



1 Identification of the substance/mixture and of the company/undertaking

- . **Product identifier**
- . **Trade name:** Bison Tix
- . **Relevant identified uses of the substance or mixture and uses advised against**
- . **Application of the substance / the preparation** Adhesive
- . **Details of** Bison Tix®
- . **Further information obtainable from:** Bison QESH
- . **Emergency telephone number:** +31 113 235700

2 Hazards identification

- . **Classification of the substance or mixture**
- . **Classification according to Regulation (EC) No 1272/2008**



GHS02 flame

Flam. Liq. 2 H225 Highly flammable liquid and vapour.



GHS09 environment

Aquatic Chronic 2 H411 Toxic to aquatic life with long lasting effects.



GHS07

Skin Irrit. 2 H315 Causes skin irritation.
Eye Irrit. 2 H319 Causes serious eye irritation.
STOT SE 3 H336 May cause drowsiness or dizziness.

- . **Classification according to Directive 67/548/EEC or Directive 1999/45/EC**



Xi; Irritant

R36/38: Irritating to eyes and skin.



F; Highly flammable

R11: Highly flammable.



N; Dangerous for the environment

R51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R67: Vapours may cause drowsiness and dizziness.

- . **Information concerning particular hazards for human and environment:**

The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version. Has a narcotizing effect.

- . **Classification system:**

The classification is according to the latest editions of the EU-lists, and extended by company and literature data.

- . **Label elements**

- . **Labelling according to EU guidelines:**

The product has been classified and marked in accordance with EU Directives / Ordinance on Hazardous Materials.

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Code letter and hazard designation of product:

Xi Irritant
F Highly flammable
N Dangerous for the environment

Risk phrases:

11 Highly flammable.
36/38 Irritating to eyes and skin.
51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
67 Vapours may cause drowsiness and dizziness.

Safety phrases:

16 Keep away from sources of ignition - No smoking.
24/25 Avoid contact with skin and eyes.
26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
46 If swallowed, seek medical advice immediately and show this container or label.
57 Use appropriate container to avoid environmental contamination.
61 Avoid release to the environment. Refer to special instructions/safety data sheets.

Special labelling of certain preparations:

Contains Colophony. May produce an allergic reaction.

Other hazards**Results of PBT and vPvB assessment**

- PBT:** Not applicable.
- vPvB:** Not applicable.

3 Composition/information on ingredients

Mixtures**Description:** Adhesive**Dangerous components:**

CAS: 64742-49-0	Naphtha (petroleum), hydrotreated light	25-50%
EINECS: 265-151-9	Xi R65; Xi R38; F R11; N R51/53 R67 	
CAS: 141-78-6	ethyl acetate	25-50%
EINECS: 205-500-4	Xi R36; F R11 R66-67 	
CAS: 78-93-3	methyl ethyl ketone	2.5-10%
EINECS: 201-159-0	Xi R36; F R11 R66-67 	
CAS: 110-54-3	n-hexane	≤ 2.5%
EINECS: 203-777-6	Xn R48/20-62-65; Xi R38; F R11; N R51/53 R67 Repr. Cat. 3 	

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CAS: 8052-10-6 Colophony ≤ 2.5%
EINECS: 232-484-6  Xi R43
 Skin Sens. 1, H317
CAS: 1314-13-2 zinc oxide ≤ 2.5%
EINECS: 215-222-5  N R50/53
 Aquatic Acute 1, H400; Aquatic Chronic 1, H410

Additional information:

For the wording of the listed risk phrases refer to section 16.

4 First aid measures**Description of first aid measures****After inhalation:**

In case of unconsciousness place patient stable in side position for transportation.

After skin contact: Immediately wash with water and soap and rinse thoroughly.**After eye contact:**

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

After swallowing: Do not induce vomiting; call for medical help immediately.**Information for doctor:****Most important symptoms and effects, both acute and delayed**

No further relevant information available.

Indication of any immediate medical attention and special treatment needed

No further relevant information available.

5 Firefighting measures**Extinguishing media****Suitable extinguishing agents:**Water haze
Alcohol resistant foam
Fire-extinguishing powder
Carbon dioxide**For safety reasons unsuitable extinguishing agents:** Water with full jet**Special hazards arising from the substance or mixture**

No further relevant information available.

Advice for firefighters**Protective equipment:** Mount respiratory protective device.**Additional information**

Cool endangered receptacles with water spray.

Collect contaminated fire fighting water separately. It must not enter the sewage system.

6 Accidental release measures**Personal precautions, protective equipment and emergency procedures**

Wear protective equipment. Keep unprotected persons away.

Environmental precautions:Prevent seepage into sewage system, workpits and cellars.
Inform respective authorities in case of seepage into water course or sewage system.

Do not allow to enter sewers/ surface or ground water.

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.

Ensure adequate ventilation.

Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

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See Section 13 for disposal information.

7 Handling and storage

- . **Handling:**
- . **Precautions for safe handling**
Ensure good interior ventilation, especially at floor level. (Fumes are heavier than air).
- . **Information about fire - and explosion protection:**
Keep ignition sources away - Do not smoke.
Protect against electrostatic charges.
- . **Conditions for safe storage, including any incompatibilities**
- . **Storage:**
- . **Requirements to be met by storerooms and receptacles:** Store in a cool location.
- . **Information about storage in one common storage facility:** Not required.
- . **Further information about storage conditions:**
Keep receptacle tightly sealed.
Store in cool, dry conditions in well sealed receptacles.
- . **Specific end use(s)** No further relevant information available.

8 Exposure controls/personal protection

- . **Additional information about design of technical facilities:**
No further data; see item 7.
- . **Control parameters**
- . **Ingredients with limit values that require monitoring at the workplace:**
141-78-6 ethyl acetate
WEL () Short-term value: 400 ppm
Long-term value: 200 ppm
78-93-3 methyl ethyl ketone
WEL () Short-term value: 899 mg/m³, 300 ppm
Long-term value: 600 mg/m³, 200 ppm
Sk
110-54-3 n-hexane
WEL () Long-term value: 72 mg/m³, 20 ppm
- . **Additional information:** The lists valid during the making were used as basis.
- . **Exposure controls**
- . **Personal protective equipment:**
- . **General protective and hygienic measures:**
The usual precautionary measures are to be adhered to when handling chemicals.
Keep away from foodstuffs, beverages and feed.
Immediately remove all soiled and contaminated clothing
Wash hands before breaks and at the end of work.
Avoid contact with the eyes and skin.
- . **Respiratory protection:** Not required.
- . **Protection of hands:**



Protective gloves

Solvent resistant gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

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. Material of gloves

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 can not be calculated in advance and has therefore to be checked prior to the application.

. 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.

. For the permanent contact of a maximum of 15 minutes gloves made of the following materials are suitable:

PVC or PE gloves

. Eye protection:



Tightly sealed goggles

. Body protection:

Use protective suit.

Solvent resistant protective clothing

9 Physical and chemical properties

. Information on basic physical and chemical properties

. General Information

. Appearance:

Form:

Fluid

Colour:

According to product specification

. Odour:

Characteristic

. Odour threshold:

Not determined.

. pH-value:

Not determined.

. Change in condition

Melting point/Melting range:

Undetermined.

Boiling point/Boiling range:

60°C

. Flash point:

< 0°C

. Flammability (solid, gaseous):

Not applicable.

. Ignition temperature:

460°C

. Decomposition temperature:

Not determined.

. Self-igniting:

Product is not selfigniting.

. Danger of explosion:

Product is not explosive. However, formation of explosive air/vapour mixtures are possible.

. Explosion limits:

Lower:

2.1 Vol %

Upper:

11.5 Vol %

. Vapour pressure at 20°C:

97 hPa

. Density at 20°C:

0.895 g/cm³

. Relative density

Not determined.

. Vapour density

Not determined.

. Evaporation rate

Not determined.

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- . **Solubility in / Miscibility with water:** Not miscible or difficult to mix.
- . **Segregation coefficient (n-octanol/water):** Not determined.
- . **Viscosity:**
 - Dynamic at 20°C:** 1000 mPas
 - Kinematic:** Not determined.
 - Water:** 0.1 %
 - Solids content:** 20.1 %
- . **Other information** No further relevant information available.

10 Stability and reactivity

- . **Reactivity**
- . **Chemical stability**
- . **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- . **Possibility of hazardous reactions** No dangerous reactions known.
- . **Conditions to avoid** No further relevant information available.
- . **Incompatible materials:** No further relevant information available.
- . **Hazardous decomposition products:** Danger of forming toxic pyrolysis products.

11 Toxicological information

- . **Information on toxicological effects**
- . **Acute toxicity:**
- . **Primary irritant effect:**
 - on the skin:** Irritant to skin and mucous membranes.
 - on the eye:** Irritating effect.
- . **Sensitization:** No sensitizing effects known.
- . **Additional toxicological information:**

The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version:
Irritant

12 Ecological information

- . **Toxicity**
- . **Aquatic toxicity:** No further relevant information available.
- . **Persistence and degradability** No further relevant information available.
- . **Behaviour in environmental systems:**
- . **Bioaccumulative potential** No further relevant information available.
- . **Mobility in soil** No further relevant information available.
- . **Ecotoxicological effects:**
- . **Remark:** Toxic for fish
- . **Additional ecological information:**
- . **General notes:**

Also poisonous for fish and plankton in water bodies.
Toxic for aquatic organisms
Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water
Danger to drinking water if even small quantities leak into the ground.
- . **Results of PBT and vPvB assessment**
- . **PBT:** Not applicable.
- . **vPvB:** Not applicable.
- . **Other adverse effects** No further relevant information available.

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13 Disposal considerations

- . **Waste treatment methods**
- . **Recommendation**
Must not be disposed together with household garbage. Do not allow product to reach sewage system.
- . **Uncleaned packaging:**
- . **Recommendation:**
Disposal must be made according to official regulations.
Packagings that may not be cleansed are to be disposed of in the same manner as the product.

14 Transport information

- . **UN-Number**
- . **ADR, IMDG, IATA** UN1133
- . **UN proper shipping name**
- . **ADR** 1133 ADHESIVES, special provision 640H, ENVIRONMENTALLY HAZARDOUS
- . **IMDG** ADHESIVES, MARINE POLLUTANT
- . **IATA** ADHESIVES
- . **Transport hazard class(es)**
- . **ADR**



- . **Class** 3 (F1) Flammable liquids.
- . **Label** 3

IMDG



- . **Class** 3 Flammable liquids.
- . **Label** 3

IATA



- . **Class** 3 Flammable liquids.
- . **Label** 3
- . **Packing group**
- . **ADR, IMDG, IATA** III
- . **Environmental hazards:** Product contains environmentally hazardous substances: Naphtha (petroleum), hydrotreated light
- . **Marine pollutant:** Yes
Symbol (fish and tree)
- . **Special marking (ADR):** Symbol (fish and tree)
- . **Special precautions for user** Warning: Flammable liquids.
- . **Danger code (Kemler):** 33
- . **EMS Number:** F-E, S-D

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- . **Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code** Not applicable.
- . **Transport/Additional information:**
- . **ADR**
- . **Limited quantities (LQ)** 5L
- . **Transport category** 3
- . **Tunnel restriction code** D/E
- . **IMDG**
- . **Remarks:** Under certain conditions substances in Class 3 (flammable liquids) can be classified in packinggroup III. See IMDG, Part 2, Chapter 2.3, Paragraph 2.3.2.2
- . **UN "Model Regulation":** UN1133, ADHESIVES, special provision 640H, ENVIRONMENTALLY HAZARDOUS, 3, III

15 Regulatory information

- . **Safety, health and environmental regulations/legislation specific for the substance or mixture**
- . **Labelling according to EU guidelines:**
The product has been classified and marked in accordance with EU Directives / Ordinance on Hazardous Materials.
- . **Code letter and hazard designation of product:**
Xi Irritant
F Highly flammable
N Dangerous for the environment
- . **Risk phrases:**
11 Highly flammable.
36/38 Irritating to eyes and skin.
51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
67 Vapours may cause drowsiness and dizziness.
- . **Safety phrases:**
16 Keep away from sources of ignition - No smoking.
24/25 Avoid contact with skin and eyes.
26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
46 If swallowed, seek medical advice immediately and show this container or label.
57 Use appropriate container to avoid environmental contamination.
61 Avoid release to the environment. Refer to special instructions/safety data sheets.
- . **Special labelling of certain preparations:**
Contains Colophony. May produce an allergic reaction.
- . **National regulations:**
- . **Technical instructions (air):**
- . **Class Share in %**
- . **Wasser** ≤ 2,5
- . **I** ≤ 2,5
- . **NK** 50-100
- . **Waterhazard class:** Water hazard class 2 (Self-assessment): hazardous for water.

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. Chemical safety assessment:

A Chemical Safety Assessment has not been carried out.

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

. Relevant phrases

- H225 Highly flammable liquid and vapour.
- H304 May be fatal if swallowed and enters airways.
- H315 Causes skin irritation.
- H317 May cause an allergic skin reaction.
- H319 Causes serious eye irritation.
- H336 May cause drowsiness or dizziness.
- H361f Suspected of damaging fertility.
- H373 May cause damage to organs through prolonged or repeated exposure.
- H400 Very toxic to aquatic life.
- H410 Very toxic to aquatic life with long lasting effects.
- H411 Toxic to aquatic life with long lasting effects.
- R11 Highly flammable.
- R36 Irritating to eyes.
- R38 Irritating to skin.
- R43 May cause sensitisation by skin contact.
- R48/20 Harmful: danger of serious damage to health by prolonged exposure through inhalation.
- R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
- R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
- R62 Possible risk of impaired fertility.
- R65 Harmful: may cause lung damage if swallowed.
- R66 Repeated exposure may cause skin dryness or cracking.
- R67 Vapours may cause drowsiness and dizziness.

. Department issuing MSDS: QESH Department

. Contact: Reach coördinator

. * Data compared to the previous version altered.

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