



SAFETY DATA SHEET

ESA T 50

According to Regulation (EU) No 2015/830

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Product name ESA T 50

1.2. Relevant identified uses of the substance or mixture and uses advised against

Identified uses Industrial Use

1.3. Details of the supplier of the safety data sheet

Supplier Esas Kimya A.Ş
Gebkim Kocaeli Gebze V İhtisas
Org.San.Böl. Recep YAZICI Cad.
No:3 DİLOVASI /KOCAELİ
TEL : 0262 290 89 93-94

Başvurulacak kişi FRIEDRICH MICHAEL HALTMEIER

1.4. Emergency telephone number

ESAS KİMYA: 0262 290 89 93-94

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Classification (EC 1272/2008)

Physical and Chemical Hazards Not classified.
Human health Skin Irrit. 2 - H315; Eye Irrit. 2 - H319; STOT SE 3 - H335
Environment Not classified.

2.2. Label elements

Label In Accordance With (EC) No. 1272/2008



Signal Word Warning

Contains 2-ethylhexan-1-ol

Hazard Statements

H315 Causes skin irritation.
H319 Causes serious eye irritation.
H335 May cause respiratory irritation.

Precautionary Statements

P264 Wash skin thoroughly after handling.
P302+P352 IF ON SKIN: Wash with plenty of water.



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P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P501	Dispose of contents/container in accordance with national regulations.

2.3. Other hazards

This product does not contain another predicted danger.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2. Mixtures

Name	EC No.	CAS No.	Content	Classification (EC) No 1272/2008
2-ethylhexan-1-ol	203-234-3	104-76-7	15-25 %	Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 Acute Tox. 4 - H332 STOT SE 3 - H335
Ethylene glycol	203-473-3	107-21-1	5-15 %	Acute Tox. 4 - H302

The Full Text for all Hazard Statements are Displayed in Section 16.

Composition Comments

- The data shown are in accordance with the latest EC Directives.

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures

Inhalation

Get medical attention if any discomfort continues.

Ingestion

Never make an unconscious person vomit or drink fluids! Rinse mouth thoroughly. Get medical attention if any discomfort continues.

Skin contact

Wash the skin immediately with soap and water. Get medical attention promptly if symptoms occur after washing.

Eye contact

Take victim immediately from exposure area to another location. Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eye lids. Get medical attention if any discomfort continues.

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

Inhalation	: May cause respiratory irritation. May cause dizziness.
Ingestion	: Nausea, vomiting.
Skin contact	: Causes skin irritation.
Eye contact	: Causes serious eye irritation.

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

No specific treatment. Treat symptomatically.



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SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing media

Extinguishing media

Fire can be extinguished using: Foam, carbon dioxide, dry powder or water fog.

5.2. Special hazards arising from the substance or mixture

Specific hazards

In case of fire, toxic gases may be formed. Fire creates: Carbon monoxide (CO). Carbon dioxide (CO₂).

5.3. Advice for firefighters

Special Fire Fighting Procedures

Move container from fire area if it can be done without risk. Keep run-off water out of sewers and water sources. Dike for water control. Emergency personnel, except of course provide the move away from the fire area. Fire residues and contaminated fire extinguishing water must be disposed of according to local regulations.

Protective equipment for fire-fighters

Use air-supplied respirator during fire fighting. Face mask, protective gloves and safety helmet.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Wear protective clothing as described in Section 8 of this safety data sheet. Avoid contact with skin and eyes.
In case of spills, beware of slippery floors and surfaces.

6.2. Environmental precautions

Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

Large Spillages: Stop leak if possible without risk. Absorb in vermiculite, dry sand or earth and place into containers.
Flush with plenty of water to clean spillage area.

Small Spillages: Wear necessary protective equipment. Absorb spillage with suitable absorbent material.

6.4. Reference to other sections

For personal protection, see section 8.
See section 11 for additional information on health hazards.
For waste disposal, see section 13.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Read and follow manufacturer's recommendations. Avoid contact with skin and eyes.
Good personal hygiene is necessary. Wash hands and contaminated areas with water and soap before leaving the work site.
Do not eat, drink or smoke when using the product. Observe good chemical hygiene practices.

7.2. Conditions for safe storage, including any incompatibilities

Store in tightly closed original container in a dry and cool place. Protect from direct sunlight.
Keep away from food, drink and animal feeding stuffs. Keep containers upright.

7.3. Specific end use(s)

The identified uses for this product are detailed in Section 1.2.



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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Name	STD	TWA – 8 Hrs	STEL – 15 Min	Notes
Ethylene glycol	WEL	20 ppm 52 mg/m ³	40 ppm 104 mg/m ³	---

8.2. Exposure controls

Protective equipment



Process conditions

Provide eyewash, quick drench

Engineering measures

Provide adequate ventilation. Observe Occupational Exposure Limits and minimise the risk of inhalation of vapours.

Respiratory equipment

Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary.

Hand protection

Use suitable protective gloves if risk of skin contact. Neoprene, nitrile, polyethylene or PVC. The most suitable glove must be chosen in consultation with the gloves supplier, who can inform about the breakthrough time of the glove material. Before removing gloves clean them with soap and water.

Eye protection

If risk of splashing, wear safety goggles or face shield.

Hygiene measures

DO NOT SMOKE IN WORK AREA! Wash hands at the end of each work shift and before eating, smoking and using the toilet. Promptly remove any clothing that becomes contaminated. Wash promptly with soap & water if skin becomes contaminated. When using do not eat, drink or smoke.

Skin protection

Protection suit must be worn.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Appearance	Liquid.
Colour	Colorless.
Odour	Odorless.
Solubility	Soluble.
Initial boiling point and boiling range	No data available.
Melting Point	No data available.
pH Value	7,30 - 8,2
Flash point	No data available.



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Density	1.07 g/cm ³ (20°C)
Viscosity	No data available.
Partition Coefficient (N-octanol/water)	No data available.

9.2. Other information

No data available.

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

No data available.

10.2. Chemical stability

Stable under normal temperature conditions and recommended use. Stable under the prescribed storage conditions.

10.3. Possibility of hazardous reactions

Not expected.

10.4. Conditions to avoid

Avoid exposure to high temperatures or direct sunlight.

10.5. Incompatible materials

No data available.

10.6. Hazardous decomposition products

Fire creates: Carbon monoxide (CO). Carbon dioxide (CO₂).

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Acute Toxicity

ATE_{Mix, oral} >2000 mg/kg
ATE_{Mix, soluma (buhar)} >20 mg/l

Serious eye damage/irritation

Causes serious eye irritation.

Skin corrosion/irritation

May causes skin irritation.

Respiratory or skin sensitisation:

No data available.

Germ cell mutagenicity

Genotoxicity - In Vitro/ In Vivo

No data available.

Carcinogenicity

No data available.

Reproductive Toxicity – (Fertility/ Development)

No data available.

14.1. UN number

Not applicable.

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STOT – Single Exposure

May cause respiratory irritation.

STOT – Repeated Exposure

No data available.

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Product information is not available on the ecotoxicity. Not regarded as dangerous for the environment.

12.2. Persistence and degradability

There are no data on the degradability of this product.

12.3. Bioaccumulative potential

There are no data on the bioaccumulating.

12.4. Mobility in soil

The product is water soluble and may spread in water systems. It can be spread in the soil in this way.

12.5. Results of PBT and vPvB assessment

This product does not contain any PBT or vPvB substances.

12.6. Other adverse effects

No data available.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Dispose of waste, empty containers and residues in accordance with local authority requirements.

Environmental manager must be informed of all major spillages.

14.2. UN proper shipping name

Not applicable.

14.3. Transport hazard class(es)

Not applicable.

14.4. Packing group

Not applicable.

14.5. Environmental hazards

Environmentally Hazardous Substance/Marine Pollutant

No.

14.6. Special precautions for user

Not applicable.

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Not applicable.



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SECTION 15: REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Uk Regulatory References

Highly Flammable Liquid Regulations 1972.

Guidance Notes

Workplace Exposure Limits EH40. Introduction to Local Exhaust Ventilation HS(G)37. CHIP for everyone HSG(108).

EU Legislation

Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 with amendments. System of specific information relating to Dangerous Preparations. 2001/58/EC.

15.2. Chemical Safety Assessment

No chemical safety assessment has been carried out.

SECTION 16: OTHER INFORMATION

Abbreviations

Skin Irrit. 2 - H315	: Skin irritation- category 2
Eye Irrit. 2 - H319	: Eye irritation- category 2
STOT SE 3 - H335	: Specific target organ toxicity-single exposure-category 3
WEL	: Workplace exposure limit
ATE	: Acute Toxicity Estimate
TWA	: Time-weighted average
STEL	: Short Term Exposure Limit
BHOT	: Specific Target Organ Toxicity
IBC	: International Code for the Construction and Equip
MARPOL	: International Convention for the Prevention of Pollution From Ships.

Classification justification

Skin Irrit. 2 - H315	: Calculation method
Eye Irrit. 2 - H319	: Calculation method
STOT SE 3 - H335	: Calculation method

Revision Comments

This is first issue.

Issued By

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Issued Note

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Hazard Statements In Full

H302	Harmful if swallowed.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.

Disclaimer

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.