

SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1 Product identifier****Trade name:** ATMOTEC 50**Article number:** TB5105**1.2 Relevant identified uses of the substance or mixture and uses advised against****1.3 Details of the supplier of the safety data sheet****Manufacturer/Supplier:** TYGRIS Industrial
Unit 31, Kyle Road Industrial Estate
Irvine
Ayrshire
KA12 8LE
Tel +44 (0) 1294 311 066
Fax +44 (0) 1294 277 115
Email technical@tygrisindustrial.com**Further information
obtainable from:** Technical Department**1.4 Emergency telephone
number:** Tel +44 (0) 1294 311 066

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification under CLP: Flam. Liq. 3: H226; Asp. Tox. 1: H304; STOT SE 3: H336; -: EUH066

Most important adverse effects: Repeated exposure may cause skin dryness or cracking. Flammable liquid and vapour. May be fatal if swallowed and enters airways. May cause drowsiness or dizziness.

2.2. Label elements

Hazard statements:
 EUH066: Repeated exposure may cause skin dryness or cracking.
 H226: Flammable liquid and vapour.
 H304: May be fatal if swallowed and enters airways.
 H336: May cause drowsiness or dizziness.

Hazard pictograms:
 GHS02: Flame
 GHS07: Exclamation mark
 GHS08: Health hazard



Signal word: Danger

Precautionary statements:
 P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
 P261: Avoid breathing vapours/spray.
 P280: Wear protective gloves/protective clothing/eye protection/face protection. P301+310: IF SWALLOWED: Immediately call a POISON CENTER/doctor/first aid. P331: Do NOT induce vomiting.
 P403+233: Store in a well-ventilated place. Keep container tightly closed.

2.3. Other hazards

PBT: This product is not identified as a PBT/vPvB substance

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Hazardous ingredients:

HYDROCARBONS, C9-C11, N-ALKANES, ISOALKANES, CYCLICS, <2% AROMATICS REACH
 registered number(s): 01-2119463258-33-XXXX

EC	CAS	Index number	CLP Classification	Percent
919-857-5	64742-48 -9	-	Flam. Liq. 3: H226; STOT SE 3: H336; Asp. Tox. 1: H304; -: EUH066	>70%

DIACETONE ALCOHOL
 REACH registered number(s): 01-2119473975-21

204-626-7	123-42-2	-	Eye Irrit. 2: H319	1-5%
-----------	----------	---	--------------------	------

BENZENESULFONIC ACID, DI-C10-14-ALKYL DERIVS, CALCIUM SALTS
 REACH registered number(s): 01-2119978241-36-XXXX

939-603-7	-	-	Skin Sens. 1B: H317	<1%
-----------	---	---	---------------------	-----

SECTION 4: First aid measures

4.1. Description of first aid measures

Skin contact:	Wash immediately with plenty of soap and water. Remove all contaminated clothes and footwear immediately unless stuck to skin.
Eye contact:	Bathe the eye with running water for 15 minutes. Consult a doctor.
Ingestion:	Do not induce vomiting. Wash out mouth with water. Consult a doctor.
Inhalation:	Move to fresh air in case of accidental inhalation of vapours.

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

Skin contact:	There may be mild irritation at the site of contact.
Eye contact:	There may be irritation and redness.
Ingestion:	Nausea and stomach pain may occur. There may be vomiting and diarrhoea.
Inhalation:	There may be irritation of the throat with a feeling of tightness in the chest. Drowsiness or mental confusion may occur.

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

Immediate / special treatment:	Do not induce vomiting. Eye bathing equipment should be available on the premises.
---------------------------------------	--

SECTION 5: Firefighting measures

5.1 Extinguishing media

Extinguishing media:	Water spray. Carbon dioxide. Alcohol resistant foam. Dry chemical powder. Use water spray to cool containers.
-----------------------------	---

5.2. Special hazards arising from the substance or mixture

Exposure hazards:	Flammable. In combustion emits toxic fumes.
--------------------------	---

5.3. Advice for fire-fighters

Advice for fire-fighters:	Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.
----------------------------------	--

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions: Refer to section 8 of SDS for personal protection details. Eliminate all sources of ignition. Turn leaking containers leak-side up to prevent the escape of liquid.

6.2. Environmental precautions

Environmental precautions: Do not discharge into drains or rivers. Contain the spillage using bunding.

6.3. Methods and material for containment and cleaning up

Clean-up procedures: Absorb into dry earth or sand. Transfer to a closable, labelled salvage container for disposal by an appropriate method. Do not use equipment in clean-up procedure which may produce sparks.

6.4. Reference to other sections

Reference to other sections: Refer to section 8 of SDS.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Handling requirements: Ensure there is sufficient ventilation of the area. Avoid the formation or spread of mists in the air.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions: Store in a cool, well ventilated area. Keep away from sources of ignition.

Suitable packaging: Must only be kept in original packaging.

7.3. Specific end use(s)

SECTION 8: Exposure controls/personal protection
8.1. Control parameters
Hazardous ingredients:

HYDROCARBONS, C9-C11, N-ALKANES, ISOALKANES, CYCLICS, <2% AROMATICS

Workplace exposure limits:
Respirable dust:

State	8 hour TWA	15 min. STEL	8 hour TWA	15 min. STEL
EU	-	-	1000mg/m3	-

DIACETONE ALCOHOL

EU	-	-	241mg/m3	362mg/m3
----	---	---	----------	----------

DNEL/PNEC Values
DNEL / PNEC: No data available.

8.2. Exposure controls

Engineering measures: Ensure there is sufficient ventilation of the area.
Respiratory protection: Respiratory protection not required.
Hand protection: Gloves (solvent-resistant). Breakthrough time of the glove material > 4 hours.
Eye protection: Safety glasses. Ensure eye bath is to hand.
Skin protection: Protective clothing.
Environmental: Prevent from entering in public sewers or the immediate environment.

SECTION 9: Physical and chemical properties
9.1. Information on basic physical and chemical properties

State: Liquid
Colour: Yellow-gold
Odour: Characteristic odour
Evaporation rate: Moderate
Solubility: Insoluble
Also soluble in: Most organic solvents
Viscosity: Non-viscous
Kinematic viscosity: <=20.5
Viscosity test method: Kinematic viscosity in 10-6 m2/s at 40°C (ISO 3104/3105)
Boiling point/range°C: 150-200
Flammability limits: Lower: 0.6 % Upper: 7.0 %
Flash point°C: 40
Autoflammability°C: 200
Relative density: 0.800 typical

9.2. Other information

SECTION 10: Stability and reactivity
10.1. Reactivity

Reactivity: Stable under recommended transport or storage conditions.

10.2. Chemical stability

Chemical stability: Stable under normal conditions.

10.3. Possibility of hazardous reactions

Hazardous reactions: Hazardous reactions will not occur under normal transport or storage conditions. Decomposition may occur on exposure to conditions or materials listed below.

10.4. Conditions to avoid

Conditions to avoid: Heat. Hot surfaces. Sources of ignition. Flames.

10.5. Incompatible materials

Materials to avoid: Oxidising agents. Reducing agents.

10.6. Hazardous decomposition products

Haz. decomp. products: In combustion emits toxic fumes.

SECTION 11: Toxicological information
11.1. Information on toxicological effects
Hazardous ingredients:

HYDROCARBONS, C9-C11, N-ALKANES, ISOALKANES, CYCLICS, <2% AROMATICS

DERMAL	RBT	LD50	>5000	mg/kg
ORAL	RAT	LD50	>5000	mg/kg
VAPOURS	RAT	LD50	>4.95	mg/l

DIACETONE ALCOHOL

DERMAL	RBT	LD50	13630	mg/kg
ORAL	RAT	LD50	3002	mg/kg

Relevant hazards for product:

Hazard	Route	Basis
STOT-single exposure	-	Hazardous: calculated
Aspiration hazard	-	Hazardous: calculated

Skin contact: There may be mild irritation at the site of contact.

Eye contact: There may be irritation and redness.

Inhalation: There may be irritation of the throat with a feeling of tightness in the chest. Drowsiness or mental confusion may occur.

Ingestion: Nausea and stomach pain may occur. There may be vomiting and diarrhoea.

SECTION 12: Ecological information
12.1. Toxicity
Hazardous ingredients:

HYDROCARBONS, C9-C11, N-ALKANES, ISOALKANES, CYCLICS, <2% AROMATICS

Daphnia magna	48H EC50	>1000	mg/l
RAINBOW TROUT (Oncorhynchus mykiss)	96H LC50	>1000	mg/l

DIACETONE ALCOHOL

ALGAE	72H ErC50	>1000	mg/l
Daphnia magna	48H EC50	>1000	mg/l
RAINBOW TROUT (Oncorhynchus mykiss)	96H LC50	>100	mg/l

12.2. Persistence and degradability

Persistence and degradability: Biodegradable.

12.3. Bioaccumulative potential

Bioaccumulative potential: Bioaccumulation potential.

12.4. Mobility in soil

Mobility: Volatile. Insoluble in water. Floats on water.

12.5. Results of PBT and vPvB assessment

PBT identification: This product is not identified as a PBT/vPvB substance.

12.6. Other adverse effects

Other adverse effects: Negligible ecotoxicity.

SECTION 13: Disposal considerations
13.1. Waste treatment methods

Disposal operations: Transfer to a suitable container and arrange for collection by specialised disposal company.

NB: The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

SECTION 14: Transport information**14.1. UN number**

UN Number: UN1993

14.2 UN proper shipping name

Shipping name: FLAMMABLE LIQUID, N.O.S. (HYDROCARBONS, C9-C11, N-ALKANES, ISOALKANES, CYCLICS, <2% AROMATICS)

14.3. Transport hazard class(es)

Transport class: 3

14.4. Packing group

Packing group: III

14.5 Environmental hazards

Environmentally hazardous: No

Marine pollutant: No

14.6 Special precautions for user

Special precautions: Limited Quantity - 5 L/kg D/

Tunnel code: E

Transport category: 3

SECTION 15: Regulatory information**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****15.2. Chemical Safety Assessment****SECTION 16: Other information**

Other information: This safety data sheet is prepared in accordance with Commission Regulation (EU) No 2015/830.

Phrases used in s.2 and s.3: EUH066: Repeated exposure may cause skin dryness or cracking.
H226: Flammable liquid and vapour.
H304: May be fatal if swallowed and enters airways.
H317: May cause an allergic skin reaction.
H319: Causes serious eye irritation.
H336: May cause drowsiness or dizziness.**Legal disclaimer**

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.