

Trade name: TRIAALFA ESSENSE  
Version: 9  
Date of revision: 20.05.2019

1. Identification of the substance/mixture and of the company/undertaking		
1.1	Product identifier	Trade name: TRIAALFA ESSENSE
1.2	Relevant identified uses of the substance or mixture and uses advised against	<b>Relevant identified uses of the substance or mixture and uses advised against:</b> No further relevant information available. <b>Application of the substance / the mixture:</b> Liquid organic fertilizer for use in agriculture and horticulture.
1.3	Details of the supplier of the safety data sheet	<b>Manufacturer/Supplier:</b> Hechenbichler GmbH, Cusanusweg 7-9, A-6020 Innsbruck, Austria. Tel.: +43 512 29 18 10-0 Fax: +43 512 29 18 10-23 E-mail: office@amalgerol.com
1.4	Emergency telephone number	Manufacturer during business hours (Monday – Thursday 7:30 – 12:00, 13:30 – 17:00; Friday 7:30 – 12:00): +43 512 29 18 10-0 Toxication information centre Vienna (24 hours): +43 1 406 43 43 European emergency telephone number: 112

2. Hazards identification		
2.1	Classification of the substance or mixture	<b>Classification according to Regulation (EC) No 1272/2008:</b> The product is not classified, according to the CLP regulation.
2.2	Label elements	<b>Labelling according to Regulation (EC) No 1272/2008:</b> Void <b>Hazard pictograms:</b> Void <b>Signal word:</b> Void <b>Hazard statements:</b> Void <b>Precautionary statements:</b> Void
2.3	Other hazards	<b>Results of PBT and vPvB assessment:</b> <b>PBT:</b> Not applicable. <b>vPvB:</b> Not applicable.

3. Composition/information on ingredients		
3.1	Substances	Not applicable.
3.2	Mixtures	<b>Description:</b> Mixture of the substances listed below with non-hazardous additions. <b>Dangerous components:</b> Void

4. First aid measures		
4.1	Description of first aid measures	<b>General information:</b> Immediately remove any clothing soiled by the product. Show in all cases safety data sheet to physician. <b>After inhalation:</b> Supply fresh air; consult doctor in case of complaints. <b>After skin contact:</b> Immediately wash with water and soap and rinse thoroughly. <b>After eye contact:</b> Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

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		<b>After swallowing:</b> Rinse out mouth and then drink plenty of water. Do not induce vomiting; call for medical help immediately.
4.2	<b>Most important symptoms and effects, both acute and delayed</b>	No further relevant information available.
4.3	<b>Indication of any immediate medical attention and special treatment needed</b>	No further relevant information available.

## 5. Firefighting measures

5.1	<b>Extinguishing media</b>	<b>Suitable fire extinguishing agents:</b> CO <sub>2</sub> , extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
5.2	<b>Special hazards arising from the substance or mixture</b>	Other noxious or toxic vapours and burning gases may be built in case of fire except carbonmonooxide and carbondioxide.
5.3	<b>Advice for fire fighters</b>	<b>Protective equipment:</b> Do not inhale burning gases, wear breathing respirators. <b>Additional information:</b> Dispose of fire debris and contaminated firefighting water in accordance with official regulations.

## 6. Accidental release measures

6.1	<b>Personal precautions, protective equipment and emergency procedures</b>	Wear protective clothing.
6.2	<b>Environmental precautions</b>	Do not allow to enter sewers/ surface or ground water. Dilute with plenty of water. Do not allow to penetrate the ground/soil.
6.3	<b>Methods and material for containment and cleaning up</b>	Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders).
6.4	<b>Reference to other sections</b>	See Section 7 for information on safe handling See Section 8 for information on personal protection equipment. See Section 13 for disposal information.

## 7. Handling and storage

7.1	<b>Precautions for safe handling</b>	Wear personal protective equipment. <b>Information about protection against explosions and fires:</b> No special measures required.
7.2	<b>Conditions for safe storage, including any incompatibilities</b>	<b>Requirements to be met by storerooms and receptacles:</b> No special requirements. <b>Information about storage in one common storage facility:</b> Not required. Do not store near food or feeding stuff. <b>Further information about storage conditions:</b> Protect from heat and direct sunlight. <b>Storage class:</b> 12 Keep out of reach of children and pets.
7.3	<b>Specific end use(s)</b>	No further relevant information available.

8. Exposure controls/personal protection		
8.1	Control parameters	<p><b>Components with limit values that require monitoring at the workplace:</b> The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.</p> <p><b>Additional information:</b> The lists that were valid during the creation were used as basis.</p>
8.2	Exposure controls	<p><b>Personal protective equipment</b></p> <p><b>General protective and hygienic measures:</b> Wash hands before breaks and at the end of work.</p> <p><b>Breathing equipment:</b> Not required.</p> <p><b>Protection of hands:</b> Protective gloves.</p> <p><b>Material of gloves:</b> The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material cannot be calculated in advance and has therefore to be checked prior to the application.</p> <p><b>Penetration time of glove material:</b> The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.</p> <p><b>Not suitable are gloves made of the following materials:</b> Leather gloves</p> <p><b>Eye protection:</b> Goggles recommended during refilling.</p> <p><b>Body protection:</b> Protective work clothing.</p>

9. Physical and chemical properties		
9.1	Information on basic physical and chemical properties	<p><b>Appearance:</b></p> <p>Form: liquid</p> <p>Colour: dark brown</p> <p><b>Odour:</b> characteristic</p> <p><b>Odour threshold:</b> Not determined.</p> <p><b>pH-value:</b> 5-6</p> <p><b>Change in condition</b></p> <p><b>Melting point/freezing point:</b> undetermined</p> <p><b>Initial boiling point and boiling range:</b> 100 °C</p> <p><b>Flash point:</b> Not applicable</p> <p><b>Decomposition temperature:</b> Not determined.</p> <p><b>Self-igniting:</b> Product is not self-igniting.</p> <p><b>Explosive properties:</b> Product does not present an explosion hazard.</p> <p><b>Explosion limits:</b></p> <p>Lower: Not determined.</p> <p>Upper: Not determined.</p> <p><b>Vapour pressure at 20 °C:</b> 23 hPa</p> <p><b>Density:</b> 1,23 g/cm<sup>3</sup></p> <p><b>Relative density:</b> Not determined.</p> <p><b>Vapour density:</b> Not determined.</p> <p><b>Evaporation rate:</b> Not determined.</p> <p><b>Solubility in / Mixability with water:</b> Fully miscible</p> <p><b>Partition-coefficient: n-octanol/water:</b> Not determined.</p> <p><b>Viscosity:</b></p> <p>dynamic: Not determined.</p> <p>kinematic: Not determined.</p>

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9.2	Other information	No further relevant information available.
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10. Stability and reactivity		
10.1	Reactivity	Stable under recommended transport, use and storage conditions.
10.2	Chemical stability	No decomposition under recommended transport, use and storage conditions.
10.3	Possibility of hazardous reactions	No hazardous reactions under recommended transport, use and storage conditions.
10.4	Conditions to avoid	Avoid heat, direct sun and frost.
10.5	Incompatible materials	N.A.
10.6	Hazardous decomposition products	No hazardous decomposition products are known when product is transported, used and stored according to the guidelines.

11. Toxicological information		
11.1	Information on toxicological effects	<p><b>Acute toxicity:</b> Based on available data, the classification criteria are not met.</p> <p><b>Primary irritant effect:</b></p> <p><b>Skin corrosion/irritation:</b> Based on available data, the classification criteria are not met.</p> <p><b>Serious eye damage/irritation:</b> Based on available data, the classification criteria are not met.</p> <p><b>Respiratory or skin sensitisation:</b> Based on available data, the classification criteria are not met.</p> <p><b>Subacute to chronic toxicity:</b> No data available.</p> <p><b>CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction):</b></p> <p><b>Germ cell mutagenicity:</b> Based on available data, the classification criteria are not met.</p> <p><b>Carcinogenicity:</b> Based on available data, the classification criteria are not met.</p> <p><b>Reproductive toxicity:</b> Based on available data, the classification criteria are not met.</p> <p><b>STOT-single exposure:</b> Based on available data, the classification criteria are not met.</p> <p><b>STOT-repeated exposure:</b> Based on available data, the classification criteria are not met.</p> <p><b>Aspiration hazard:</b> Based on available data, the classification criteria are not met.</p>

12. Ecological information		
12.1	Toxicity	<b>Aquatic toxicity:</b> No further relevant information available.
12.2	Persistence and degradability	Biodegradable.
12.3	Bioaccumulative potential	No further relevant information available.

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12.4	<b>Mobility in soil</b>	No further relevant information available. Additional ecological information: General notes: Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
12.5	<b>Results in PBT and vPvB assessment</b>	<b>PBT:</b> Not applicable. <b>vPvB:</b> Not applicable.
12.6	<b>Other adverse effects</b>	No further relevant information available.

### 13. Disposal considerations

13.1	<b>Waste treatment methods</b>	<b>Recommendation:</b> Must not be disposed of together with household garbage. Do not allow product to reach sewage system. Hand over to hazardous waste disposers. <b>European waste catalogue:</b> 02 00 00 WASTES FROM AGRICULTURE, HORTICULTURE, AQUACULTURE, FORESTRY, HUNTING AND FISHING, FOOD PREPARATION AND PROCESSING <b>Uncleaned packaging:</b> <b>Recommendation:</b> Disposal must be made according to official regulations. Uncleaned packaging has to be disposed like product. Empty container totally and dispose of at waste collecting point. <b>Recommended cleansing agent:</b> Water, if necessary with cleansing agents.
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### 14. Transport information

14.1	<b>UN-Number (ADR, ADN, IMDG, IATA)</b>	Void
14.2	<b>UN proper shipping name (ADR, ADN, IMDG, IATA)</b>	Void
14.3	<b>Transport hazard class(es) (ADR, ADN, IMDG, IATA)</b>	Void
14.4	<b>Packing group (ADR, IMDG, IATA)</b>	Void
14.5	<b>Environmental hazards</b>	Marine pollutant: No
14.6	<b>Special precautions for users</b>	Not applicable.
14.7	<b>Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code</b>	Not applicable.

Transport/Additional information: Not dangerous according to the above specifications.

### 15. Regulatory information

15.1	<b>Safety, health and environmental regulations/legislation specific for the substance or mixture</b>	<b>Labelling according to Regulation (EC) No 1272/2008:</b> Void <b>Hazard pictograms:</b> Void <b>Signal word:</b> Void <b>Hazard statements:</b> Void <b>Precautionary statements:</b> Void
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**MATERIAL SAFETY DATA SHEET**  
according to Regulation (EC) No. 1907/2006

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		<b>Directive 2012/18/EU</b> Named dangerous substances - ANNEX I: None of the ingredients is listed. <b>Other regulations, limitations and prohibitive regulations:</b> Take notice of regulations for protection of employee.
15.2	<b>Chemical Safety Assessment</b>	A Chemical Safety Assessment has not been carried out.
<b>16. Other information</b>		

**Abbreviations and acronyms:**

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

**DISCLAIMER:**

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