



T&T Eco

SAFETY DATA SHEET

**Triple7
Colloidal Concentrate**

INFO SAFE No.: LQ5XP
ISSUED Date : 23/01/2017
ISSUED by: T&T Eco

1. IDENTIFICATION

GHS Product Identifier	:	Triple7 Colloidal Concentrate
Product Code	:	AACC-5 5 litres, AACC-20 20 litres, AACC-200 200 litres, AACC-BB 1000 litres GECA Certified, HACCP Approved
Company Name	:	Track and Train Limited (T&T Eco)
Address	:	J R House 236 Imperial Drive, Rayners Lane, Harrow, Middlesex, HA2 7HJ, United Kingdom
Telephone	:	+44 (0) 7599 516 240
Emergency phone number	:	+44 (0) 7599 516 240
E-mail	:	mike@tandteco.com
Recommended use of the chemical and restrictions on use	:	Biodegradable bio based surface cleaner. Heavy duty degreaser. Environmentally responsible quick break detergent. Super Concentrate. No restrictions on use.
Additional Information	:	Contains no ozone depleting substances. Safe for rubbers and seals. Triple7 Colloidal Concentrate is free of all toxic ingredients including petroleum products, glycol ethers, Quats, Bleach, terpenes, strong acids, caustics, phosphates, lauryl sulphates, and volatile organic compounds (VOC's.) This product is Readily Biodegradable according to Australian Standards AS4351

2. HAZARD IDENTIFICATION

GHS classification of the substance/mixture

Not classified as Hazardous according to the Globally Harmonised System of Classification and Labelling of Chemicals (GHS) including Work, Health and Safety regulations, Australia.

Not classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail. (7th edition)




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3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients

Name	CAS	Proportion
Ingredients determined not to be hazardous		100 %

4. FIRST-AID MEASURES

Inhalation

If inhaled, remove affected person from contaminated area. Keep at rest until recovered. If symptoms develop and/or persist seek medical attention.

Ingestion

Do not induce vomiting. Wash out mouth thoroughly with water. Seek medical attention.

Skin

Wash affected area thoroughly with soap and water. If symptoms develop seek medical attention.

Eye Contact

If in eyes, hold eyelids apart and flush the eyes continuously with running water. Remove contact lenses. Continue flushing for several minutes until all contaminants are washed out completely. If symptoms develop and/or persist seek medical attention.

First Aid Facilities

Eyewash, safety shower and normal washroom facilities.

Advice to Doctor

Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Use appropriate fire extinguisher for surrounding environment.

Unsuitable Extinguishing Media

Water jet.

Hazards from Combustion Products

Under fire conditions this product may emit toxic and/or irritating fumes including oxides of nitrogen, carbon monoxide and carbon dioxide.

Specific Hazards Arising From The Chemical

The product itself does not burn. No unusual fire or explosion hazards noted.

Decomposition Temperature

Not available



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Precautions In Connection With Fire

Fire fighters should wear Self-Contained Breathing Apparatus (SCBA) and full protective clothing to prevent exposure to vapours, fumes or products of combustion. Water spray may be used to cool down heat-exposed material. If safe to do so, remove containers from path of fire. Do not allow run-off from fire fighting to enter drains or water courses.

6. ACCIDENTAL RELEASE MEASURES

Emergency Procedures

Wear appropriate personal protective equipment and clothing. Stop the leak if safe to do so. Evacuate unprotected personnel. If possible contain the spill. Surfaces may become slippery after spillage. Flush residue with ample water. If spilt on electrical equipment will cause short-circuits. Place inert absorbent, non-combustible material onto spillage.

Collect the material and place into suitable labelled containers for recycling or disposal. Dispose of waste according to the applicable local and national regulations.

7. HANDLING AND STORAGE

Precautions for Safe Handling

Avoid inhalation of vapours and mists, and skin or eye contact. Use only in a well-ventilated area. Keep containers sealed when not in use. Prevent the build-up of mists or vapours in the work atmosphere. Maintain high standards of personal hygiene by washing hands prior to eating, drinking, smoking or using toilet facilities.

Conditions for safe storage, including any incompatibilities

Store in a cool, dry, well-ventilated area, out of direct sunlight. Protect from freezing. Freezing will affect the physical condition but will not damage the material. Store in suitable, labelled containers. Keep containers tightly closed. Store away from incompatible materials. Ensure that storage conditions comply with applicable local and national regulations.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational exposure limit values

No exposure standards have been established for the mixture. However, over-exposure to some chemicals may result in enhancement of pre-existing adverse medical conditions and/or allergic reactions and should be kept to the least possible levels.

Biological Limit Values

No biological limits allocated.

Appropriate Engineering Controls

Use with good general ventilation. If mists or vapours are produced, local exhaust ventilation should be used.

Respiratory Protection

With normal use, respirators are not normally required. If engineering controls are not effective in controlling airborne exposure then an approved respirator with a replaceable vapour /mist filter should be used. Refer to relevant regulations for further information concerning respiratory protective requirements. Reference Should be made to European Agency for Safety & Health at Work

(<https://osha.europa.eu/en/themes/dangerous-substances/practical-tools-dangerous-substances/respiratorprotective-equipment>).



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re: Selection, use & maintenance of respiratory Protective Devices (RPE) in order to make any necessary changes for individual circumstances.

Eye Protection

Safety glasses with side shields or chemical goggles should be used. Final choice of appropriate eye/face protection will vary according to individual circumstances. Eye protection devices should conform to relevant regulations.

Eye protection devices should conform with European Personal eye protection Standard EN 166, for Industrial Applications

Hand Protection

Wear gloves of impervious material such as light weight rubber. Final choice of appropriate gloves will vary according to individual circumstances. i.e. methods of handling or according to risk assessments undertaken. Occupational protective gloves should conform to relevant regulations.

Reference should be made to European Standards EN ISO 374:2016 & 420 for safe Hand Protection (gloves) - Selection, use & maintenance.

Body Protection

Suitable protective work wear, e.g. cotton overalls buttoned at neck and wrist. When large quantities are handled the use of plastic aprons and rubber boots is recommended.

9. PHYSICAL AND CHEMICAL PROPERTIES

Properties	Description	Properties	Description
From	Liquid	Appearance	Clear free flowing liquid
Colour	Yellow to light amber	Odour	Mild surfactant
Decomposition Temperature	Not available	Melting Point	0°C (ASTM 097)
Boiling Point	100°C (ASTM 01120)	Solubility in Water	100% soluble
Specific Gravity	-1.01 (15.5°C) (ASTM 0891)	Ph	9.9-10.9
Vapour Pressure	< 5 mm Hg (37.8°C) (ASTM D323)	Vapour Density (Air=1)	Not available
Evaporation Rate	>5 (relative to xylene)	Odour Threshold	Not available
Viscosity	5 cPs (24°C) (ASTM 02196)	Volatile Component	Volatiles: 93% by wt. (including water) (105°C) (ASTM 0800)VOC: None measurable by USEPA 601, 602, 608
Partition Coefficient: n-octanol/water	Not available	Density	-1.01 kg/l (15°C)
Flash Point	>100°C (ASTM D93 Closed Cup)	Flammability	Not flammable
Auto-Ignition Temperature	Not applicable	Flammable Limits - Lower	Not applicable
Flammable Limits - Upper	Not applicable	Other Information	Surface Tension: 31.5 dynes/cm (ASTM 01331)



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10. STABILITY AND REACTIVITY

Reactivity

Reacts with incompatible materials.

Chemical Stability

Stable under normal conditions of storage and handling.

Conditions to Avoid

Extremes of temperature and direct sunlight.

Incompatible materials

Not available

Hazardous Decomposition Products

Thermal decomposition may result in the release of toxic and/or irritating fumes, smoke and gases including: carbon monoxide and carbon dioxide.

Possibility of hazardous reactions

Not available

Hazardous Polymerization

Will not occur

11. TOXICOLOGICAL INFORMATION

Toxicology Information

The available toxicity data is given below.

Acute Toxicity – Oral

LD50 (rat): >5000 mg/kg bw

Acute Toxicity – Dermal

LD50 (rabbit): >2000 mg/kg bw

Ingestion

Ingestion of this product may irritate the gastric tract causing nausea and vomiting.

Inhalation

Inhalation of product vapours may cause irritation of the nose, throat and respiratory system.

Skin

Causes mild skin irritation. Skin contact will cause redness, itching and swelling. Repeated exposure may cause skin dryness and cracking and may lead to dermatitis.

Primary Skin Irritation in Rabbits: Cat. III, Moderate Irritation at 72-hrs.

Eye

Causes mild eye irritation. On eye contact this product can cause tearing, stinging, blurred vision, and redness.

Sample caused minimal ocular irritation (In Vitro Ocular Irritation test)




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Respiratory sensitisation

Not expected to be a respiratory sensitiser.

Skin Sensitisation

Not expected to be a skin sensitiser.

Germ cell mutagenicity

Not considered to be a mutagenic hazard.

Carcinogenicity

Not considered to be a carcinogenic hazard.

Reproductive Toxicity

Not considered to be toxic to reproduction.

STOT-single exposure

Not expected to cause toxicity to a specific target organ.

STOT-repeated exposure

Not expected to cause toxicity to a specific target organ.

Aspiration Hazard

Not expected to be an aspiration hazard.

12. ECOLOGICAL INFORMATION

Ecotoxicity

The available ecological data is given below. Eco toxicity for this product meets the Australian 2012 Oil Spill Control

Agents requirements and is overall practically non-toxic (IMO/GESAMP classification.) Reference ESA TR1034 May2013.

Persistence and degradability

This product is Readily Biodegradable according to Australian Standards AS435.

Mobility

The product is miscible with water. May be spread in water systems.

Bioaccumulative Potential

Does not bioaccumulate.

Other Adverse Effects

Not available

Environmental Protection

Prevent large amounts from entering waterways, drains and sewers.

Acute Toxicity – Fish

LC50 (Pimephales promelas): 316mg/l/96h (100% survival at 100 mg/l)



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Acute Toxicity – Algae

EC50 (Skeletonema costatum): 18.74 mg/kg/72h

Other Information

EC50 (Saccostrea glomerata): 17.1 ppm

EC50 (Saccostrea echinata): 17.5 ppm

EC50 (Mytilus galloprovincialis): 13.2 ppm

EC50 (Parvocalanus crassisotris): 14.7 ppm

EC50 (Allorchestres compressa): > 20 ppm

EC50 (Lates calcarifer): > 20 ppm

EC50 (Heliocidaris tuberculata): 13.8 ppm

IC50 (Isochrysis aff. galbana): 8.6 ppm

IC50 (Nitzschia closterium): > 20 ppm

EC50 (Hormosira banksia): > 20ppm

13. DISPOSAL CONSIDERATIONS

Disposal considerations

Dispose of waste according to applicable local and national regulations.

14. TRANSPORT INFORMATION

Transport Information

Road and Rail Transport (ADG Code):

Not classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail (ADG Code) (7th edition).

Marine Transport (IMO/IMDG):

Not classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea.

Air Transport (ICAO/IATA):

Not classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air.

U.N. Number	: None Allocated
UN proper shipping name	: None Allocated
Transport hazard class(es)	: None Allocated
IMDG Marine pollutant	: No
Transport in Bulk	: Not available
Special Precautions for User	: Not available

15. REGULATORY INFORMATION

Regulatory information

Not classified as Hazardous according to the Globally Harmonised System of Classification and labelling of Chemicals (GHS) including Work, Health and Safety regulations, Australia.



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Not classified as a Scheduled Poison according to the Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP).

Poisons Schedule

Not Scheduled

16. OTHER INFORMATION

Date of preparation or last revision of SDS

SDS reviewed: January 2017

Supersedes: September 2016

References

- Preparation of Safety Data Sheets for Hazardous Chemicals Code of Practice.
- Standard for the Uniform Scheduling of Medicines and Poisons.
- Australian Code for the Transport of Dangerous Goods by Road & Rail.
- Model Work Health and Safety Regulations, Schedule 10: Prohibited carcinogens, restricted carcinogens and restricted hazardous chemicals.
- Workplace exposure standards for airborne contaminants, Safe work Australia.
- American Conference of Industrial Hygienists (ACGIH).
- Globally Harmonised System of classification and labelling of chemicals.

Other Information

GECA (Good Environmental Choice) Certified CPv2.2-2012 Cleaning Products

HACCP (for use in registered food establishments) Approved

END OF SDS

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