivity

Hazardous reactions	The product is normally supplied in a stabilized form. If the permissible storage period and/or storage temperature is noticeably exceeded, the product may polymerize with heat evolution. Risk of receptacle bursting.
Materials to avoid	Reacts violently with peroxides. Reducing agents , Strong bases , Amines , Oxidizing agents
Conditions to avoid	Extremes of temperature and direct sunlight.

11. Toxicological information

Experience in practice	Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting. Irritating to eyes, respiratory system and skin. Irritating to mucous membranes
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12. Environmentally-specific information

Further information on ecology	We have no quantitative data concerning the ecological effects of this product.
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13. Disposal considerations

Disposal considerations	According to the European Waste Catalogue, Waste Codes are not product specific, but application specific. The following Waste Codes are only suggestions:
Waste Code	08 04 09*: waste adhesives and sealants containing organic solvents or other dangerous substances The EWC Nr. only apply for the liquid product. 08 04 10: waste adhesives and sealants other than those mentioned in 08 04 09 The EWC Nr. only apply for the liquid product. 08 01 12: waste paint and varnish other than those mentioned in 08 01 11 The EWC Nr. only apply for the liquid product. 17 02 03: plastic This EWC Nr. only apply for the hardened product.

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Uncleaned empty packaging -

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14. Transport information

Land transport

UN-No:	1263
Description of the goods:	FARBE
English description of the goods:	PAINT
Class:	3
Packaging group:	III
ADR/RID-Labels:	3
remarks:	(including paint, lacquer, enamel, stain, shellac, varnish, polish, liquid filler and liquid lacquer base)
Risk No.:	30
Category:	3
Classification Code:	F1
SP 640:	640E

Marine transport IMDG/GGVSee

UN-No:	1263
Proper shipping name:	PAINT
Class:	3
Packaging group:	III
ADR/RID-Labels:	3
remarks:	(including paint, lacquer, enamel, stain, shellac solutions, varnish, polish, liquid filler and liquid lacquer base)
EmS:	F-E;_S-E

Air transport ICAO/IATA

UN-No:	1263
Proper shipping name:	Paint
Class:	3
Packaging group:	III
ADR/RID-Labels:	3
remarks:	(including paint, lacquer, enamel, stain, shellac, varnish, polish, liquid filler and liquid lacquer base)

15. Legal specifications

Hazard symbols



F: Highly flammable

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Xi



Xi: Irritant

Hazardous component(s) to be indicated on label

METHYL METHACRYLATE, 2-ETHYLHEXYL ACRYLATE

R-phrases(s)

R11: Highly flammable.
R43: May cause sensitisation by skin contact.

S-phrases(s)

S16: Keep away from sources of ignition – No smoking.
S24: Avoid contact with skin.
S37: Wear suitable gloves.
S60: This material and its container must be disposed of as hazardous waste.
S9: Keep container in a well-ventilated place.

Special labelling for certain preparations

Enthält epoxidhaltige Verbindungen. Hinweise des Herstellers beachten.

16. Other information

Further information

Full text of R-phrases referred to under sections 2 and 3

R phrases applying to ingredients

R10: Flammable.
R11: Highly flammable.
R20/21: Harmful by inhalation and in contact with skin.
R25: Toxic if swallowed.
R36: Irritating to eyes.
R36/38: Irritating to eyes and skin.
R37/38: Irritating to respiratory system and skin.
R38: Irritating to skin.
R43: May cause sensitisation by skin contact.
R51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R52/53: Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Department issuing safety data sheet

Environmental Department

This information is provided in accordance with the current status of our knowledge and experience. The Safety Data Sheet describes products with a view to relevant safety requirements. This information does not constitute a warranty of properties, features or qualities.