

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

1.1. Product identifier

Product form : Mixture
Name : Tyre and Trim
Product code : T1

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
Use of the substance/mixture : Leather Care

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

GTECHNIQ LTD
Bridge Business Park
Upper Heyford
Northamptonshire
NN7 3NA
UK

Tel: +44 (0)1604 962553

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;
Aquatic Chronic 3: H412.

Adverse physicochemical, human health and environmental effects

Flammable liquid and vapour. 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.
H412: Harmful to aquatic life with long-lasting effects.

Precautionary statements (CLP) : P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P273: Avoid release to the environment.
P280: Wear protective gloves/protective clothing/eye protection/face protection.
P303+P361+P353: IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower.
P403+P235: Store in a well-ventilated place. Keep cool.

Supplemental hazard information (EU)

EUH066: Repeated exposure may cause skin dryness or cracking.
EUH208: Contains zirconium tetrabutanolate. May produce an allergic reaction.

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

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	12.5 - 20

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	25 - 50

ZIRCONIUM TETRABUTANOLATE

EINECS	CAS	REACH No.	CLP Classification	Percent
213-995-3	1071-76-7	-	Eye Irrit. 2: H319 Skin Sens. 1: H317	<0.5

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 skins, 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 conscious). Seek medical advice immediately. Keep victim calm. Do NOT induce vomiting.

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

In all cases of doubt, or when symptoms persist, seek medical advice. In case of unconsciousness give nothing by mouth, place in recovery position and seek medical advice.

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

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	: Alcohol-resistant foam, carbon dioxide, powder, spray mist, (water)
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.
--------------------------------------------------	------------------------------------------------------------------------------------------------------------------

5.3. Advice for firefighters

Protection during firefighting	: Provide a conveniently located respiratory 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****6.1.1. For non-emergency personnel**

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

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 : Isolate leaked material using non-flammable absorption agent (e.g. sand, earth, vermiculite, diatomaceous earth) and collect it for disposal in appropriate containers in accordance with the local regulations (see chapter 13). Clean using cleansing agents. Do not use solvents.

6.4. Reference to other sections

Observe protective provisions (sections 7 and 8).

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 ventilation facilities. Anti-static clothing including shoes are 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. Do not empty containers with pressure - no pressure vessel! Follow the legal protection and safety regulations.

Precautions against fire and explosion : Vapours are heavier than air. Vapours form explosive mixtures with air.

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). 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. Keep container tightly closed. Access only for authorised persons. Store carefully closed containers upright to prevent any leaks. Always keep in containers that correspond to the material of the original container. Soils have to conform to the 'Guidelines for avoidance of ignition hazards due to electrostatic charges (BGR 132)'.
Joint storage : Keep away from strongly acidic and alkaline materials as well as oxidisers.

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) / FKM (fluoro rubber). Thickness of the glove material ≥ 0.7 mm 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	: Colourless
Odour	: Like organic solvents
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: Not applicable
Freezing point	: No data available
Boiling point	: 116°C
Flash point	: 28°C
Auto-ignition temperature	: 200°C
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapour pressure	: NB
Relative vapour density at 20 °C	: No data available
Relative density	: 0.82 g/cm ³
Solubility	: Insoluble
Log Pow	: No data available
Viscosity, kinematic	: 76 mPa-s
Viscosity, dynamic	: 76 mPa-s
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: Lower: 0.6% vol, upper: 7% vol

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

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, nitrogen oxides.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

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

IVN	RAT	LC50	>5	mg/L
DRM	RBT	LD50	>5000	mg/kg
ORL	RAT	LD50	>5000	mg/kg

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

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

Skin corrosion/irritation	: Not classified
Serious eye damage/irritation	: Not classified
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 nerve 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

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; LLO

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

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

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

12.3. Bioaccumulative potential

No additional information available

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 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. (hydrocarbons, c4, 1, 3-butadiene-free, polymol, triisobutylene fraction, hydrogenated)	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 % : 60.00

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 for the substances in this preparation.

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: H319: Causes serious eye irritation.
H317: May cause an allergic skin reaction.
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.