

## Safety Data Sheet (SDS) TRO SL/01

According to UN GHS 9th Ed

Revision Date: 2022/04/11

Page 1 of 9

First print date: 2018/09/25

Version: 1.1

### SECTION 1. IDENTIFICATION OF THE SUBSTANCE AND OF THE COMPANY/UNDERTAKING

#### Product identifier:

Identification as on the label/Trade name: **TRONIC**

**Additional information:** Product code TRO SL/01

#### Relevant identification uses of the substance and uses advised against:

**Identified uses:** Adjuvant.

**Uses advised against:** Use only as directed.

#### Details of the supplier of the Safety Data Sheet:

AECI Limited  
14 Field Road, LILANTON

#### Emergency telephone numbers:

Griffon Poison information centre: 082 446 8946

Poisons Information Helpline: 0861 555 777

AECI Limited: (011) 823 8000 (o/h) Spill Tech: 086 100 0366 (a/h)

### SECTION 2. HAZARD IDENTIFICATION

#### Classification of the substances or mixture

The mixture is classified according to:

| SANS 10234:2019, Regulation EC 1272/2008 [EU-GHS/CLP] |                  |
|-------------------------------------------------------|------------------|
| Hazard classes/Hazard categories                      | Hazard statement |
| Flammable liquid (Category 3)                         | H226             |
| Aspiration toxicity (Category 1)                      | H304             |
| Skin irritation (Category 2)                          | H315             |
| Serious eye damage (Category 1)                       | H318             |
| Carcinogenicity (Category 1B)                         | H350             |
| STOT RE 1                                             | H372             |

*For full text of H statements see section 16*

#### The most important adverse effects

**The most important adverse physiochemical effects:** Flammable liquid and vapour.

**The most important adverse human health effects:** Causes serious eye damage. Causes skin irritation.

## Safety Data Sheet (SDS) TRO SL/01

Page 2 of 9

According to UN GHS 9th Ed

Revision Date: 2022/04/11

### Label elements

#### Hazard pictograms:



**Signal Word: Danger**

**Hazard Statements:** H226 Flammable liquid and vapour. H304 May be fatal if swallowed and enters airways. H315 Causes skin irritation. H318 Causes serious eye damage. H350 May cause cancer. H372 Causes damage to central nervous system through prolonged or repeated exposure.

**Precautionary Statements:** P201 Obtain special instruction before use. P202 Do not handle until all safety precautions have been read and understood. P210 Keep away from heat, hot surfaces, open flames and other ignition sources. No smoking. P260 Do not breathe mist/ vapours/ spray. P264 Wash thoroughly after handling. P280 Wear protective gloves/ protective clothing/ eye protection/ face protection. . P302+P352 IF ON SKIN: Wash with plenty of water. P33+P313 if skin irritation or rash occurs: Get medical attention. P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P301 + P312 IF SWALLOWED: Call a POISON CENTRE or doctor/ physician if you feel unwell.

**Special labelling of certain mixtures:** None.

**Other hazards:** None

### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

**Substance/Mixture:** Mixture

#### Ingredients:

| Substance name (IUPAC/EC)       | CAS –No.   | Concentration<br>% by weight | Classification                                                                                  |
|---------------------------------|------------|------------------------------|-------------------------------------------------------------------------------------------------|
|                                 | EC-No.     |                              | EC1272/2008                                                                                     |
| Solvent naptha                  | 64742-88-7 | 20-30%                       | Aspiration hazard (Category 1) H304. STOT SE RE 1 H372.                                         |
|                                 | 265-191-7  |                              |                                                                                                 |
| Distillates petroleum           | 64742-56-9 | 1-10%                        | Carcinogenicity (Category 1B) H350.                                                             |
|                                 | 265-259-2  |                              |                                                                                                 |
| Isotridecanol, ethoxylated      | 69011-36-5 | 30-40%                       | Serious eye damage (Category 1) H318.                                                           |
|                                 | 500-241-6  |                              |                                                                                                 |
| Dicocodimethylammonium chloride | 61789-77-3 | 1-5%                         | Acute toxicity oral (Category 4) H302. Skin corrosion (Category 1B) H314. Aquatic acute 1 H400. |
|                                 | 263-087-6  |                              |                                                                                                 |
| 2-propanol                      | 67-63-0    | 1-5%                         | Flammable liquid (Category 2) H3225. Eye irritation (Category 2) H319. STOT SE 3 H336.          |
|                                 | 200-289-5  |                              |                                                                                                 |

*For full text of H statements see section 16*

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

## Safety Data Sheet (SDS) TRO SL/01

Page 3 of 9

According to UN GHS 9th Ed

Revision Date: 2022/04/11

### SECTION 4. FIRST AID MEASURES

#### Description of first aid measures:

**In case of inhalation:** If inhaled, immediately transfer patient to nearest hospital or medical centre, warning by telephone of the estimated arrival time so that the start of treatment is not delayed. Get medical attention immediately.

**In case of skin contact:** In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention immediately.

**In case of eye contact:** Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Cold water may be used. Get medical attention immediately.

**In case of ingestion** Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention.

#### Most important symptoms and effects, both acute and delayed:

**Inhalation:** Harmful if inhaled and enters airways.

**Ingestions:** May be harmful if swallowed.

**Skin contact:** Causes skin irritations.

**Eye contact:** Causes serious eye damage.

#### Indication of any immediate medical attention and special treatment needed:

Immediate medical attention is required if exposure to the product. Repeated exposure to a toxic material may produce general deterioration of health by an accumulation in one or many human organs.

### SECTION 5. FIRE -FIGHTING MEASURE

#### Extinguisher media:

**Suitable extinguisher media:** Carbon dioxide, foam dry chemical and water fog.

**SMALL FIRE:** Extinguish small fires with carbon dioxide, dry powder, or alcohol-resistant foam.

**LARGE FIRE:** Water spray can be used for larger fires or cooling of unaffected stock but avoid the accumulation of polluted run-off from the site.

**Unsuitable extinguishing media:** Do not use high volume water jet, due to contamination risk.

#### Special hazards arising from the mixture:

During a fire, irritating and possibly toxic gasses may be generated by thermal decomposition or combustion. Closed container may explode if pressure builds up. Toxic or irritating gas may be generated during fire.

#### Advice for fire-fighters:

Isolate the fire area and evacuate downwind. Remove containers from fire area if possible and without risk. Fight fire from maximum distance and use unmanned hose holder or monitor nozzles. Contain fire control agents for later disposal. Avoid inhaling hazardous vapours, fire fighters should wear positive pressure self-contained breathing apparatus (SCBA) and full turnout gear. Be sure to use an approved/certified respirator or equivalent.

Dyke fire control water for later disposal. Avoid pollution of waterways. Contain water used for firefighting for later disposal, avoid the accumulation of polluted run-off from the site.

### SECTION 6. ACCIDENTAL RELEASE

#### Personal precautions, protective equipment and emergency procedures:

**For non-emergency personnel:** Keep all personal away may be toxic by inhalation.

## Safety Data Sheet (SDS) TRO SL/01

Page 4 of 9

According to UN GHS 9th Ed

Revision Date: 2022/04/11

**For emergency responders:** Use an approved/certified respirator or equivalent, isolate the spill area and limit the access to emergency responders only. Avoid any contact with spilled material, use adequate protective clothes and gloves.

### Environmental precautions:

Stop leak if without risk. Do not get water inside container. Do not touch spilled material. Use water spray to reduce vapours. Prevent entry into sewers, basements or confined areas; dike if needed. Call for assistance on disposal.

### Methods for containment and cleaning up:

**For small spills** Contain spilled material if possible. Collect in suitable and properly labelled containers. Absorb with materials such as: sand, earth, vermiculite or diatomaceous earth

**For large spills** Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in well labelled container for disposal according to local regulations.

### Reference to other sections:

See section 7 for information on safe handling.

See section 8 for information on personal protection equipment.

See section 13 for information on disposal.

### Additional information:

None.

## SECTION 7. HANDLING AND STORAGE

### Precautions for safe handling:

Use adequate protective equipment to avoid direct contact of product. Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. Do not get in eyes or on skin or clothing.

**Protective measures:** Observe directions on label and instructions for use.

**Advice on general occupational hygiene:** Do not eat drink or smoke when handling this product.

### Conditions for safe storage, including incompatibilities:

Store product in a segregated and approved area. Keep container in a cool, well-ventilated area. Keep container tightly closed and sealed until ready for use. Avoid all possible sources of ignition (spark or flame).

### Specific end uses:

Use as directed. Use original container.

## SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control parameters:

**Occupational exposure limits (OEL):** None

**Biological exposure indices (BEI):** None

**Additional exposure limits under the conditions of use:** None.

## Safety Data Sheet (SDS) TRO SL/01

Page 5 of 9

According to UN GHS 9th Ed

Revision Date: 2022/04/11

### Exposure control:

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday. A Risk Assessment should be conducted before handling is to commence to determine specific exposure control.

**Appropriate engineering controls:** Provide exhaust ventilation or other engineering controls. Ensure that eyewash stations and safety showers are proximal to the work-station location.

**Hygiene measures:** Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Ensure that eyewash stations and safety showers are close to the workstation location.

**Eye/face protection:** Use safety glasses. If there is a potential for exposure to particles which could cause eye discomfort, wear chemical goggles.

**Hand protection:** Use chemical resistant gloves. Examples of preferred glove barrier materials include Nitrile/butadiene rubber, Polyethylene, Ethyl vinyl alcohol laminate, Polyvinyl alcohol, Polyvinyl chloride.

**Body protection:** Appropriate impervious clothing is required to prevent skin contact with the product.

**Respiratory protection:** Respiratory protection is required; use an approved air-purifying respirator.

**Environmental exposure controls:** Prevent product from entry into sewers and water courses.

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

### Information on basic physical and chemical properties

**Appearance (form):** Liquid.

**Colour:** Light colour.

**Odour:** Strong- characteristic.

**Odour threshold:** No information available.

**pH:** 7 (100%).

**Melting point/range (°C):** No information available.

**Boiling point/range (°C):** No information available.

**Flash point (°C):** 42 °C (ASTM D93).

**Evaporation rate:** No information available.

**Flammability (solid, gas):** No information available

**Ignition temperature (°C):** No information available.

## Safety Data Sheet (SDS) TRO SL/01

According to UN GHS 9th Ed

Revision Date: 2022/04/11

Page 6 of 9

**Upper/lower flammability/explosive limits:** No information available.

**Vapour pressure (20°C):** No information available.

**Vapour density:** No information available.

**Density (25°C):** No information available.

**Water solubility (g/l) at 20°C:** No information available.

**n-Octanol/Water partition coefficient:** No information available.

**Auto-ignition temperature:** No information available.

**Decomposition temperature:** No information available.

**Viscosity:** No information available.

### Physical hazards:

**Explosive properties:** Not explosive.

**Oxidising properties:** Not an oxidiser.

### Other information:

**Fat solubility (solvent-oil to be specified):** No information available.

**Bulk density:** No information available.

**Dissociation constant in water (p Ka):** No information available.

**Oxidation-reduction potential:** No information available.

## SECTION 10. STABILITY AND REACTIVITY

### Reactivity:

The product is stable under normal conditions. Avoid elevated temperatures.

### Chemical stability:

Stable under normal storage conditions for 2 years.

### Possibility of hazardous reactions:

Reactive to oxidizing agents.

### Conditions to avoid:

Heat, sparks, flame and build-up of static electricity. Non-reactive with reducing agents, combustible materials, organic materials, metals, acids, alkalis.

## Safety Data Sheet (SDS) TRO SL/01

Page 7 of 9

According to UN GHS 9th Ed

Revision Date: 2022/04/11

### Incompatible materials:

Incompatible with oxidizers.

### Hazardous decomposition products:

Carbon monoxide, carbon dioxide, sulphur oxides and other toxic gases may be released in thermal decomposition.

## SECTION 11. TOXICOLOGICAL INFORMATION

### Toxicokinetics, metabolism and distribution:

**Non-human toxicological data:** No Information available.

### Excretion: Acetochlor:

In animals, extensively metabolised in rats and readily eliminated in the excreta.

### Information on toxicological effects:

#### Acute toxicity:

Acute oral LD<sub>50</sub> for rats 21 505 mg/kg (calculated).

**Chronic toxicity:** No information available.

### Skin corrosion/irritation:

#### Isotridecanol, ethoxylated

Mildly irritating for rabbit.

### Eye damage/irritation.

#### Isotridecanol, ethoxylated

Irreversible damage for rabbits.

**Respiratory or skin sensitization:** No information available.

**Germ cell mutagenicity:** No information available.

**Carcinogenicity:** No information available.

**Reproductive toxicity:** No information available.

**STOT-single exposure:** No information available.

**Aspiration hazard:** No information available.

## SECTION 12. ECOLOGICAL INFORMATION

### Toxicity:

#### Isotridecanol, ethoxylated

**Fish:** LC<sub>50</sub> (96 h) for *Leuciscus idus* >1-<10 mg/ℓ.

**Daphnia:** LC<sub>50</sub> (48 h) *Daphnia magna* >1-<10 mg/ℓ.

**Aquatic plants:** EC<sub>50</sub> (72 h) >1-<10 mg/ℓ.

**Microorganisms effect on activates sludge:** EC<sub>10</sub> (17 h) > 2500 mg/ℓ.

### Persistence and degradability:

## Safety Data Sheet (SDS) TRO SL/01

Page 8 of 9

According to UN GHS 9th Ed

Revision Date: 2022/04/11

No information available.

### Bioaccumulative potential:

No information available.

### Mobility in soil

No information available.

### Results of PBT& vPvB assessment:

No information available.

### Other adverse effects:

No information available.

## SECTION 13. DISPOSAL CONSIDERATIONS

### Waste treatment methods:

Consider suitable waste recycling, re-use or recovery options. Dispose of in accordance with municipal, provincial and national regulations. Waste Classification and Management Regulations (GN 634 of 2013). Dispose and or manage in accordance with the requirements contained in R634 Waste Classification & Management Regulations, R635 National Norms & Standards for the Assessment of Waste for Landfill Disposal and R636 National Norms & Standards for Disposal of Waste to Landfill.

### Product/ packaging disposal:

Treat as hazardous waste and dispose of in accordance with municipal, provincial and national regulations.

## SECTION 14. TRANSPORT INFORMATION

|                                                                       | Land transport (ADR/RID) | Sea transport (IMDG)    | Air transport (ICAO/IATA) |
|-----------------------------------------------------------------------|--------------------------|-------------------------|---------------------------|
| UN-Number                                                             | 1993                     | 1993                    | 1993                      |
| UN Proper shipping name:                                              | FLAMMABLE LIQUID, N.O.S  | FLAMMABLE LIQUID, N.O.S | FLAMMABLE LIQUID, N.O.S   |
| Transport hazard class:                                               | 3                        | 3                       | 3                         |
| Packaging group:                                                      | III                      | III                     | III                       |
| Marine pollutant:                                                     | No                       | No                      | No                        |
| Special precautions for user:                                         | No information           | No information          | No information            |
| Transport in bulk according to MARPOL 73/78 Annex II and the IBC code | No information           | No information          | No information            |

**Inland waterways:** Not required.

**Emergency response information:** No information available.

## SECTION 15. REGULATORY INFORMATION

### Safety, health and environmental regulations/legislation for the mixture:

**Relevant information regarding authorization:** Occupational Health and Safety Act 1993. Regulation for Hazardous Chemical Agents, 2021. UN Recommendations on the Transport of Dangerous Goods Model Regulations Rev. 21 (2019), Globally Harmonized System of Classification and Labelling of Chemicals (GHS) Rev 9, 2021.

**ACGIH:** American Conference of Governmental Industrial Hygienists (ACGIH).

**Relevant information regarding restrictions:** None.

**EU regulations:** Regulation EC 1272/2008 [EU-GHS/CLP] and EU directives 67/548/EEC or EC 1999/45/EC.

## Safety Data Sheet (SDS) TRO SL/01

Page 9 of 9

According to UN GHS 9th Ed

Revision Date: 2022/04/11

**Other National regulations:** National Road Traffic Act, 1996 (ACT NO. 93 of 1996).

SANS 10228:2012- The identification and classification of dangerous goods for transport by road and rail modes.

National Environmental Management: Waste Act 59 of 2008.

**Chemical Safety Assessment carried out?** No

### SECTION 16. OTHER INFORMATION

#### Indication of changes:

All sections updated.

#### Relevant classification and H statements (number and full text):

STOT RE 1- Specific Target Organ Toxicity repeated exposure (Category 1)

STOT SE 3- Specific Target Organ Toxicity single exposure (Category 3)

H226 Flammable liquid and vapour. H302 Harmful if swallowed. H304 May be fatal if swallowed and enters airways. H314 Causes severe skin burns and eye damage. H315 Causes skin irritation. H318 Causes serious eye damage. H319 Causes serious eye irritation. H336 May cause drowsiness or dizziness. H350 May cause cancer. H372 Causes damage to organs through prolonged or repeated exposure.

#### Training instructions:

Use as indicated on the label, special training may be required for application.

#### Further information:

This information is based upon the present state of our knowledge. This SDS has been compiled and is solely intended for this product.

#### Notice to readers:

Employers should use this information only as a supplement to other information gathered by them and should make independent judgement of suitability of this information to ensure proper use and protect the health and safety of employees.

This information is furnished without warranty, and any use of the product not in conformance with this Safety Data Sheet, or in combination with any other product or process, is the responsibility of the user.