SAFETY DATA SHEET

Carboline Carbozinc 859EZ2 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 Carbozinc 859EZ2 Comp. B

Product number 821CZ859EZ2-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 (EC/1272/2008)

Physical hazards Flam. Liq. 2 - H225

Health hazards Skin Corr. 1B - H314 Eye Dam. 1 - H318 Repr. 2 - H361d STOT SE 3 - H335, H336 STOT RE 2 - H373 Asp. Tox. 1 - H304

Environmental hazards Aquatic Chronic 2 - H411

2.2. Label elements

Pictogram

Signal word Danger

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Hazard statements

H225 Highly flammable liquid and vapour.
H304 May be fatal if swallowed and enters airways.
H314 Causes severe skin burns and eye damage.
H335 May cause respiratory irritation.
H336 May cause drowsiness or dizziness.
H361d Suspected of damaging the unborn child.
H373 May cause damage to organs through prolonged or repeated exposure.
H411 Toxic to aquatic life with long lasting effects.

Precautionary statements

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P241 Use explosion-proof electrical equipment.
P243 Take precautionary measures against static discharge.
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.
P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor.
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.
P370+P378 In case of fire: Use foam, carbon dioxide, dry powder or water fog to extinguish.
P403+P235 Store in a well-ventilated place. Keep cool.
P501 Dispose of contents/ container in accordance with national regulations.

Contains

Low boiling point naphtha - unspecified, toluene, Poly[oxy(methyl-1,2-ethanediyl)], .alpha.-(2-aminomethylethyl)-.omega.-(2-aminomethylethoxy)-, Cyclohexanediamine, 1,2-

2.3. Other hazards

No data available.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Low boiling point naphtha - unspecified **40-60%**

CAS number: 64742-95-6 EC number: 265-199-0

Classification
Flam. Liq. 3 - H226
STOT SE 3 - H335, H336
Asp. Tox. 1 - H304
Aquatic Chronic 2 - H411

toluene **20-25%**

CAS number: 108-88-3 EC number: 203-625-9

Classification
Flam. Liq. 2 - H225
Skin Irrit. 2 - H315
Repr. 2 - H361d
STOT SE 3 - H336
STOT RE 2 - H373
Asp. Tox. 1 - H304

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Poly[oxy(methyl-1,2-ethanediyl)], .alpha.-(2-aminomethylethyl)-.omega.-(2-aminomethylethoxy)- **5-10%**

CAS number: 9046-10-0

Classification
Skin Corr. 1B - H314
Eye Dam. 1 - H318

Polystyrene - NLP **5-10%**

CAS number: 9003-53-6

Classification
Flam. Liq. 3 - H226
Acute Tox. 4 - H332
Skin Irrit. 2 - H315
Eye Irrit. 2 - H319

benzyl alcohol **5-10%**

CAS number: 100-51-6 EC number: 202-859-9

Classification
Acute Tox. 4 - H302
Acute Tox. 4 - H312

Cyclohexanediamine, 1,2- **1-5%**

CAS number: 694-83-7

Classification
Acute Tox. 4 - H302
Acute Tox. 4 - H312
Skin Corr. 1A - H314
Eye Dam. 1 - H318
STOT SE 3 - H335

2,4,6-tris(dimethylaminomethyl)phenol **1-5%**

CAS number: 90-72-2 EC number: 202-013-9

Classification
Acute Tox. 4 - H302
Skin Irrit. 2 - H315
Eye Irrit. 2 - H319

The full text for all hazard statements is displayed in Section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

General information Remove affected person from source of contamination. Chemical burns must be treated by a physician.

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Inhalation 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.

Ingestion Rinse mouth thoroughly with water. Do not induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention.

Skin contact 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.

Eye contact 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.

Protection of first aiders 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

Inhalation The product contains organic solvents. Toxic if inhaled.

Ingestion This product is corrosive. Liquid irritates mucous membranes and may cause abdominal pain if swallowed. May cause chemical burns in mouth and throat.

Skin contact Causes severe burns.

Eye contact Redness. Conjunctivitis, irritation, tearing. May cause chemical eye burns.

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

Notes for the doctor Treat symptomatically.

Specific treatments No specific chemical antidote is known to be required after exposure to this product.

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

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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.

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

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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	Clear To Slightly Amber Liquid
Flash point	<23C°
Relative density	0.91- 0.934 gr/cm3 (25 °C)

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 (CO2).

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Toxicological effects This product is toxic. Organ damage possiblity if swallowed or inhaled. Can be fatal.

Acute toxicity - oral

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ATE oral (mg/kg) 434,236.0

Acute toxicity - dermal

ATE dermal (mg/kg) 1,227,876.0

Acute toxicity - inhalation

ATE inhalation (vapours mg/l) 12,365.0

Skin corrosion/irritation

Skin corrosion/irritation Causes severe burns.

Serious eye damage/irritation

Serious eye damage/irritation Causes serious eye damage

Respiratory sensitisation

Respiratory sensitisation No information available.

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 May give damage to unborn child

Specific target organ toxicity - single exposure

STOT - single exposure Classification data.

Specific target organ toxicity - repeated exposure

STOT - repeated exposure may be toxic to specific target organs after repeated exposure.

Aspiration hazard

Aspiration hazard May be fatal 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.

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

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Bioaccumulative potential Not known.

BCF

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) 3469

UN No. (IMDG) 3469

UN No. (ICAO) 3469

UN No. (ADN) 3469

14.2. UN proper shipping name

Proper shipping name (ADR/RID) PAINT, FLAMMABLE, CORROSIVE

Proper shipping name (IMDG) PAINT, FLAMMABLE, CORROSIVE (CONTAİNS Low boiling point naphtha - unspecified)

Proper shipping name (ICAO) PAINT, FLAMMABLE, CORROSIVE

Proper shipping name (ADN) PAINT, FLAMMABLE, CORROSIVE

14.3. Transport hazard class(es)

ADR/RID class 3

ADR/RID subsidiary risk 8

ADR/RID classification code FC

ADR/RID label 3

IMDG class 3

IMDG subsidiary risk 8

ICAO class/division 3

ICAO subsidiary risk 8

ADN class 3

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ADN subsidiary risk	8

Transport labels

14.4. Packing group

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

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant

14.6. Special precautions for user

EmS	F-E, S-C
ADR transport category	2
Emergency Action Code	•3WE
Hazard Identification Number (ADR/RID)	338
Tunnel restriction code	(D/E)

14.7. Transport in bulk according to Annex II of MARPOL 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).

15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

SECTION 16: Other information

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Key literature references and sources for data	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
Revision comments	This is first issue.
Issued by	Mr. Tolga DIRAZ - Certified SDS Author - Certificate No: 01.40.08/06.03.2015 / tdiraz@iyigullu.com.tr / +90 224 261 05 37
Revision	0
Supersedes date	08/09/2016
SDS number	5143
Hazard statements in full	H225 Highly flammable liquid and vapour. H226 Flammable liquid and vapour. H302 Harmful if swallowed. H304 May be fatal if swallowed and enters airways. H312 Harmful in contact with skin. H314 Causes severe skin burns and eye damage. H315 Causes skin irritation. H318 Causes serious eye damage. H319 Causes serious eye irritation. H332 Harmful if inhaled. H335 May cause respiratory irritation. H336 May cause drowsiness or dizziness. H361d Suspected of damaging the unborn child. H373 May cause damage to organs through prolonged or repeated exposure. H411 Toxic to aquatic life with long lasting effects.