

TIGACOL ADHESIVES

SAFETY DATA SHEET

TIGACOL A-98

1. Identification of the Substance/Mixture and of the Company/Undertaking

- 1.1. Product identifier
 Product Name TIGACOL A-98
- 1.2. Relevant identified uses of the substance or mixture and uses advised against
 Intended use Adhesive
- 1.3. Details of the Supplier of the Safety Data Sheet
 Supplier EFSTATHIOS TIGKAS & CO EE
 PEFKON (PAR. AG. POLYKARPOU 49)
 ATHENS – GR 118 55
 Tel: +30- 210-3457330, 3458549 Fax: +30- 210-3474901
 email etiga@tee.gr
- 1.4. Emergency telephone number
 +30-210-3458549

2. Hazards Identification

- 2.1. Classification of the substance or mixture
- Classification (1999/45/EC) F; R11, Xn; R65, R48/20, Xi; R38, Carc. Cat. 2, R45, Muta cat 3 R68, Repr. cat. 3; R62/63, N; R51/53, R67
- Classification (EC1272/2008) Natural and chemical hazards: Flamm. Liquid 2 - H225
 For human: EUH066: Eye irritation 2 - H319; STOT SE. 3 - H336,
 May cause drows. or dizziness. 1-H304, STOT long term. 2-H373, carc. 1B-H350,
 Tox. In reprod.. 2-H361fd, Skin Irr.. 2-H315, muta. 2-H341.
 For environment: Aquat. Long last. toxic. 2 - H411
- 2.2. Label Elements
 Labelling according to Regulation (EC) No 1272/2008



Signal word Danger

Hazard statements

- H225 Highly flammable liquid and vapour.
 H361 Suspected of damaging fertility or the unborn child.
 H319 Causes serious eye irritation.

- H336 May cause drowsiness or dizziness.
 H411 Toxic to aquatic life with long lasting effects.
 H304 May be fatal if swallowed and enters airways.
 H341 Suspected of causing genetic defects.
 H350 May cause cancer.

Precautionary statements

- P210 Keep away from heat/sparks/open flames/hot surfaces – No smoking.
 P273 Avoid release to the environment.
 P280 Wear protective gloves/protective clothing/eye protection/face protection.

- P304 + P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
 P308 + P313 IF exposed or concerned: Get medical advice/attention
 P370 + P378 In case of fire: Use dry powder or carbon dioxide fire extinguishers.

Other hazards

EUH066 Repeated exposure may cause skin dryness or cracking

3. Composition/information on ingredients

ACETONE		30 – 50 %
CAS No. : 67-64-1	EC No. : 200-662-2	REACH Registration No.: 01-2119471330-49
Registration (EC 1272/2008)		Registration (EC 67/548)
Flammable Liqu. 2 – H225		F; R11
EUH066		Xi; R36
Eye Irrit. 2 – H319		R66
STOT SE 3 – H336		R67

TRICHLOROETHYLENE		5 – 20 %
CAS No. : 79-01-6	Αριθμός EC : 201-167-4	REACH Registration No.: 01-2119490731-36
Registration (EC 1272/2008)		Registration (EC 67/548)
Flammable Liqu. 2 – H315		R67
Eye Irrit. 2 – H319		Xi; R36/38
Allerg. Skin React.. – H317		Carc. Cat. 2; R45
Susp. Genet. Defects – H341		Muta. Cat. 3; R68
STOT SE 3 – H336		R52/53
May Cause Cancer –H350		
Harm. aqu.life withl ong last. Eff. – H412		

4. First aid measures

4.1 Description of first aid measures

Inhalation

Supply fresh air.

Swallowing

Do not induce vomiting; call for medical help immediately.

Skin contact

Clean with water and soap.

Eye contact

Rinse opened eye for several minutes under running water. Then consult a doctor.

4.2 Most important symptoms and effects, both acute and delayed

No further relevant information available

4.3 Indication of any immediate medical attention and special treatment needed

No further relevant information available.

5. Firefighting measures

5.1 Extinguishing media

CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

For safety reasons unsuitable extinguishing agents Water with full jet

5.2 Special hazards arising from the substance or mixture

Formation of toxic gases is possible during heating or in case of fire.

5.3 Advice for firefighters

Protective equipment: Wear self-contained respiratory protective device.

6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation

Keep away from ignition sources.

Use respiratory protective device against the effects of fumes/dust/aerosol.

6.2 Environmental precautions

Do not allow product to reach sewage system or any water course.

Inform respective authorities in case of seepage into water course or sewage system.

6.3 Methods and material for containment and cleaning up

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Dispose contaminated material as waste according to item 13.

6.4 Reference to other sections

See Section 8 for information on personal protection equipment.

7. Handling and storage

7.1. Precautions for safe handling

Ensure good ventilation/exhaustion at the workplace.
 Prevent formation of aerosols.
 Information about protection against explosions and fires:
 Keep ignition sources away - Do not smoke.
 Protect against electrostatic charges.

7.2. Conditions for safe storage, including any incompatibilities

Storage
 Requirements to be met by storerooms and containers: Store in a cool location.
 Information about storage in one common storage facility: Not required.
 Further information about storage conditions: Store in cool, dry conditions in well sealed receptacles.

7.3. Specific end use(s) No further relevant information available.

8. Exposure controls/personal protection

8.1. Control parameters

Components		Long Term Value (8 hours)		Short Term Value (15 minutes)	
Acetone	WEL	500 ppm	1210 mg/m ³	1500 ppm	3620 mg/m ³
Trichloroethylene	WEL	100 ppm	550 mg/m ³	150 ppm	820 mg/m ³

8.2. Exposure controls

Personal protective equipment



General protective and hygienic measures Wash hands before breaks and at the end of work.
 Breathing equipment: Not necessary if room is well-ventilated.

Protection of hands:

For direct contact with liquid adhesive (for example cleaning works): protective gloves. Otherwise, no hand protection necessary.

Preventive skin protection by use of skin-protecting agents is recommended.

Material of gloves

Butyl rubber, BR

Fluorocarbon rubber (Viton)

Penetration time of glove material

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

Eye protection: Goggles recommended during refilling

9. Physical and chemical properties

Appearance Medium Viscosity Liquid	Colour Transparent	Smell Characteristic
Viscosity (Brookf. LV - Spindle 2, 6rpm, 25°C) 3600 – 3750 mPa.s (25°C)	Density 0.88 ± 0.01 g/cm ³ (25°C)	Solids 18 ± 1 %
Boiling Point 56°C (acetone)	Flash Point -18°C (acetone)	Critical Val. Of explosion 3 – 13 % vol
Vapour Density 2.00 (air = 1)	Storage 12 months	Solubility in Water Insoluble

10. Stability and reactivity

10.1 Reactivity

10.2 Chemical stability

Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.

10.3 Possibility of hazardous reactions

No dangerous reactions known.

10.4 Conditions to avoid

No further relevant information available.

10.5 Incompatible materials:

No further relevant information available.

11. Toxicological information

11.1 Information on toxicological effects

Inhalation:

Respiratory Tract Irritation: Signs/symptoms may include cough, sneezing, nasal discharge, headache, hoarseness, and nose and throat pain.

Skin Contact:

Mild Skin Irritation: Signs/symptoms may include localized redness, swelling, itching, and dryness.

Eye Contact:

Contact with the eyes during product use is not expected to result in significant irritation.

Ingestion:

May be harmful if swallowed.

Gastroin testinal Irritation: Signs/symptoms may include abdominal pain, stomach upset, nausea, vomiting and diarrhea

12. Ecological information

12.1 Toxicity

No further relevant information available.

12.2 Persistence and degradability

No further relevant information available.

12.3 Bioaccumulative potential

No further relevant information available.

12.4 Mobility in soil

No further relevant information available.

12.5 Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

12.6 Other adverse effects

No further relevant information available.

13. Disposal considerations

13.1 Waste treatment methods

Must be specially treated adhering to official regulations.

Must not be disposed together with household garbage. Do not allow product to reach sewage system

14. Transport information

14.1 UN Number

UN No. (ADR/RID/ADN)	1133
UN No. (IMDG)	1133
UN No. (ICAO)	1133

14.2 UN proper shipping name

Adhesives

14.3 Transport hazard class(es)

ADR/RID/ADN Class	3 : Flammable Liquids
ADR Label	3
MDG Class	3
ICAO Class	3

Label



14.4 Packing group

ADR/RID/ADN	III
IMDG	III
ICAO	III

14.5 Environmental hazards:



14.6 Special precautions for user

EMS	F-E, S-D
C. Chemical Hazard	+3YE
(ADR)	33

14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code Not applicable

15. Regulatory information

EU regulations:

Authorisations and/or restrictions on use: None

Other EU legislation:

Commission Regulation (EU) No 474/2014 of 8 May 2014 amending Annex XVII to Regulation (EC) No 1907/2006

Commission Regulation (EU) No 944/2013 of 2 October 2013 (5th ATP) amending

Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures

Waste Framework Directive 2008/98/EC.

16. Other Information

Hazard statements

- | | |
|------|--|
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