

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form : Mixture
Name : Water Repellent Coating for Glass and Perspex
Product code : G5

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.2.1. Relevant identified uses

Intended for general public
Main use category : Consumer use, Professional use, Industrial use
Use of the substance/mixture : Windscreen sealig for inner-city traffic conditions

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

GTECHNIQ LTD
Unit 2 Langfurlong
Upper Heyford
Northampton
Northamptonshire
NN7 3FA
United Kingdom

Tel: +44 (0)1604 962 553

1.4. Emergency telephone number

Emergency number : +44 (0)1604 962553

Country	Organisation/Company	Address	Emergency number
Ireland	National Poisons Information Centre Beaumont Hospital	Beaumont Hospital Beaumont Road 9 Dublin	: +353 1 8379964
United Kingdom	National Poisons Information Service (NHS Direct)	http://www.npis.org	111 (England & Wales only) or 112 (EU) or 08454 24 24 24 (Scotland)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

Flam. Liq. 3: H226;
Skin Corr. 1B: H314;
Aquatic Chronic 3: H412

Adverse physicochemical, human health and environmental effects

Flammable liquid and vapour. Causes severe skin burns and eye damage. Harmful to aquatic life with long-lasting effects.

2.2. Label elements

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

Hazard statements : H226: Flammable liquid and vapour.
H314: Causes severe skin burns and eye damage.
H412: Harmful to aquatic life with long-lasting effects.

Hazard pictograms : GHS02: Flame
GHS05: Corrosion



Precautionary statements (CLP) : P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P260: Do not breathe vapour.
P280: Wear protective gloves and eye/face protection.

P303+361+353: IF ON SKIN (or hair): Immediately remove all contaminated clothing. Rinse skin with water/shower.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P273: Avoid release to the environment.

P337+313: If eye irritation persists: Get medical advice/attention.

No labelling applicable.

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

METHANESULPHONIC ACID

EINECS	CAS	REACH No.	CLP Classification	Percent
200-898-6	75-75-2	01-2119491166-34-0000	Met. Corr. 1: H290 Skin Corr. 1B: H314	5 - 10

HYDROCARBONS, C10-12, ISO ALKANES, <2% AROMATICS

EINECS	CAS	REACH No.	CLP Classification	Percent
923-037-2	-	01-2119471991-29-0000	Flamm. Liq. 3: H226 Asp. Tox. 1: H304 Aquatic Chronic 2: H411	5 - 10

HYDROCARBONS, C4, 1, 3-BUTADIENE-FREE, POLYMD., TRIISOBUTYLENE FRACTION, HYDROGENATED

EINECS	CAS	REACH No.	CLP Classification	Percent
297-629-8	93685-81-5	-	Flamm. Liq. 3: H226 Asp. Tox. 1: H304 Aquatic Chronic 4: H413	12.5 - 20

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures after inhalation	: Remove casualty to fresh air and keep warm and at rest. In case of irregular breathing or respiratory arrest, provide artificial respiration.
First-aid measures after skin contact	: Remove contaminated, saturated clothing immediately. After contact with skin, wash immediately with plenty of water and soap. Do not use solvents or thinners.
First-aid measures after eye contact	: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Seek medical advice immediately.
First-aid measures after ingestion	: If swallowed, rinse mouth with water (only if the person is unconscious). Seek medical advice immediately. Keep victim calm. Do NOT induce vomiting.

4.2. Most important symptoms and effects, both acute and delayed

No additional information available

4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically. In all cases of doubt, or when symptoms persist, seek medical advice.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	: Alcohol-resistant foam, carbon dioxide, powder, spray mist.
Unsuitable extinguishing media	: Strong water jet.

5.2. Special hazards arising from the substance or mixture

Hazardous decomposition products in case of fire	: Dense black smoke occurs during fire. Inhaling hazardous decomposing products can cause serious health damage.
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5.3. Advice for firefighters

Protection during firefighting : Provide a conveniently-located respiratory protective device. Do not allow water used to extinguish fire to enter drains, ground or waterways. Treat runoff as hazardous. Cool closed containers that are near the source of the fire.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures**

Keep away from sources of ignition. Ventilate affected area. Do not breathe vapours.

6.1.1. For non-emergency personnel

Emergency procedures : Ventilate spillage area.

6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

6.2. Environmental precautions

Do not allow to enter into surface water or drains. If the product contaminates lakes, rivers or sewages, inform competent authorities in accordance with local regulations.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Take up liquid spill into absorbent material.
Other information : Dispose of materials or solid residues at an authorized site.

6.4. Reference to other sections

For further information refer to sections 7 and 8 on protective provisions.

SECTION 7: Handling and storage**7.1. Precautions for safe handling**

Precautions for safe handling : Avoid formation of flammable and explosive vapour concentrations in the air and exceeding the exposure limit values. Only use the material in places where open light, fire and other flammable sources can be kept away. Electrical equipment must be protected meeting the accepted standard. Product may become electrostatically charged. Provide earthing of containers, equipment, pumps and ventilatio facilities. Anti-static clothing including shoes is recommended. Floors must be electrically conductive. Keep away from heat sources, sparks and open flames. Use only spark-proof tools. Avoid contact with skin, eyes and clothes. Do not inhale dusts, particulates and spray mist when using this preparation. Avoid respiration of swarf. When using do not eat, drink or smoke. Personal protection equipment: refer to chapter 8. Do not empty containers with pressure – no pressure vessel! Always keep in containers that correspond to the material of the original container. Follow the legal protection and safety regulations.

Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Storage in accordance with the Ordinance on Industrial Safety and Health (BetrSiVO). Keep container tightly closed. Access only for authorised persons. Store carefully closed containers upright to prevent any leaks. Soils have to conform to the 'Guidelines for avoidance of ignition hazards due to electrostatic charges (BGR 132). Keep away from strongly acidic and alkaline materials as well as oxidisers. Take care of instructions on label. Store in a well-ventilated and dry room at temperatures between 15°C and 30°C. Protect from heat and direct sunlight. Remove all sources of ignition. Smoking is forbidden.

7.3. Specific end use(s)

Observe technical data sheet. Observe instructions for use. Read label before use.


SECTION 8: Exposure controls/personal protection**8.1. Control parameters**

No additional information available

8.2. Exposure controls

Appropriate engineering controls : Provide good ventilation. This can be achieved with local or room suction. If this should not be sufficient to keep aerosol and solvent vapour concentration below the exposure limit values, a suitable respiratory protection must be used.

Personal protective equipment : Protective clothing. Protective goggles. Gloves.

Hand protection	: For prolonged or repeated handling the following glove material must be used: NBR (nitrile rubber)/Butyl caoutchouc (butyl rubber). Thickness of glove material: >= 0.7mm Breakthrough time (maximum wearing time): 480 min Observe the instructions and details for use, storage, maintenance and replacement provided by the protective glove manufacturer. Penetration time of glove material depending on intensity and duration of exposure to skin. Recommended glove articles DIN EN 374 Barrier creams can help protect exposed skin areas. In no case should they be used after contact.
Eye protection	: Wear closely fitting protective glasses in case of splashes.
Skin and body protection	: Wear antistatic clothing of natural fibres (cotton) or heat resistant synthetic fibres.
Respiratory protection	: If concentration of solvents is beyond the occupational exposure limit values, approved and suitable respiratory protection must be used. Observe the wear time limits according to GefStoffV in combination with the rules for using respiratory protection apparatus (BGR 190). Use only respiratory protection equipment with CE-symbol including four digit test number. Recommended respiratory protection: Respiratory protective device with half mask filter material type A. The standards EN 136, 140 and 405 of the European Commission for Standardisation (CEN) make recommendations to respirators; the standards EN 149 and EN 143 provide recommendations to respiratory filters.
	
Environmental exposure controls	: Do not allow to enter into surface water or drains. See section 7. No additional measures necessary.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Colour	: Beige
Odour	: Weak, characteristic
Odour threshold	: No data available
pH	: 1.5 - 2
Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: Not applicable
Freezing point	: No data available
Boiling point	: No data available
Flash point	: 31°C
Auto-ignition temperature	: 200°C
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapour pressure	: No data available
Relative vapour density at 20 °C	: 0.92 g/cm ³
Relative density	: No data available
Solubility	: Insoluble
Log Pow	: No data available
Viscosity, kinematic	: >100 mPa-s
Viscosity, dynamic	: >100 mPa-s
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: 1.3% lower limit, 24.3% upper limit

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

10.2. Chemical stability

Stable when applying the recommended regulations for storage and handling. Further information on correct storage: refer to section 7.

10.3. Possibility of hazardous reactions

Keep away from strong acids, strong bases and strong oxidising agents to avoid exothermic reactions.

10.4. Conditions to avoid

Hazardous decomposition byproducts may form with exposure to high temperatures.

10.5. Incompatible materials

No additional information available.

10.6. Hazardous decomposition products

Hazardous decomposition byproducts may form with exposure to high temperatures, e.g. carbon dioxide, carbon monoxide, smoke, nitrous oxides.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

METHANESULPHONIC ACID

DRM	RBT	LD50	1000-2000	mg/kg
ORL	RAT	LD50	647.8	mg/kg

HYDROCARBONS, C10-12, ISO ALKANES, <2% AROMATICS

DRM	RBT	LD50	>5000	mg/kg
ORL	RAT	LD50	>5000	mg/kg
IN	RAT	LC50	>5	mg/l

HYDROCARBONS, C4, 1,4-BUTADIENE-FREE, POLYMD., TRIISOBUTYLENE FRACTION, HYDROGENATED

DRM	RAT	LD50	>5000	mg/kg
ORL	RAT	LD50	>15000	mg/kg

Hazard	Route	Basis
Skin corrosion/irritation	DRM	Hazardous: calculated; causes burns.
Serious eye damage/irritation	OPT	Hazardous: calculated; causes burns.

Respiratory or skin sensitisation	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
Specific target organ toxicity (single exposure)	: Not classified
Specific target organ toxicity (repeated exposure)	: Not classified
Aspiration hazard	: Not classified

Other observations:

Inhaling of solvent components above the MWC-value can lead to health damage, e.g. irritation of the mucous membrane and respiratory organs, as well as damage to the liver, kidneys and the central nervous system. Indications for this are: headache, dizziness, fatigue, amyosthenia, drowsiness, and in serious cases unconsciousness. Solvents may cause some of the aforementioned effects through skin resorption. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and/or absorption through skin. Splashing may cause eye irritation and reversible damage.

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : There is no information available on the preparation itself. Do not allow to enter into surface water or drains.

HYDROCARBONS, C10-12, ISO ALKANES, <2% AROMATICS

Daphnia toxicity	Daphnia magna (big water flea): 1000 mg/L; 48h; ELO Pseudokirchneriella subcapitata: 1000 mg/L; 72h; ELO Pseudokirchneriella subcapitata: 1000 mg/L; 72h; NOELR
Fish toxicity	Oncorhynchus mykiss (rainbow trout): 1000 mg/L; 96h; LL0

HYDROCARBONS, C4, 1, 3-BUTADIENE-FREE, POLYMD., TRIISOBUTYLENE FRACTION, HYDROGENATED

Daphnia toxicity Daphnia magna (big water flea): >0.04 mg/L; 48h; EC50

Long-term Ecotoxicity

HYDROCARBONS, C10-12, ISO ALKANES, <2% AROMATICS

Daphnia toxicity Daphnia magna (big water flea): <1 mg/L; 21d; NOELR

12.2. Persistence and degradability

METHANESULPHONIC ACID

Biodegradation: >70% (28d); evaluation readily biodegradable according to OECD criteria.
Method: OECD 301A/ ISO 7827/ EEC 92/69/V, C.4-A

HYDROCARBONS, C10-12, ISO ALKANES, <2% AROMATICS

Biodegradation: 31.3% (28d); evaluation readily biodegradable according to OECD criteria.

12.3. Bioaccumulative potential

METHANESULPHONIC ACID

Distribution coefficient (n-octanol/water) (log P OW): -2.38.
Method: literature value
Based on the n-octanol/water partition coefficient accumulation in organisms is not expected.

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

12.6. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

- Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.
- Waste disposal recommendations : Do not allow to enter into surface water or drains. This material and its container must be disposed of in a safe way. Waste disposal according to directive 2008/98/EC, covering waste and dangerous waste.
- Proposed waste codes/designations : 190208: liquid combustible wastes containing dangerous substances.
- Packaging recommendation : Non-contaminated packages may be recycled. Vessels not properly emptied are special waste.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

ADR	IMDG	IATA	ADN	RID
14.1. UN number				
3295				
14.2. UN proper shipping name				
Hydrocarbons, liquid, n.o.s.	HYDROCARBONS, LIQUID, N.O.S.	Hydrocarbons, liquid, n.o.s.	Not applicable	Hydrocarbons, liquid, n.o.s.
14.3. Transport hazard class(es)				
3				
14.4. Packing group				
III				
14.5. Environmental hazards				
Dangerous for the environment : No	Dangerous for the environment : No Marine pollutant : No	Dangerous for the environment : No	Dangerous for the environment : No	Dangerous for the environment : No

14.6. Special precautions for user

Transport always in closed, upright and safe containers. Make sure that persons transporting the product know what to do in case of an accident or leakage. Advice on safe handling: see sections 6-8.

14.6.1. Overland transport

Tunnel restriction code D/E

14.6.2. Transport by sea

EmS-No. F-E, S-D

14.6.3. Air transport**14.6.4. Inland waterway transport****14.6.5. Rail transport****14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**

Not applicable

SECTION 15: Regulatory information**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****15.1.1. EU-Regulations****VOC Switzerland:**

Weight fraction in % : 24.00

15.1.2. National regulations**Restrictions of occupation**

Observe employment restrictions under the Maternity Protection Directive (92/85/EEC) for expectant or nursing mothers.

Observe restrictions to employment for juveniles according to the 'juvenile work protection guideline' (94/33/EC).

15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

SECTION 16: Other information**Additional information**

Classification for mixtures and used evaluation method according to regulation (EC) 1207/2008 [CLP]

Phrases used in s.2 and s.3: H290: May be corrosive to metals.
H314: Causes severe skin burns and eye damage.
H226: Flammable liquid and vapour.
H304: May be fatal if swallowed and enters airways.
H411: Toxic to aquatic life with long-lasting effects.
H413: May cause long-lasting harmful effects to aquatic life.

SDS EU_NSC

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.