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Triton TT SWELL MASTIC S2

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier

Product name TT SWELL MASTIC

Synonyms

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

Recommended use Sealant/adhesive, For professional users only.

1.3 Details of the supplier of the safety data sheet

Triton Systems

Units 3-5 Crayford Commercial Centre, Greyhound Way

Crayford, Kent DA1 4HF

Tel: 01322 318830 Fax: 01322 524017

Info@tritonsystems.co.uk - www.tritonsystems.co.uk

1.4 Emergency telephone number

Emergency number: +44 (0) 1322 318830 (0900 – 1700 UK time)

2. HAZARD IDENTIFICATION

2.1 Classification of the substance or mixture

Type of product Mixture**Classification (Regulation (EC) No. 1272/2008)**

Serious eye damage	Category 1 – H318: Causes serious eye damage
Skin sensitisation	Category 1 – H317: May cause an allergic skin reaction.

2.2 Label Elements:

Labelling (Regulation (EC) No 1272/2008)**Hazard pictograms (CLP)****Signal word (CLP)**

Danger

Hazard statements: (CLP)

H317: May cause an allergic skin reaction.

H318: Causes serious eye damage

Precautionary statements:**Prevention**

P261: Avoid breathing dust/fume/gas/mist/vapours/spray

P280: Wear protective gloves/ eye protection/face protection

Response

P305 + P351 + P338 + P310 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Immediately call a POISON CENTRE or doctor/physician

P333 + P313: If skin irritation or rash occurs: Get medical advice/irritation.

P362 + P364: Take off contaminated clothing and wash it before reuse.

Disposal

P501: Dispose of contents/container to an approved waste disposal plant.

Hazardous components which must be listed on the label:

- 233-135-0

Aluminium Sulphate

- 500-06-2

Hexamethylene diisocyanate, oligomerisation product (biuret type)

**Additional Labelling:**

EUH204 Contains isocyanates. May produce an allergic reaction.

Special labelling of certain preparations Contains cement low in chromate according to EN 196-10**2.3 Other hazards:**

The substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

3. COMPOSITION & INFORMATION ON INGREDIENTS**3.2 Mixtures****Hazardous components**

Chemical Name CAS-No EC-No Registration number	Classification (REGULATION (EC) 1272/2008)	Concentration [%]
Aluminium sulphate hydrate 17927-65-0 233-135-0 Reach exempt.	Eye Dam. 1; H318	>= 25 - < 50
Oxydipropyl dibenzoate 27138-31-4 248-258-5 Reach exempt.	Aquatic Chronic2; H412	>= 5 - < 10
N,N-dibenzyliden polyoxypropylene diamine (polymer) 136855-71-5	Skin Irrit.2; H315	>= 5 - < 10
Hexamethylene diisocyanate, oligomerisation product (biuret type) 28182-81-2 500-060-2 Contains: Hexamethylene-di-isocyanate <=0,4 %	Acute Tox.4; H332 Skin Sens.1; H317 STOT SE3; H335	>= 5 - < 10
γ-butyrolactone 96-48-0 202-509-5 01-2119471839-21-XXXX	Acute Tox 4: H302 Eye Irrit.2; H319	>= 3 - < 5

For the full text of the H-statements mentioned in this section, see Section 16

4. FIRST AID MEASURES**4.1 Description of First Aid Measures**

General advice	Move out of dangerous area. Consult a physician. Show this safety data sheet to the doctor in attendance.
Inhalation	Move to fresh air. Consult a physician after significant exposure.
Skin contact	Take off contaminated clothing and shoes immediately. Wash off with soap and plenty of water. If symptoms persist, call a physician.
Eye contact	Small amounts splashed into eyes can cause irreversible tissue damage and blindness. In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Continue rinsing eyes during transport to hospital. Remove contact lenses. Keep eye wide open while rinsing.
Ingestion	Do not induce vomiting without medical advice. Rinse mouth with water. Do not give milk or alcoholic beverages. Never give anything by mouth to an unconscious person.
Protection of First-aiders	Use personal protective equipment.

4.2 Most important symptoms and effects, both acute and delayed**Symptoms** Eye irritation. Irritation to respiratory system and skin.**4.3 Indication of any immediate medical attention and special treatment needed****Notes to physician** Treat symptomatically



5. FIRE-FIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

5.2 Special hazards arising from the substance or mixture

Hazardous combustion products No hazardous decomposition products are known.

5.3 Advice for fire-fighters

Special protective equipment for firefighters In the event of fire, wear self-contained breathing apparatus.

Further information Standard procedure for chemical fires.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Personal Precautions Use personal protective equipment. Deny access to unprotected persons.

6.2 Environmental precautions

Environmental precautions Do not flush into surface water or sanitary sewer system.

6.3 Methods and material for containment and cleaning up

Methods for cleaning up Soak up with inert absorbent material (e.g., sand, silica gel, acid binder, universal binder, sawdust).
Keep in suitable, closed containers for disposal.

6.4 Reference to other sections

For personal protection see Section 8.

7. HANDLING AND STORAGE

7.1 Precautions for safe handling

Advice on safe handling Do not breathe vapours or spray mist. Avoid exceeding the given occupational exposure limits (See section 8) Do not get in eyes, on skin, or on clothing. For personal protection see section 8. Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used. Smoking, eating and drinking should be prohibited in the application area. Follow standard hygiene measures when handling chemical products.

Advice on protection against Fire and explosion

Normal measure to preventive fire protection.

Hygiene measures

Handle in accordance with good industrial hygiene and safety practice. When using, do not eat or drink. When using do not smoke. Wash hand before breaks and at the end of the workday.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers

Keep container tightly closed in a dry and well-ventilated place. Store in accordance with local regulations.

Other data

No decomposition if stored and applied as directed.

7.3 Specific end use(s)

Specific uses) No data available

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Components with workplace control parameters

Components	CAS-No	Value	Control Parameters *	Basis *
Aluminium Soluble Salt	17927-65-0	TWA	2 mg/m ³	GB EH40

8.2 Exposure controls

Personal protective equipment

Eye/Face Protection

Safety glasses with side shields. Eye wash bottle with pure water.

Hand Protection

Chemical-resistant, impervious gloves complying with an approved standard must be worn at all times when handling chemical products. Reference number EN 374. Follow manufacturers specifications.

Suitable for short time use or protection against splashes: Butyl rubber/nitrile rubber gloves (0,4 mm), Contaminated gloves should be removed. Suitable for permanent exposure: Viton gloves (0.4 mm), breakthrough time >30 min.

Skin and body protection

Protective clothing (e.g. Safety shoes acc. to EN ISO 20345, long-sleeved working clothing, long trousers). Rubber aprons and protection boots additionally recommended for mixing and stirring work.

Respiratory protection

Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

Organic vapour filter (Type A)

A1: < 1000 ppm; A2: < 5000 ppm; A3: < 1000 ppm

Ensure adequate ventilation. This can be achieved by local exhaust extraction or by general ventilation. (EN 689 – Methods for determining inhalation exposure). This applied in particular to the mixing / stirring area. In case this is not sufficient to keep the concentrations under the occupational exposure limits then respiration protection measures must be used.



Environmental Exposure Controls

General advice

Do not flush into surface water or sanitary sewer system.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance:	Paste
Colour:	Red
Odour:	Characteristic
Odour threshold:	No data available
Flash point	ca. 98 °C
Autoignition temperature	No data available
Lower explosion limit (Vol-%)	No data available
Upper explosion limit (Vol-%)	No data available
Flammability	No data available
Oxidising properties	No data available
pH	No data available
Melting point/range/freezing point	No data available
Boiling point/boiling range	No data available
Vapour pressure	No data available
Density	ca. 1,3 g/cm ³ at 20 °C
Water solubility	Note: insoluble
Partition coefficient: n-octanol/water	No data available
Viscosity, kinematic	> 20,5 mm ² /s at 40 °C
Relative vapour density	No data available
Evaporation Rate	No data available

9.2 Other information

No data available



10. STABILITY AND REACTIVITY

10.1 Reactivity

No dangerous reaction known under conditions of normal use.

10.2 Chemical stability

The product is chemically stable.

10.3 Possibility of hazardous reactions

Hazard reactions

Stable under recommended storage conditions

10.4 Conditions to avoid

Conditions to avoid

No data available

10.5 Incompatible materials

Materials to avoid

No data available

10.6 Hazardous decomposition products

Hazardous decomposition products

No decomposition if stored and applied as directed.

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects.

Acute toxicity

Not classified based on available information.

Components

Hexamethylene diisocyanate, oligomerisation product (biuret type):

Acute oral toxicity	D50 Oral (Rat): > 5.000 mg/kg
Acute inhalation toxicity	Acute toxicity estimate: 1,5 mg/l Test atmosphere: dust/mist Method: Expert judgement
Acute dermal toxicity	LD50 Dermal (Rabbit): > 2.000 mg/kg

Skin Corrosion/irritation

Not classified based on available information.

Serious eye damage/eye irritation

Causes serious eye damage.

Respiratory or skin sensitisation

Skin sensitisation: May cause an allergic skin reaction.
Respiratory sensitisation: Not classified based on available information.

Germ cell mutagenicity

Not classified based on available information.

Carcinogenicity

Not classified based on available information.

Reproductive toxicity

Not classified based on available information.

STOT (single exposure)

Not classified based on available information.

STOT (repeated exposure)

Not classified based on available information.

Aspiration toxicity

Not classified based on available information.

12. ECOLOGICAL INFORMATION

12.1 Toxicity

No data available.

12.2 Persistence and degradability

No data available.

12.3 Bioaccumulative potential

No data available.

12.4 Mobility in soil

No data available

12.5 Results of PBT and vPvB assessment

Assessment

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher..

12.6 Other adverse effects

No data available.



13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Product	The generation of waste should be avoided or minimized wherever possible. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe way. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.
European Waste Catalogue	08 04 09* waste adhesives and sealants containing organic solvents or other dangerous substances.
Contaminated packaging	15 01 10* packaging containing residues of or contaminated by dangerous substances.

14. TRANSPORT INFORMATION

ADR	Not dangerous goods
IATA	Not dangerous goods
IMDG	Not dangerous goods

14.6 Special precautions for user

No data available

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

No applicable.

15. REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

Prohibition/Restriction

REACH – Restrictions on the manufacture, placing on the market and use of certain dangerous substances, preparations and articles (Annex XV11) Not applicable

REACH – Candidate list of Substances of Very High Concern for Authorisation (Article 59) None of the components are listed (=> 0.1 %)

REACH – List of substances subject to Authorisation (Annex XIV) Not applicable

REACH information All substances contained in our products are

- Preregistered or registered by our upstream suppliers, and/or
- Preregistered or registered by us, and/or
- Excluded from the regulation, and/or
- Exempted from the registration.

Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances.

Not applicable

VOC-CH (VOCV) 3,44 %

VOC-EU (solvent) 3,44 %

If other regulatory information applies that is not already provided elsewhere in the Safety Data Sheet, then it is described in this subsection.



Health, safety and environmental regulation/legislation specific for the substance or mixture

The chemicals (Hazard Information and Packaging for Supply) Regulations 2002.
Control of Substances Hazardous to Health Regulations 2002
The Management of Health and Safety at Work Regulations 1999
Health and Safety at Work Act 1974
Environmental Protection Act 1990 & Subsidiary Regulations.

This product contains substances for which Chemical Safety Assessments are still required.

16. OTHER INFORMATION

Full text of H

H302	Harmful if swallowed
H315	Cause skin irritation
H317	May cause an allergic skin reaction
H318	Causes serious eye damage
H319	Causes serious eye irritation
H332	Harmful if inhaled
H335	May cause respiratory irritation
H412	Harmful to aquatic life with long lasting effects

Full text of other abbreviations

Acute Tox.	Acute toxicity
Aquatic Chronic	Chronic aquatic toxicity
Eye Dam.	Serious eye damage
Eye Irrit.	Eye irritation
Skin Irrit.	Skin irritation
Skin Sens.	Skin sensitisation
STOT SE	Specific target organ toxicity – single exposure
ADR	Accord européen relative au transport international des marchandises Dangereuses par Route
CAS	Chemical Abstracts Service
DNEL	Derived no-effect level
EC50	Half maximal effective concentration
GHS	Globally Harmonised System
IATA	International Air Transport Association
IMDG	International Maritime Code for Dangerous Goods
LD50	Median lethal dose (the amount of a material, given all at once, which causes the death of 50% (one half) of a group of test animals.
LC50	Median lethal concentration (concentration of chemical in the air that kills 50% of the test animals during the observation period)
MARPOL	International Convention for the Prevention of Pollution from Ships, 1973 as modified by the Protocol of 1978
OEL	Occupational Exposure Limit
PBT	Persistent, bioaccumulative and toxic
PNEC	Predicted no effect concentration
REACH	Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency
SVHC	Substances of Very High Concern
vPvB	Very persistent and very bioaccumulative

This safety data sheet complies with the requirements of Annex of Regulation (EU) 2015/830

The information provided in this safety data sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information provided is designed only as guidance for safe use, processing, handling, storage, transport, release and disposal. It is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for use in combination with any other materials or in any process, unless specified in this safety data sheet.