

Prepared in accordance with the Regulation on Preparation of Safety Data Sheets for Hazardous Substances and Mixtures (13.12.2014 - 29204 Official Gazette)

**Name of product: 82145-Korepox™ Hardener-145**

**1-Identification of the substance/ preparation and of the company/ undertaking****1.1 Identification of substance/mixture**

Name of product: 82145-Korepox Hardener-145

**1.2 Use of substance/mixture**

This product is a monocoat system paint. This is can be used for all type metal.

**1.3 Company identification**

Company name: Çıvgın Paint Chemical Industry

Street/City/Country : İzmir Asfaltı Üzeri Gıda Tопtancıları Sitesi F Blok Denizli/Türkiye

Telephone: 00 90 850 622 62 67- 00 90 850 622 62 68

E-mail: info@civginboya.com

**1.4 Emergency telephone: 114(UZEM)****2-Hazards identification**

Pictogram(s):

**2.1 Clasification of the substance or mixture**

Hazard class	Category	Route of exposure	H code
Flammable liquids	Category 3		H226
Acute toxicity	Category 4	By inhalation/ vapour	H332
Skin corrosion/irritation	Category 2		H315
Specific target organ toxicity (single exposure)	Category 3 (respiratory tract irritation)		H335
Serious eye damage /eye irritation	Category 2		H319
Specific target organ toxicity (repeated exposure)	Category 2		H373

**2.2 Label elements**

**Sings of harm:**

**Signal word:** Warning

**Statements of harmfulness:**

**H226** Flammable liquid and vapour.

**H315** Causes skin irritation.

**H319** Causes serious eye irritation.

**H332** Harmful if inhaled.

**H335** May cause respiratory irritation.

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**H373** May cause damage to organs through prolonged or repeated exposure *exposure cause the hazard*.

**Precautionary statements**

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

**P233** Keep container tightly closed.

**P243** Take precautionary measures against static discharge.

**P271** Use only outdoors or in a well-ventilated area.

**P280** – Wear protective gloves/protective clothing/eye protection/face protection.

**P370+P378** In case of fire: Use ... for extinction.

**P403+P235** Store in a well-ventilated place. Keep cool.

**P501** Dispose of contents/container to ...

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

**P337+P313** If eye irritation persists: Get medical advice/attention.

**P304+P340** IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

**P312** Call a POISON CENTER or doctor/physician if you feel unwell.

**P302+P352** IF ON SKIN: Wash with plenty of soap and water.

**P332+P313** If skin irritation occurs: Get medical advice/attention.

**Hazardous ingredients (Labeling)**

Xylol, isomer mixture

ethylbenzene

**2.3 Other Hazards**

No data

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### 3-Composition/information on ingredients

#### Chemical identification

**Description:** Epoxy Polyamine contains of mixtures

Substance /chemical name	CAS No	Cons %
Xylol	1330-20-07	<35

### 4-First aid measures

**Eye contact:** Check for contact lenses and remove contact lenses. Immediately flush eyes for at least 15 minutes, keeping eyelids open. Ask for medical help.

**Skin contact:** Remove contaminated clothes and wash the skin with plenty of water. Apply irritation-reducing creams and seek medical attention. Serious burns may occur in contact with molten material. If contact with molten material occurs, immediately wash the skin with plenty of cold water or ice water for at least 15 minutes. Do not attempt to separate adhesive from the skin, as it may cause serious damage to the skin. Seek immediate medical attention.

**Swallowing :** Do not induce vomiting and do not give anything by mouth. The patient is immediately removed to the hospital with full equipment and the pidge is washed. Apart from that, keep it away from the head area and the children against the danger of suffocation. Swallowing can cause irritation in the mouth and throat area and in the digestive tract. Ask for medical help.

**Breathing :** Take the patient to fresh air. If breathing is stopped or feeble, give artificial respiration. Give oxygen if necessary and call a doctor immediately. If a fire or the like has occurred and the fumes of molten material have been inhaled, remove to fresh air and bring to semi-seated position. Change clothes and keep warm. If breathing difficulty or trouble comes to the forehead and you continue to give oxygen. Consult a doctor immediately.

### 5-Fire fighting measures

#### 5.1 Fire extinguishers

**Suitable extinguishing media:** Extinguish with alcohol-resistant foam, carbon dioxide, dry powder or water spray.

**Incompatible Fire Extinguisher:** Water jet. Fire may cause fire to spread.

**5.2 Special Hazards Derived from the Product:** Thermal decomposition or combustion products are carbon dioxide, carbon monoxide and aldehydes can be released.

**5.3 Protective Equipment for Firefighting Squadrons:** Full face masked breathing apparatus, rubber or pvc gloves, boots and protective clothing should be used. Anyone who struggles with fire burning product should be avoided from the sol.

**Fire-fighting equipment / instructions:** If it does not carry any risk to you, fire it Remove the other containers from the place. When the fire goes out of control or spreads, Do not allow them to enter sewers or the mains that supply drinking water.

**Cautionary Points about Explosion:** Violent reaction with strong oxidizers. It may cause fire and explosion.

**Specific methods:** In case of fire, cool tanks with water spray. Any danger If possible, remove the container from the fire area.

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#### 6-Accidental release measures

**6.1 Personal precautions:** Protective gloves / protective clothing / eye protection / face shield. Avoid breathing / spraying with water. Take precautions against static discharges. Avoid contact with skin with eyes. Provide adequate ventilation.

**6.2 Environmental Precautions:** Avoid sewerage, spills, or spills. Avoid giving to the environment. Dispose of contents / container according to national regulations.

**6.3 Collection and Cleaning Processes:** Use appropriate protective equipment, such as gloves, safety goggles / face shield, respirator, boots, clothing or apron. Skin contact or rash, dust or vapors avoid breathing. Remove all ignition sources from the center. Beside your discomfort Do not smoke, use fire, sparks or other sources of ignition. Provide adequate ventilation. Inform local authorities if there is a significant amount of spillage. Clean up contaminated material (sand, sawdust ...) Dispose of according to local / national regulations. Prohibit entry into the area until the cleaning job is completed. If you can do it without risk, avoid the leak. Turn the soil surface with another non-combustible material. Wash with plenty of water when poured in small quantities. Never absorb any flammable substances such as sawdust.

**Additional warnings:** Absorb fumes. Remove from fire sources. Consider ex-preservation.

**6.4 References to Other Departments:** The relevant information in the other sections should be taken into account. This applies especially to information given on personal protective equipment (chapter 8) and disposal (chapter 13).

#### 7-Handling and storage

**7.1 Make sure to use it with care:**

General ventilation is required. Local ventilation is required.

Avoid contact with eyes and skin.

You can breathe.

Do not drain into the sewer.

**7.2 Storage recommendations:** Store in a fire resistant, well ventilated place. Moving due to the vessel Electrostatic charge may occur during operation. Note that the tools are grounded.

Keep container tightly closed.

Vapors may form explosive mixtures with air.

**Storage temperature:** minimum -20 ° C, maximum 55 ° C

**7.3 Special end-use**

No data

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## 8-Exposure controls/ Personal protection equipment

### 8.1 Control parameters

There is no known exposure limit.

### 8.2 Exposure controls

**Appropriate engineering controls:** Provide adequate ventilation. Avoid breathing vapors

#### Personal Protective Equipment



**Hygiene Measures:** Keep away from foodstuffs, beverages and feedstuffs. Remove contaminated, contaminated clothing immediately. Wash your hands before and at the workshop. We will avoid touching your skin. Avoid touching your eyes and skin.

#### Preservation of the respiratory system:

If workers are exposed to concentrations above the limit value, they must use appropriate and approved gas masks. When disposing of this product, use carbon and dust filter respirator (filter combination A2-P2). Use compressed air or fresh-air respiratory equipment in confined spaces. When using a brush or roller, consider using a carbon filter.

#### Eye / Face Protection:

In order to avoid exposure to liquid splashes, fumes, gases or dust, safety glasses in accordance with an approved standard should be used at risk. Use protective goggles with side shields.

#### Skin protection:

##### Protection of hands:

Glove material should be impermeable and resistant to the product / material being prepared. The gloves needed for the product / preparation / chemical mixture for lack of testing no advice can be made about the material that should be used in its manufacture. The choice of materials used for glove manufacturing depends on the perforation times, permeability ratios and corrosion should be considered. Wear suitable gloves tested according to EN374. Recommended, gloves (working time)> 8 hours: nitrile rubber

**Protection of the body:** Personnel protective equipment for the body should be selected based on the relative hand held and the required risk, and must be approved by an expert before use.

##### 8.2.3 Environmental exposure controls:

Emissions related to ventilation should be checked to ensure that they comply with the requirements of the environmental protection regulations of the workplace process equipment. In some cases, engineering modifications must be made to the process equipment in order to reduce emissions to acceptable levels, such as smoke scrapers, filters applied.

## 9-Physical and chemical properties

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### 9.1 Information on Basic Physical and Chemical Materials

**Appearance:** Liquid

**Odor:** Characteristic

**Color:** -

### 9.2 Other informations

**Density:** 1,20-1,22 g / cm<sup>3</sup> 20 ° C (colors vary)

**Flash Point:** 13 ° C

**Boiling Point:**> 100 ° C

**Explosion Hazard:** The product does not present an explosion hazard, but it is possible to form vapor / air mixtures which are dangerous for explosion.

**Viscosity:** -

**Solubility (Water / Alcohol / Fat):** Insoluble in water.

**Steam Pressure:** No data available.

**Partition coefficient (n-octanol / water):** Not available.

**pH Value 25 ° C:** Not applicable.

## 10-Stability and reactivity

**10.1 Reaction:** There are no specific test data on the reactivity of this product or its ingredients.

**10.2 Chemical Stability:** Product is stable.

**10.3 Hazardous Decomposition:** Under normal conditions of storage and use, hazardous reactions will not occur.

**10.4 Conditions to Avoid:** Heat, sparks, flames should be avoided. Work place do not allow dust to form. Prevent static electricity, grounding

**10.5 Substances to Avoid:** Strong oxidizing agents

**10.6 Hazardous Decomposition Products:** Thermal decomposition of this material during fire or very high temperature liberates the following disposal products: carbon monoxide, carbon dioxide, phthalaldehyde.

## 11-Toxicological information

### Acute toxicity:

**Eye contact:** Causes serious eye irritation.

**Skin contact:** Irritating to skin is harmful.

**In case of inhalation:** Inhalation is harmful. Exposure once may cause temporary respiratory tract irritation.

**Upon ingestion:** The amount of contaminated hands normally does not harm during use. High amounts of ingestion may cause systemic adverse effects.

### Chronic toxicity:

**Skin contact:** Repeated or prolonged contact with skin may result in severe allergic it leads to dermatise. Exposure to skin for a long time or repeatedly may be irritating. Mom there are doubts that it harmed the baby on his stomach.

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**In case of inhalation:** Headache, drowsiness, astonishment, headache, nausea, high concentrations can cause loss of consciousness. Prolonged or repeated inhalation may cause upper respiratory tract irritation. There are doubts that it harmed the baby in her mother's womb.

**On ingestion:** Repeated ingestion may cause systemic adverse effects. There are doubts that it harmed the baby in her mother's womb.

**Toxicokinetic metabolism and dispersion:** May be absorbed by the skin in hazardous quantities.

**Further information:** The product may be exposed to formaldehyde vapor at temperatures above 150°C, if air is present. Formaldehyde vapor is a suspected carcinogen, and its respiration is toxic and irritating to the eyes and respiratory system. Exposure limits must be strictly observed.

**12-Ecological information**

**12.1 Ecotoxicity:** No adverse effects on living organisms living in an aquatic environment are expected.

**12.2 Persistence and degradability:** Silicon ratio can not be destroyed biologically. Elimination by absorption in activated sludge

**12.3 Bioaccumulative potential:** No data available

**12.4 Mobility in the ground:** No suitable data

**12.5 Results of PBT and vPvB assessment:** Not applicable

**12.6 Other adverse effects:** No data available

**13-Disposal information****13.1 Waste treatment methods****Product**

This flammable substance can be burned in the incinerator equipped with an afterburner and a gas purifier. Offer to give to a waste company the residues and solutions that are not recoverable. Do not allow them to escape to waterways and waterways

**Contaminate packing**

Dispose of as unused product.

**14-Transport information**

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**Road Transport / Train Transport ADR / RID**

**UN No:** UN 1263

**Proper shipping name:** PAINT

**Class:** 3

**Packing group:** III

**Tags:** 3

**Sea transport (IMDG)**

**UN No:** UN 1263

**Proper shipping name:** PAINT

**Class:** 3

**Packing group:** III

**Tags:** 3

**Air transport (IATA)**

**UN No:** UN 1263

**Proper shipping name:** PAINT

**Class:** 3

**Packing group:** III

**Tags:** 3



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## 15-Legislation information

### 15.1 Substance or mixture-specific safety, health and environmental legislation

**National Regulations** Regulation on the classification, labeling and packaging of substances and mixtures Ministry of Environment and Urbanization 11 December 2013 Official Gazette No: 28848 (Repeated) Regulation on Safety Data Sheets for Hazardous Substances and Mixtures (Official Gazette dated 13.12.2014 and 29204)

### EU legislation

Dangerous Goods Directive 67/548 / EEC

EU Dangerous Preparations Directive 1999/45 / EC

Special Information System for Hazardous Preparations 91/155 / EEC

Regarding the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH), 01.06.2007

Regulation (EC) No 1907/2006 of the European Parliament and of the Council (Regulated)

1272/2008 EU regulation on the classification, packaging and labeling of substances and mixtures

## 16-Other information

The information contained in this Safety Data Sheet is based on our present knowledge. The consumer is responsible for all stages of fulfilling the requirements of local laws and regulations. To help the user to understand and apply the product safely. It does not constitute a guarantee of the properties of our products for special circumstances.

### Explanation of the GHS Classification Code

2; H319	Category 2; Causes serious eye irritation.
2; H373	Category 2; May cause damage to organs through prolonged or repeated exposure
3; H335	Category 3; May cause respiratory irritation
1; H304	Category 1; May be fatal if swallowed and enters airways
3; H226	Category3; Flammable liquid and vapour
2; H315	Category 2; Causes skin irritation
4; H312	Category4; Harmful in contact with skin
3; H412	Category3; Harmful to aquatic life with long lasting effects
2; H373	Category2; May cause damage to organs through prolonged or repeated exposure
3; H336	Category 3; May cause drowsiness or dizziness
2; H315	Category 2; Causes skin irritation
1; H304	Category 1; May be fatal if swallowed and enters airways
2; H225	Category 2; Highly flammable liquid and vapour

### All statements of harm are:

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**Name of product: 82145-Korepox™ Hardener-145****H225** Highly flammable liquid and vapour**H226** Flammable liquid and vapour**H304** May be fatal if swallowed and enters airways**H312** Harmful in contact with skin**H315** Causes skin irritation**H319** Causes serious eye irritation**H332** Harmful if inhaled**H335** May cause respiratory irritation**H336** May cause drowsiness or dizziness**H361** Suspected of damaging fertility or the unborn child**H400** Very toxic to aquatic life**H410** Very toxic to aquatic life with long lasting effects**Short names and abbreviations:**

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International

Carriage of Dangerous Goods by Road)

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the

International Transport of Dangerous Goods by Rail)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

**Additional info:****Preparer**

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