

## 1 Identification of the substance/preparation and of the company/undertaking

### · Product details

- **Trade name:** Ibola F 90 AF
- *Application of the substance / the preparation* Adhesives

### · **Manufacturer:**

STAUF Klebstoffwerk GmbH  
Oberhausener Strasse 1  
57234 Wilnsdorf  
Germany  
+49-(0)2739-301-0  
+49-(0)2739-301-200

- **Information in case of emergency:** STAUF, Wilnsdorf, +49-2739-301-0

## 2 Hazards identification

### · Hazard description:



Xi Irritant  
F Highly flammable  
N Dangerous for the environment

### · 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.

R 11 Highly flammable.

R 36/38 Irritating to eyes and skin.

R 51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R 67 Vapours may cause drowsiness and dizziness.

### · Classification system:

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

### · GHS label elements



**Danger**

H225 - Highly flammable liquid and vapour.



**Warning**

H319 - Causes serious eye irritation.

H336 - May cause drowsiness or dizziness.

H401 - Toxic to aquatic life.

### · Prevention:

P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

P241 Use explosion-proof electrical/ventilating/lighting/equipment.

### · Response:

P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing.  
Rinse skin with water/shower.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

### · Storage:

P405 Store locked up.

### · Disposal:

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

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### 3 Composition/information on ingredients

- **Chemical characterization**
- **Description:** Mixture of substances listed below with nonhazardous additions.

- **Dangerous components:**

CAS: 92062-15-2 EINECS: 295-529-9	Solvent naphtha (petroleum), hydrotreated light naphthenic Carc. Cat. 2, Muta. Cat. 2; Xn, Xi, N; R 36/38-51/53-65	25-50%
CAS: 67-64-1 EINECS: 200-662-2	acetone Xi, F; R 11-36-66-67 ----- Danger: flame 2.6/2 ----- Warning: exclamation mark 3.3/2, 3.8/3	10-25%
CAS: 141-78-6 EINECS: 205-500-4	ethyl acetate Xi, F; R 11-36-66-67 ----- Danger: flame 2.6/2 ----- Warning: exclamation mark 3.3/2, 3.8/3	10-25%

- **Additional information:** For the wording of the listed risk phrases refer to section 16.

### 4 First-aid measures

- **After inhalation:** In case of unconsciousness place patient stably 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.

### 5 Fire-fighting measures

- **Suitable extinguishing agents:** CO<sub>2</sub>, sand, extinguishing powder. Do not use water.
- **For safety reasons unsuitable extinguishing agents:**  
Water  
Water with full jet
- **Protective equipment:** No special measures required.

### 6 Accidental release measures

- **Person-related safety precautions:** Wear protective equipment. Keep unprotected persons away.
- **Measures for environmental protection:**  
Do not allow product to reach sewage system or any water course.  
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.
- **Measures for cleaning/collecting:**  
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).  
Ensure adequate ventilation.  
Do not flush with water or aqueous cleansing agents

### 7 Handling and storage

- **Handling:**
- **Information for safe handling:** Ensure good ventilation/exhaustion at the workplace.
- **Information about fire - and explosion protection:**  
Keep ignition sources away - Do not smoke.  
Protect against electrostatic charges.

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Prevent impact and friction.

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- **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 container tightly sealed.  
Store in cool, dry conditions in well sealed receptacles.

## 8 Exposure controls/personal protection

- **Additional information about design of technical facilities:** No further data; see item 7.

### · **Ingredients with limit values that require monitoring at the workplace:**

#### 67-64-1 acetone

WEL	Short-term value: 3620 mg/m <sup>3</sup> , 1500 ppm Long-term value: 1210 mg/m <sup>3</sup> , 500 ppm
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#### 141-78-6 ethyl acetate

WEL	Short-term value: 400 ppm Long-term value: 200 ppm
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- **Additional information:** The lists valid during the making were used as basis.
- **Personal protective equipment:**
- **General protective and hygienic measures:**  
Keep away from foodstuffs, beverages and feed.  
Immediately remove all soiled and contaminated clothing  
Wash hands before breaks and at the end of work.  
Do not inhale gases / fumes / aerosols.  
Avoid contact with the eyes and skin.
- **Respiratory protection:**  
In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.  
Use suitable respiratory protective device in case of insufficient ventilation.
- **Protection of hands:**
- *Material of gloves* Butyl rubber, BR
- **Eye protection:**



Tightly sealed goggles

## 9 Physical and chemical properties

### · **General Information**

<b>Form:</b>	Fluid
<b>Colour:</b>	According to product specification
<b>Odour:</b>	Characteristic

### · **Change in condition**

**Melting point/Melting range:** Undetermined.  
**Boiling point/Boiling range:** 55°C

- **Flash point:** -25°C
- **Ignition temperature:** 450°C
- **Self-igniting:** Product is not selfigniting.

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- **Danger of explosion:** Product is not explosive. However, formation of explosive air/vapour mixtures are possible.
- **Explosion limits:**
  - Lower:** 0.7 Vol %
  - Upper:** 13.0 Vol %
- **Vapour pressure at 20°C:** 233 hPa
- **Density at 20°C:** 0.85 g/cm<sup>3</sup>
- **Solubility in / Miscibility with water:** Not miscible or difficult to mix.
- **Viscosity:**
  - Dynamic at 20°C:** 3500 mPas
- **Solvent content:**
  - Organic solvents:** 77.0 %
  - Solids content:** 23.0 %

## 10 Stability and reactivity

- **Thermal decomposition / conditions to be avoided:**  
No decomposition if used according to specifications.
- **Materials to be avoided:**
- **Dangerous reactions** No dangerous reactions known.
- **Dangerous decomposition products:** No dangerous decomposition products known.

## 11 Toxicological information

- **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

- **Ecotoxicological effects:**
- **Remark:** Toxic for fish
- **Additional ecological information:**
- **General notes:**  
Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water  
Do not allow product to reach ground water, water course or sewage system.  
Danger to drinking water if even small quantities leak into the ground.  
Also poisonous for fish and plankton in water bodies.  
Toxic for aquatic organisms

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## 13 Disposal considerations

- **Product:**
- **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.

## 14 Transport information

### · Land transport ADR/RID (cross-border)



- **ADR/RID class:** 3 Flammable liquids.
- **Danger code (Kemler):** 33
- **UN-Number:** 1133
- **Packaging group:** III
- **Hazard label** 3
- **Special marking:** Symbol (fish and tree)
- **Description of goods:** 1133 ADHESIVES, special provision 640H
- **Limited quantities (LQ)** LQ7
- **Transport category** 3
- **Tunnel restriction code** D/E

### · Maritime transport IMDG:



- **IMDG Class:** 3
- **UN Number:** 1133
- **Label** 3
- **Packaging group:** III
- **EMS Number:** F-E,S-D
- **Marine pollutant:** No
- **Proper shipping name:** ADHESIVES

### · Air transport ICAO-TI and IATA-DGR:



- **ICAO/IATA Class:** 3
- **UN/ID Number:** 1133
- **Label** 3
- **Packaging group:** III
- **Proper shipping name:** ADHESIVES
- **UN "Model Regulation":** UN1133, ADHESIVES, 3, III

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## 15 Regulatory information

· **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:**

2 Keep out of the reach of children.  
23 Do not breathe fumes.  
24/25 Avoid contact with skin and eyes.  
29/56 Do not empty into drains, dispose of this material and its container at hazardous or special waste collection point.  
46 If swallowed, seek medical advice immediately and show this container or label.  
51 Use only in well-ventilated areas.

· **National regulations:**

· **Technical instructions (air):**

Class	Share in %
II	25-50
NK	25-50

· **Waterhazard class:** Water hazard class 2 (Self-assessment): hazardous for water.

## 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 R-phrases**

11 Highly flammable.  
36 Irritating to eyes.  
36/38 Irritating to eyes and skin.  
51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.  
65 Harmful: may cause lung damage if swallowed.  
66 Repeated exposure may cause skin dryness or cracking.  
67 Vapours may cause drowsiness and dizziness.

· **Department issuing MSDS:** Produkttechnik

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