



## SAFETY DATA SHEET

### Carboline Carbothane 131 HB Comp. B

According to Regulation (EC) No 1907/2006, Annex II, as amended by Regulation (EU) No 453/2010

#### SECTION 1: Identification of the substance/mixture and of the company/undertaking

##### 1.1. Product identifier

**Product name** Carboline Carbothane 131 HB Comp. B  
**Product number** 820CT131HB-B

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

##### 1.3. Details of the supplier of the safety data sheet

**Supplier** Akis Paint and Chemical Inc.  
 Ali Osman Sönmez Cad. No:4  
 DOSAB-BURSA/TURKEY  
 T: +902242610537  
 F:+902242610542  
 www.akisboya.com

**Contact person** Tolga Dıraz - Teknik Müdür,Resmiye Kovancı Savaş - Fabrika Müdürü,H.Tuğba Başkurt Fildişi - Kalite Güvence Sorumlusu

##### 1.4. Emergency telephone number

**Emergency telephone** Company Tel: +90 224 261 05 37 (office hours)

#### SECTION 2: Hazards identification

##### 2.1. Classification of the substance or mixture

###### Classification

**Physical hazards** Flam. Liq. 3 - H226  
**Health hazards** Acute Tox. 4 - H332 Skin Sens. 1 - H317 STOT SE 3 - H335  
**Environmental hazards** Aquatic Chronic 3 - H412

##### 2.2. Label elements

###### Pictogram



###### Signal word

Warning

###### Hazard statements

H226 Flammable liquid and vapour.  
 H317 May cause an allergic skin reaction.  
 H332 Harmful if inhaled.  
 H335 May cause respiratory irritation.  
 H412 Harmful to aquatic life with long lasting effects.

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<b>Precautionary statements</b>	<p>P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.</p> <p>P241 Use explosion-proof electrical equipment.</p> <p>P243 Take precautionary measures against static discharge.</p> <p>P280 Wear protective gloves/protective clothing/eye protection/face protection.</p> <p>P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.</p> <p>P312 Call a POISON CENTER/doctor if you feel unwell.</p> <p>P370+P378 In case of fire: Use foam, carbon dioxide, dry powder or water fog to extinguish.</p> <p>P403+P233 Store in a well-ventilated place. Keep container tightly closed.</p> <p>P501 Dispose of contents/container in accordance with national regulations.</p>
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<b>Contains</b>	hexamethylene-1,6-diisocyanate homopolymer, Low boiling point naphtha - unspecified, hexamethylene-di-isocyanate
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### 2.3. Other hazards

No data available.

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

<b>hexamethylene-1,6-diisocyanate homopolymer</b> CAS number: 28182-81-2                      EC number: 500-060-2	<b>80-95%</b>
<b>Classification</b> Acute Tox. 4 - H332 Skin Sens. 1 - H317 STOT SE 3 - H335	<b>Classification (67/548/EEC or 1999/45/EC)</b> Xn; R20. Xi; R37. R43
<b>n-butyl acetate</b> CAS number: 123-86-4                      EC number: 204-658-1	<b>1-5%</b>
<b>Classification</b> Flam. Liq. 3 - H226 STOT SE 3 - H336	
<b>Low boiling point naphtha - unspecified</b> CAS number: 64742-95-6                      EC number: 265-199-0	<b>1-5%</b>
<b>Classification</b> Flam. Liq. 3 - H226 STOT SE 3 - H335, H336 Asp. Tox. 1 - H304 Aquatic Chronic 2 - H411	<b>Classification (67/548/EEC or 1999/45/EC)</b> Xn; R65. Xi; R37. N; R51/53. R10, R67

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<b>hexamethylene-di-isocyanate</b>	<b>&lt;1%</b>
CAS number: 822-06-0	EC number: 212-485-8
<b>Classification</b>	
Acute Tox. 4 - H302	
Acute Tox. 1 - H330	
Skin Irrit. 2 - H315	
Eye Irrit. 2 - H319	
Resp. Sens. 1 - H334	
Skin Sens. 1 - H317	
STOT SE 3 - H335	

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

<b>General information</b>	Remove affected person from source of contamination. Chemical burns must be treated by a physician.
<b>Inhalation</b>	If it is suspected that volatile contaminants are still present around the affected person, first aid personnel should wear an appropriate respirator or self-contained breathing apparatus. First aid personnel should wear appropriate protective equipment during any rescue. If spray/mist has been inhaled, proceed as follows. Remove person to fresh air and keep comfortable for breathing. Maintain an open airway. Rinse nose and mouth with water. Consult a physician for specific advice. Keep affected person warm and at rest. Get medical attention if symptoms are severe or persist.
<b>Ingestion</b>	Rinse mouth thoroughly with water. Do not induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention.
<b>Skin contact</b>	Remove affected person from source of contamination. Remove contaminated clothing immediately and wash skin with soap and water. Get medical attention if any discomfort continues.
<b>Eye contact</b>	Remove affected person from source of contamination. Remove contact lenses, if present and easy to do. Continue rinsing. Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes and get medical attention.
<b>Protection of first aiders</b>	Wash contaminated clothing thoroughly with water before removing it from the affected person, or wear gloves. First aid personnel should wear appropriate protective equipment during any rescue.

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

<b>Inhalation</b>	The product contains organic solvents. Toxic if inhaled.
<b>Ingestion</b>	This product is corrosive. Liquid irritates mucous membranes and may cause abdominal pain if swallowed. May cause chemical burns in mouth and throat.
<b>Skin contact</b>	Causes severe burns.
<b>Eye contact</b>	Redness. Conjunctivitis, irritation, tearing. May cause chemical eye burns.

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

<b>Notes for the doctor</b>	Treat symptomatically.
<b>Specific treatments</b>	No specific chemical antidote is known to be required after exposure to this product.

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### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

**Suitable extinguishing media** Use foam, carbon dioxide, dry powder or water fog to extinguish.

#### 5.2. Special hazards arising from the substance or mixture

**Specific hazards** Not known. Thermal decomposition or combustion products may include the following substances: Toxic gases or vapours.

**Hazardous combustion products** None known.

#### 5.3. Advice for firefighters

**Protective actions during firefighting** Move containers from fire area if it can be done without risk. Control run-off water by containing and keeping it out of sewers and watercourses. Stop leak if safe to do so. Contain and collect extinguishing water. Ventilate closed spaces before entering them. Cool containers exposed to flames with water until well after the fire is out.

**Special protective equipment for firefighters** Use air-supplied respirator, gloves and protective goggles.

### SECTION 6: Accidental release measures

#### 6.1. Personal precautions, protective equipment and emergency procedures

**Personal precautions** Ensure procedures and training for emergency decontamination and disposal are in place. Wear protective clothing as described in Section 8 of this safety data sheet. Avoid inhalation of vapours and contact with skin and eyes. Take care as floors and other surfaces may become slippery. Ensure suitable respiratory protection is worn during removal of spillages in confined areas.

#### 6.2. Environmental precautions

**Environmental precautions** Avoid discharge into drains or watercourses or onto the ground. The product contains substances which are toxic to aquatic organisms and which may cause long-term adverse effects in the aquatic environment. May accumulate in soil and water systems.

#### 6.3. Methods and material for containment and cleaning up

**Methods for cleaning up** Large Spillages: Collect spillage for reclamation or absorb in vermiculite, dry sand or similar material. Flush contaminated area with plenty of water. Small Spillages: Absorb small quantities with paper towels and evaporate in a safe place. Once evaporation is complete, place paper in a suitable waste disposal container and seal securely. Leave small quantities to evaporate, if safe to do so. Allow small quantities to evaporate to the atmosphere in a safe, open place.

#### 6.4. Reference to other sections

**Reference to other sections** For personal protection, see Section 8. See Section 11 for additional information on health hazards. See Section 12 for additional information on ecological hazards. For waste disposal, see Section 13.

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

**Usage precautions** Obtain special instructions before use. Avoid contact with skin, eyes and clothing. Read label before use. Wear protective clothing as described in Section 8 of this safety data sheet. For professional users only.

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### Advice on general occupational hygiene

Take off contaminated clothing. Promptly remove any clothing that becomes wet or contaminated. Remove contaminated clothing and wash the skin thoroughly with soap and water after work. Contaminated clothing should be placed in a closed container for disposal or decontamination. Good personal hygiene procedures should be implemented. Provide eyewash station. Do not eat, drink or smoke when using this product.

### 7.2. Conditions for safe storage, including any incompatibilities

#### Storage precautions

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

### 7.3. Specific end use(s)

#### Specific end use(s)

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

## SECTION 8: Exposure Controls/personal protection

### 8.1. Control parameters

### 8.2. Exposure controls

#### Protective equipment



#### Appropriate engineering controls

As this product contains ingredients with exposure limits, process enclosures, local exhaust ventilation or other engineering controls should be used to keep worker exposure below any statutory or recommended limits, if use generates dust, fumes, gas, vapour or mist.

#### Eye/face protection

Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible.

#### Hand protection

Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible.

#### Other skin and body protection

Wear appropriate clothing to prevent any possibility of liquid contact and repeated or prolonged vapour contact.

#### Hygiene measures

Wash hands and any other contaminated areas of the body with soap and water before leaving the work site. Clean equipment and the work area every day.

#### Respiratory protection

Respiratory protection complying with an approved standard should be worn if a risk assessment indicates inhalation of contaminants is possible.

#### Thermal hazards

If there is a risk of contact with hot product, all protective equipment worn should be suitable for use with high temperatures.

#### Environmental exposure controls

Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation.

## SECTION 9: Physical and Chemical Properties

### 9.1. Information on basic physical and chemical properties

Appearance	Homogeneous
Colour	Transparent
Flash point	>23°C; <60°C
Relative density	1,04–1,10 gr/cm <sup>3</sup> (20°C)
Viscosity	60-70 KU (25°C)

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### 9.2. Other information

#### SECTION 10: Stability and reactivity

##### 10.1. Reactivity

**Reactivity** There are no known reactivity hazards associated with this product.

##### 10.2. Chemical stability

**Stability** Stable at normal ambient temperatures and when used as recommended.

##### 10.3. Possibility of hazardous reactions

##### 10.4. Conditions to avoid

**Conditions to avoid** Avoid exposure to high temperatures or direct sunlight.

##### 10.5. Incompatible materials

##### 10.6. Hazardous decomposition products

**Hazardous decomposition products** Decomposition at ambient temperatures may generate the following substances: Carbon monoxide (CO). Carbon dioxide (CO<sub>2</sub>).

#### SECTION 11: Toxicological information

##### 11.1. Information on toxicological effects

**Toxicological effects** This product is toxic. Allergic skin reaction may be observed in hypersensitive personnel.

##### Acute toxicity - inhalation

**ATE inhalation (vapours mg/l)** 1,222.0

##### Skin corrosion/irritation

**Skin corrosion/irritation** Irritating to skin.

##### Respiratory sensitisation

**Respiratory sensitisation** Sensitising.

##### Skin sensitisation

**Skin sensitisation** No information available.

##### Germ cell mutagenicity

**Genotoxicity - in vitro** No information available.

##### Carcinogenicity

**Carcinogenicity** No information available.

##### Reproductive toxicity

**Reproductive toxicity - fertility** No information available.

##### Specific target organ toxicity - single exposure

**STOT - single exposure** No information available.

##### Specific target organ toxicity - repeated exposure

**STOT - repeated exposure** No information available.

##### Aspiration hazard

**Aspiration hazard** May be harmful if swallowed and enters airways.

##### Inhalation

The product contains organic solvents. May cause drowsiness or dizziness.

##### Ingestion

May be harmful if swallowed. May cause stomach pain or vomiting.

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**Skin contact**                      Liquid may irritate skin.

**Eye contact**                      May irritate eyes.

### SECTION 12: Ecological Information

**Ecotoxicity**                      Dangerous for the environment. The product contains volatile organic compounds (VOCs) which have a photochemical ozone creation potential. May cause long lasting harmful effects to aquatic life. The product may have adverse effects on organisms in soil and water.

#### 12.1. Toxicity

**Toxicity**                              No effects known.

#### 12.2. Persistence and degradability

**Persistence and degradability**    No data available.

#### 12.3. Bioaccumulative potential

**Bioaccumulative potential**        Not known.

#### 12.4. Mobility in soil

#### 12.5. Results of PBT and vPvB assessment

**Results of PBT and vPvB assessment**    This product does not contain any substances classified as PBT or vPvB.

#### 12.6. Other adverse effects

**Other adverse effects**                Not known.

### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

**General information**                Disposal of this product, process solutions, residues and by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any local authority requirements.

**Disposal methods**                    Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority. Confirm disposal procedures with environmental engineer and local regulations. Product residues retained in emptied containers can be hazardous.

### SECTION 14: Transport information

#### 14.1. UN number

**UN No. (ADR/RID)**                    1263

**UN No. (IMDG)**                        1263

**UN No. (ICAO)**                        1263

**UN No. (ADN)**                         1263

#### 14.2. UN proper shipping name

**Proper shipping name (ADR/RID)**        PAINT RELATED MATERIAL

**Proper shipping name (IMDG)**            PAINT RELATED MATERIAL

**Proper shipping name (ICAO)**           PAINT RELATED MATERIAL

**Proper shipping name (ADN)**           PAINT RELATED MATERIAL

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### 14.3. Transport hazard class(es)

ADR/RID class	3
ADR/RID classification code	F1
ADR/RID label	3
IMDG class	3
ICAO class/division	3
ADN class	3

#### Transport labels



### 14.4. Packing group

ADR/RID packing group	III
IMDG packing group	III
ADN packing group	III
ICAO packing group	III

### 14.5. Environmental hazards

#### Environmentally hazardous substance/marine pollutant

No.

### 14.6. Special precautions for user

EmS	F-E, S-E
ADR transport category	3
Emergency Action Code	•3Y
Hazard Identification Number (ADR/RID)	30
Tunnel restriction code	(D/E)

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

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not applicable.

## SECTION 15: Regulatory information

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

EU legislation	Commission Decision 2000/532/EC as amended by Decision 2001/118/EC establishing a list of wastes and hazardous waste pursuant to Council Directive 75/442/EEC on waste and Directive 91/689/EEC on hazardous waste with amendments. Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (as amended). 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 (as amended).
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### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

#### SECTION 16: Other information

<b>Key literature references and sources for data</b>	This SDS has been created as a result of observations, measurements on the product related to the product and the data that raw material suppliers provide
<b>Revision comments</b>	This is first issue.
<b>Issued by</b>	Mr. Tolga DIRAZ - Certified SDS Author - Certificate No: 01.40.08/06.03.2015 / tdiraz@iyigullu.com.tr / +90 224 261 05 37
<b>Revision</b>	0
<b>Supersedes date</b>	12/05/2016
<b>SDS number</b>	5003
<b>Hazard statements in full</b>	H226 Flammable liquid and vapour. H302 Harmful if swallowed. 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. H332 Harmful if inhaled. H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled. H335 May cause respiratory irritation. H336 May cause drowsiness or dizziness. H411 Toxic to aquatic life with long lasting effects. H412 Harmful to aquatic life with long lasting effects. EUH208 Contains hexamethylene-di-isocyanate. May produce an allergic reaction.

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.