

According to the Regulation EC No. 1907/2006

TINEX

Date Prepared : Aug. 15, 2016
Revision : 0

Revision Date : -
SDS No : GBF – 2203

1- IDENTIFICATION OF THE SUBSTANCE AND OF THE COMPANY

1.1- Product Identifier

Product Name TINEX

1.2- Relevant identified uses of the substance advised against

Identified uses Cellulosic thinner.
Usage advised against No data available.

1.3- Details of the supplier of the substance or mixture

Address SIGNATEKMA Boya ve Sinyalizasyon San.ve Tic. A.Ş.
Kurtuluş Caddesi No:23 Yazıbaşı – Torbalı / İzmir / Turkey
Telephone + 90 232 853 85 70
Fax + 90 232 853 73 79
E-mail info@signatekma.com.tr

1.4- Emergency telephone number

Signatekma 0 532 505 00 23

2- HAZARDS IDENTIFICATION

2.1- Classification of the substance:

According to the Regulation of EC 1272/2008 (CLP):

Highly flammable liquid and vapor, Category 2, H225
Causes skin irritation, Category 2, H315
Causes serious eye damage, Category 1, H318
May lead to convalescence or dizziness, Category 3, H336
Toxic for reproductive system, Category 2, H361
Prolonged or repeated exposure may result in damage to organs, Category 2, H373

2.2- Label elements:

According to the Regulation of EC 1272/2008 (CLP):

Hazard Pictograms:



Signal word Danger

Hazard statements

H225 Highly flammable liquid and vapour.
H315 Causes skin irritation.
H318 Causes serious eye damage.
H336 May cause drowsiness or dizziness
H361 Suspected of damaging fertility or the unborn child.
H373 May cause damage to organs through prolonged or repeated exposure

Precautionary statements

Prevention

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- P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
P240 Ground/bond container and receiving equipment
P280 Wear protective gloves/protective clothing/eye protection/face protection.

Response

- P301 + P310 + P330 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. Rinse mouth.
P302 + P352 IF ON SKIN: Wash with plenty of soap and water.
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P308 + P313 IF exposed or concerned: Get medical advice/attention.
P314 Get medical advice/attention if you feel unwell.

Storage

- P403+P233 Store in a well-ventilated place. Keep container tightly closed.

Additional Hazards statements

- EUH066 Repeated exposure may cause skin dryness or cracking.

2.3- Other Hazards:

Not applicable

3- COMPOSITION/INFORMATION ON INGREDIENTS

3.2- Substance

Chemical name	EC No.	CAS No.	%	Classification
Aromatic hydrocarbon	203-88-3	108-88-3	>50 - <60	Flam. Liq. 2, H225 Asp. Tox. 1, H304 Skin Irrit. 2, H315 STOT SE 3, H336 STOT RE 2, H373 Rep. 2, H361d
Ketone	200-662-2	67-64-1	>5 - <20	Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336
Ester	204-658-1	123-86-4	>5 - <20	Flam. Liq. 3, H226 STOT SE 3, H336
Alcohol	201-148-0	78-83-1	>5 - <20	Flam. Liq. 3, H226 Skin Irrit. 2, H315 Eye Dam. 1, H318 STOT SE 3, H335 STOT SE 3, H336
Glycol	203-905-0	111-76-2	>2 - <7	Acute Tox. 4, H302 Acute Tox. 4, H312 Skin Irrit. 2, H315 Eye Dam. 2, H319 Acute Tox. 4, H332

Full text of H-statements: see section 16.

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4- FIRST AID MEASURES

4.1- Description of first aid measures

General

In case of uncertainty or if symptoms persist consult doctor.

Skin contact

Contact may cause moderate skin irritation during use. Avoid prolonged exposure to skin products. Wash the irritant area with plenty of soap and water. If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash before reuse.

Eye contact

Contact with product may cause severe eye irritation. In case of contact with dust, rinse affected eye with clean water for at least 15 minutes. If irritation occurs: Get medical advice/attention.

Inhalation

Remove the victim to fresh air and keep it in a comfortable position for easy breathing. If breathing is stopped, breathing is irregular, or respiratory tract obstruction, provide a trained person with artificial respiration and oxygen. Get medical advice/attention.

Ingestion

Never give anything by mouth to a person who is not in a conscious place. Rinse mouth with water. Consult doctor.

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

Repeated exposure may cause skin dryness and cracking.

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

Treat symptomatically.

5- FIRE FIGHTING MEASURES

5.1- General information

Highly flammable liquid and vapor.

5.2- Suitable Extinguishing Media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide. Never use water to extinguish.

5.3- Special hazards arising from the substance or mixture

Intense black, toxic fumes (carbon oxides) can be released. Breathe the smoke..

5.4- Special hazards arising from the substance or mixture

Fire-fighting personnel should wear complete protective clothing including self-contained breathing apparatus to extinguish fires.

5.5- Special methods

Cool off the exposed containers with water from the water.

6- ACCIDENTAL RELEASE MEASURES

6.1- Personal precautions, protective equipment, and emergency procedures

Take out the ignition sources. Use personal protective equipment. Make sure you have good ventilation. Avoid breathing steam, smoke or gas. In case of insufficient ventilation wear suitable respiratory equipment.

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6.2- Environmental precautions

Collect contaminated/extinguishing water. Do not allow it to get into water, soil and sewage. If the product pollutes the lake, river waste sewer systems, inform the relevant authorities in accordance with local regulations.

6.3- Methods and materials for containment and cleaning up

Spread the spilled material around non-combustible absorbent materials such as sand, earth, vermiculite, diatomaceous earth and place in a container to dispose in accordance with local regulations (see section 13).

6.4- Reference to other sections

Information on safe handling is given in section 7. Information on personal protective equipment is given in section 8. Disposal information from chapter 13

7- HANDLING AND STORAGE

7.1- Precautions for safe use

Use in well ventilated areas.

Vapours are heavier than air and may spread on the ground. Steam forms an explosive mixture with air. Care should be taken to avoid sources of ignition in the environment in which it is used. The electrical equipment used must be of the appropriate standard. Prevent explosive concentrations from forming and prevent vapor concentrations from exceeding the limit values that affect workers. Observe the warnings on the package and industrial safety rules. Close opened packages and unused portion of the cover tightly and store in facing the top. Food and drink should be banned where the material is used. Never use pressure to empty. The packaging is not resistant to pressure.

7.2- Condition for safe storage, including any incompatibilities

Keep away from direct sunlight, heat and ignition sources. Do not smoke in the storage area. Close the opened containers carefully and hold upright to prevent leakage. Keep at 5-25 ° C in well-ventilated place. Store in original container. Keep container tightly closed in a dry and well-ventilated place.

7.3- Specific end use(s)

Cellulosic thinner.

8- EXPOSURE CONTROLS, PERSONAL PROTECTION

8.1- Exposure Limit Values

Control parameters

Components with occupational exposure limit values: (Regulation on Health and Safety Precautions in Working with Chemical Substances)(TR)				
Product Name	Maximum amount allowed			
	TWA (8 hour)		STEL (15 Min.)	
	mg/m ³	ppm	mg/m ³	ppm
Toluene 108-88-3	192	50	384	100
Acetone 67-64-1	1210	500	-	-
2-Butoxyethanol (111-76-2)	98	20	246	50

8.2- Exposure controls

Appropriate engineering controls

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General Protection and Hygiene Measures	Keep the container tightly closed. Wash your hands at the end of the work and break. Do not eat or drink any food while using this product.
Respiratory protection	No respiratory protection is required. Use a mask according to EN 143 if necessary.
Eye/Face protection	Use safety goggles in accordance with EN 166 with side-shielded, which fit perfectly into areas where there is a high risk of splashing. It is advisable to have a shower in the work area.
Hand protection	Use neoprene or nitrile gloves in accordance with EN 374. Protective cream can be used before starting work. Do not clean with cream after coming into contact with paint.
Body protection	If necessary, use work clothes in accordance with EN 465 or EN 467 and work shoes in accordance with EN 347 standards.

8.3- Environmental exposure controls

The provisions of existing legislation for the protection of the environment must be fully implemented.

9- PHYSICAL AND CHEMICAL PROPERTIES

9.1- Information on basic physical and chemical properties:

Physical state	Liquid
Boiling Point, ° C	74 - 155
Flash Point, ° C	≤ 21
Density @ 20 ° C, gr / m ³	0.84 - 0.85
Solubility in water @ 20 ° C	Insoluble.
pH @ 20 ° C	Not determined.
Vapor pressure (hPa) (20 ° C)	Not determined.

9.2- Other Information:

Melting Point, ° C	Not determined.
Decomposition Point, ° C	Not determined.
Self-ignition Temperature, ° C	Not determined.

10- STABILITY AND REACTIVITY

10.1- Reactivity

No data available.

10.2- Chemical stability

Not fully evaluated. The substances in the same group are normally stable.

10.3- Hazardous reaction possibility

No supplementary information.

10.4- Conditions to avoid

Direct sunlight, open flames, long-term storage above 30 ° C, storage next to flammable and combustible material.

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10.5- Substances to avoid

Strong oxidizing agents, strong alkalis, acidic materials.

10.6- Hazardous decomposition products

Hazardous decomposition products such as carbon monoxide, carbon dioxide, oxides of nitrogen may appear when exposed to high temperatures

11- TOXICOLOGICAL INFORMATION

11.1- Information on toxicological effects

Acute toxicity No experimental data exist on the product itself.

Toluene,

Oral LD50:> 5 580 mg / kg (rat)
Inhalation LC50: 28.1 mg / l / 4h (rat)
Dermal LD50:> 5 000 mg / m³ (rabbit)

Acetone

Oral LD50: ≥3.9 - ≤8 mg / kg (rat)
Dermal LD50:> 7 426 mg / ml (guinea pig)

N-butyl acetate,

Oral LD50: 7 437 mg / kg (rabbit)
Inhalation LC50:> 21.1 mg / l / 4h (rat)
Dermal LD50:> 20 mg / m³ (rabbit)

2-methylpropan-1-ol,

Oral LD50: 3 040 mg / kg (rabbit)
Inhalation LC50: 26 25 mg / l / 4h (rabbit)
Dermal LD50: 2 460 mg / ml (rabbit)

2-butoxyethanol,

Oral LD50: 0.05 mg / kg (mouse)
Inhalation LC50: 450 ppm / 4h (rat)
Dermal LD50: 7.3 ml / kg (guinea pig)

11.2- Corrosion and irritation

Serious eye damage/irritation	Causes serious eye damage..
Skin corrosion/irritation	Causes skin irritation
Skin sensitization	No data available.
Respiratory sensitization	No data available.
Respiratory tract irritation	No data available

11.3- Chronic effects

Carcinogenicity IARC: 3 - Group 2B: Not classified for human carcinogenicity (Benzoyl peroxide)..

11.4- Other Toxicity Effects

Mutagenicity	No data available.
Reproduction toxicity	Suspected of damaging fertility or the unborn child.
Epidemiology	No data available
Teratogenicity	No data available
Specific Target Organ Toxicity - Single Exposure	No data available
Specific Target Organ Toxicity - Repeated Exposure	Prolonged or repeated exposure may result in damage to organs

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12- ECOLOGICAL INFORMATION

12.1- Toxicity

Product-related data is not available.

Toluene,

Fish LC50: 28 mg / l (96 h)

Water pore LC50: 4.3 µg / l (96 h)

Water alga EC50: 125-160 mg / l (48 h)

Acetone,

Fish LC50: 6 368 mg / l (14 d)

Water Pyrazine LC50: 7 000 mg / l (48 h)

Water Dust NOEC: 3 400 mg / l (48 h)

N-butyl acetate,

Fish LC50: 185 mg / l (96 h)

Water pore EC50: 44 mg / l (48 h)

Water alga EC50: 675 mg / l (72 h)

2-methylpropan-1-ol,

Fish LC50: 1 430 mg / l (96 h)

Water pore EC50: 1 100 mg / l (48 h)

Water algae EC50: 2 300 mg / l (48 h)

2-butoxyethanol,

Fish LC50: 1 580 mg / l (96 h)

Water piresi LOEC: 810 mg / l (96 h)

Water algae EC50: 1 845 mg / l (72 h)

12.2- Persistence and degradability

No data available.

12.3- Bioaccumulative potential

No data available.

12.4- Mobility in soil

No data available.

12.5- Results of PBT and vPvB assessment

No data available.

12.6- Other adverse effects

No data available.

13- DISPOSAL CONSIDERATIONS

13.1- Waste treatment methods

Material may be hazardous and special handling may be required for disposal. Not given to sewer.
Disposal in storage must comply with federal, state and local regulations.

14- TRANSPORT INFORMATION

Land transport (ADR / RID)

- | | |
|----------------------------------|--------|
| 14.1- UN number | UN1263 |
| 14.2- Proper UN transport name | Paint |
| 14.3- Transport hazard class(es) | 3 |



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14.4- Packing group	II
14.5- Environmental hazards	Not harmful to the environment.
14.6- Bulk transport according to Annex II of MARPOL 73/78 and the IBC Code	Not applicable.
Limited quantity (ADR/RID)	5 L
Tank code (ADR/RID)	LGBF
Vehicle for tank carriage	FL
Tunnel code	2 (D/E)
Hazard identification no.	33
Orange plates	

33
1263

Sea transport (IMDG Code)

14.1- UN number	UN1263
14.2- Proper UN transport name	Paint
14.3- Transport hazard class (es)	3
14.4- Packing group	II
14.5- Environmental hazards	Not harmful to the environment.
14.6- Bulk transport according to Annex II of MARPOL 73/78 and the IBC Code	Not applicable.
Limited quantity (IMDG)	LQ
EmS No (Fire)	F-E
N*FS (Spill)	S-E



Air Transport (ICAO-IATA/DGR)

14.1- UN number	UN1263
14.2- Proper UN transport name	Paint
14.3- Transport hazard class (es)	3
14.4- Packing group	II
14.5- Environmental hazards	Not harmful to the environment.
14.6- Bulk transport according to Annex II of MARPOL 73/78 and the IBC Code	Not applicable.



15- REGULATORY INFORMATION

15.1- Safety, health and environmental regulations specific for the substance or mixture

- Regulation (EC) No 1907/2006, (REACH),
- Commission Regulation (EU) No 453/2010 amending Regulation (EC) No 1907/2006,
- Regulation (EC) No 1272/2008 (CLP),
- Commission Directive 2006/15/EC,
- Commission Directive 2000/39/EC
- Council Directive 91/689/EEC,
- ADR - European Agreement Concerning the International Carriage of Dangerous Goods by Road

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16-OTHER INFORMATION

16.1- The relevant H phrases (number and full text):

- H226** Flammable liquid and vapor.
- H302** Harmful if swallowed.
- H315** Causes skin irritation.
- H318** Causes serious eye damage.
- H319** Causes serious eye irritation.
- H335** May cause respiratory irritation.
- H336** May cause discomfort or dizziness.

16.2- Abbreviations and acronyms

- ADR : European Agreement Concerning the Int. Carriage of Dangerous Goods by Road
- CAS No : Chemical Abstract Service Index Number
- EC No : European Commission Number
- EC50 : Concentration which produces a certain effect under the conditions determined in 50% of the organisms subjected to the test
- IATA : International Air Transport Association
- ICAO : International Civil Aviation Organization
- IMDG : International Maritime Code for Dangerous Goods
- LC50 : Lethal Concentration 50% (Substance concentration should be in the air to kill 50% of the test animals)
- LD50 : Lethal Dose 50% (The amount of substance required to be dosed at a time to kill 50% of test animals)
- REACH : Regulation on the Registration, Evaluation, Authorisation and Restriction of Chemicals in the European Union
- STEL : Short Term Exposure Limit
- TWA : Time Weighted Average

16.3- Further Information:

This safety data sheet has been prepared in accordance with the information received from the product owner. The information in this document is based on the best available information. This information applies only to the specified substance/preparation.

The information given in this document does not constitute a guarantee/warranty for the product specifications and does not constitute a legally binding contract/contingent legal relationship feature. This document completes the technical documentation but can not be replaced. The information provided is based on our current knowledge of the product at the time of publication. Based on good goodness.

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