

## SAFETY DATA SHEET

It is prepared in accordance with Regulation on Safety Data Sheets of Hazardous Substances and Mixtures (date: 13.12.2014, number: 29204).

Preparation Date : 24.02.2021

Version No : 00

SDS No : 6064

Revision Date : --

### YK MIBC

#### 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

##### 1.1 Identification of the substance/mixture

**Trade name:** YK MIBC

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

**Relevant identified uses :** Solvent, organic synthesis, brake fluids

**Uses advised against :** No data available.

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

**Supplier :** BALANCE KİMYA Sanayi ve Ticaret Ltd. Şti.

**Address :** İstanbul Deri Organize Sanayi Bölgesi Aydınlık Sokak No: 4 P4-3 Özel  
Parsel Tuzla/ İstanbul / TÜRKİYE

**Telephone :** +90 (216) 373 66 66

##### 1.4 Emergency telephone number : + 90 216 394 02 40(Pbx)

**The Ministry Of Health National Poison Advisory Center : 114**

#### 2. HAZARDS IDENTIFICATION

##### 2.1 Classification of the substances or mixture

**Classification according to Regulation of Classification, Labelling and Packaging of Substances and Mixtures (11 December 2013 and 28848 repeating) and EC no 1272/2008 (CLP)**

Flammable liquids Category 3

H226 Flammable liquid and vapor

Serious eye damage/eye irritation Category 2A

H319 Causes serious eye irritation

Specific target organ toxicity – Single exposure, Category 3, Respiratory tract irritation

H335 May cause respiratory irritation

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#### 2.2 Label Elements

Labelling according to Regulation of Classification, Labelling and Packaging of Substances and Mixtures (11 December 2013 and 28848 repeating) and EC no 1272/2008 (CLP).

#### Hazard pictograms:



**Signal word:** Warning

#### Hazard statements

H226 - Flammable liquid and vapor

H319 - Causes serious eye irritation

H335 - May cause respiratory irritation

#### Precautionary statements:

P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P233 - Keep container tightly closed.

P240 - Ground/Bond container and receiving equipment.

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

P242 - Use only non-sparking tools.

P243 - Take precautionary measures against static discharge.

P261 - Avoid breathing dust, fume, gas, mist, spray, vapors.

P264 - Wash hands, forearms and face thoroughly after handling.

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

P280 - Wear eye protection, protective clothing, protective gloves.

P303+P361+P353 - If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.

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P304+P340 - If inhaled: Remove person to fresh air and keep comfortable for breathing.

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

P312 - Call a doctor, a POISON CENTER if you feel unwell.

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

P370+P378 - In case of fire: Use alcohol resistant foam, carbon dioxide (CO<sub>2</sub>), dry extinguishing powder, Water spray to extinguish.

P403+P233 - Store in a well-ventilated place. Keep container tightly closed.

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

P405 - Store locked up.

P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

**Supplemental Hazard Statements (EU) :** No

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

#### 3.2 Mixtures

**Hazardous ingredients according to Regulation of classification, labelling and packaging of substances and mixtures (11 December 2013 and 28848 repeating) and EC no 1272/2008 (CLP)**

Substance type : Mono-constituent.

Chemical Name	%
Methyl Isobutyl Carbinol	≥ 99

The full text of the H statements and hazard signals is contained in section 16. All existing information on exposure limits is contained in section 8.

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#### 4. FIRST AID MEASURES

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##### 4.1 Description of the first aid measures

General advice : Seek medical advice. If breathing has stopped or is labored, give assisted respirations. Supplemental oxygen may be indicated. If the heart has stopped, trained personnel should begin cardiopulmonary resuscitation immediately.

Inhalation : Move to fresh air. Seek medical advice.

Eye contact : Hold eyelids apart, initiate and maintain gentle and continuous irrigation until the patient receives medical care. If medical care is not promptly available, continue to irrigate for one hour.

Skin contact : Immediately remove contaminated clothing, and any extraneous chemical, if possible to do so without delay. Initiate and maintain gentle and continuous irrigation until the patient receives medical care. If medical care is not promptly available, continue to irrigate for one hour. Cover wound with sterile dressing.

Ingestion : Never give anything by mouth to an unconscious person. Prevent aspiration of vomit. Turn victim's head to the side.

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

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11.

#### 5. FIRE-FIGHTING MEASURES

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##### 5.1 Extinguishing media

Suitable extinguishing media: Water, water spray, carbon dioxide, dry chemicals, alcohol-resistant foam,

Unsuitable extinguishing media: No data available.

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

##### 5.3 Advice for firefighters

Avoid contact with the skin. A face shield should be worn. Use personal protective equipment. Wear self contained breathing apparatus for fire fighting if necessary.

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## 6. ACCIDENTAL RELEASE MEASURES

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

Wear suitable protective clothing, gloves and eye/face protection indicated in section 8. Use self-contained breathing apparatus and chemically protective clothing. Evacuate personnel to safe areas.

### 6.2 Environmental precautions

Construct a dike to prevent spreading. Contain contaminated water/firefighting water. Do not discharge into drains/surface waters/groundwater.

### 6.3 Methods and materials for containment and cleaning up

**For large amounts :** Pump off product.

**For residues :** Pick up with suitable absorbent material. Dispose of in accordance with regulations.

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## 7. HANDLING AND STORAGE

### 7.1 Precautions for safe handling

Avoid contact with skin and eyes. Use personal protective equipment (see section 8). Protect from materials to avoid (see section 10). Protect against moisture. Shut containers immediately after taking product because product takes up the humidity of air. When using, do not eat, drink or smoke. No special measures necessary provided product is used correctly.

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

Keep containers tightly closed in a dry, cool and well-ventilated place. Protect from materials to avoid (see section 10).

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## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### 8.1 Control parameters

#### Methyl Isobutyl Carbinol

ACGIH OEL TWA [ppm] 25 ppm [SKIN]

ACGIH OEL STEL [ppm] 40 ppm

### 8.2 Exposure controls

Appropriate engineering controls: Ensure good ventilation of the work station.

Environmental exposure controls: Avoid release to the environment.

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#### 8.2.1 Appropriate engineering controls

Provide readily accessible eye wash stations and safety showers. Provide natural or explosion-proof ventilation adequate to ensure concentrations are kept below exposure limits.

#### 8.2.2 Personal protective equipment



Respiratory protection

Mask (N95 or P1(EN 143))

Hand protection

Gloves (EN 374)

Eye protection

Full face shield with goggles underneath

Skin and body protection

Protective clothes

#### Special instructions for protection and hygiene

Remove contaminated clothing. Drench affected area with water for at least 15 minutes. Provide readily accessible eye wash stations and safety showers. Wash at the end of each work shift and before eating, smoking or using the toilet.

#### 8.2.3 Environmental exposure controls

Construct a dike to prevent spreading. Do not discharge into drains/surface waters/groundwater.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

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

Appearance	:	Clear, colorless liquid.
Odour	:	Mild
Odour Threshold	:	No data available
pH	:	No data available
Melting point	:	-90 °C
Freezing point	:	-90 °C ; -130.0 °F
Boiling point	:	132 °C ; 269.6 °F

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Flammability (solid, gas)	:	No data available
Vapor pressure	:	2.8 mm Hg (at 25 °C)
Vapor density	:	No data available
Relative density	:	3.5
Solubility	:	Moderately soluble in water. Soluble in ethanol. Soluble in ether.
Critical temperature	:	291 °C
Flash point	:	41 °C ; 105.8 °F closed cup

## 10. STABILITY AND REACTIVITY

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### 10.1 Reactivity

Reacts with (some) acids: (increased) risk of fire/explosion. Reacts violently with (strong) oxidizers: (increased) risk of fire/explosion. Flammable liquid and vapo.

### 10.2 Chemical stability

Stable under normal conditions.

### 10.3 Possibility of hazardous reactions

No data available.

### 10.4 Conditions to avoid

Keep containers tightly closed. Protect against moisture.

### 10.5 Incompatible materials

Strong oxidizing agents.

### 10.6 Hazardous decomposition products

Carbonoxides occur in case of fire.

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#### 11. TOXICOLOGICAL INFORMATION

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##### 11.1 Information on toxicological effects

###### 11.1.2 Mixtures

###### Acute toxicity

No data available.

###### Irritation

No data available.

###### Corrosivity

No data available.

###### Sensitisation

No data available.

###### Repeated dose toxicity

No data available.

###### Carcinogenicity

No data available.

###### Mutagenicity

No data available.

#### 12. ECOLOGICAL INFORMATION

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##### 12.1 Toxicity

No data available.

##### 12.2 Persistence and degradability

No data available.

##### 12.3 Bioaccumulative potential

No data available.

##### 12.4 Mobility in soil

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No data available.

#### 12.5 Results of PBT and vPvB assessment

No data available.

#### 12.6 Other adverse effects

No data available.

### 13. DISPOSAL CONSIDERATIONS

#### 13.1 Waste treatment methods

**Waste from residues / unused products:** Contact supplier if guidance is required.

**Contaminated packaging:** Dispose of container and unused contents in accordance with federal, state, and local requirements.

### 14. TRANSPORT INFORMATION

#### 14.1 UN number

ADR/RID: UN2053

IMDG: UN2053

ICAO-TI / IATA: UN2053

#### 14.2 UN proper shipping name

Methyl isobutyl carbinol.

#### 14.3 Transport hazard class(es)

ADR/RID: 3

IMDG: 3

ICAO-TI / IATA: 3

#### 14.4 Packaging group

ADR/RID: III

IMDG: III

ICAO-TI / IATA: III

#### 14.5 Environmental hazards

ADR/RID: No

IMDG Marine pollutant: No

ICAO-TI / IATA: No

#### 14.6 Special precautions for user

DOT Packaging Exceptions (49 CFR 173.xxx) : 150

IMDG

Limited quantities (IMDG) : 5 L

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Excepted quantities (IMDG) : E1

#### 14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable.

### 15. REGULATORY INFORMATION

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

This safety data sheet complies with the requirements of Safety Data Sheet Regulation of Hazardous Substances and Mixtures (13 December 2014 and 29204 repeating).

This safety data sheet complies with the requirements of Annex II of Regulation (EC) No. 1907/2006.

Regulation of Classification, Labelling and Packaging of Substances and Mixtures (11 December 2013 and 28848 repeating)

EC No 1272/2008 (CLP) Regulation of Classification, Labelling and Packaging of Substances and Mixtures

EC No 1907/2006 (REACH) Regulation of Registration, Evaluation, Authorisation and Restriction of Chemicals

ADR The European Agreement Concerning the International Carriage of Dangerous Goods by Road

IMDG Code International Maritime Dangerous Goods Code

ICAO-TI International Civil Aviation Organization - Technical Instructions for the Safe Transport of Dangerous Goods by Air

### 16. OTHER INFORMATIONS

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Comply with national and local legal regulations.

#### Full text of H-Statements referred to under sections 2 and 3

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#### Abbreviations

CAS No : Chemical Abstracts Service Number

DNEL : Derived No-Effect Level

EC No : European Chemical Number : EINECS, ELINCS or NLP

SDS : Safety Data Sheet

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GHS : Global Harmonized System

LC50 : Lethal Concentration 50%

LD50 : Lethal Dose

NOAEL : No Observed Adverse Effect Level

OECD : Organisation for Economic Co-operation and Development

PBT : Persistent, Bioaccumulative and Toxic

vPvB : very Persistent and very Bioaccumulative

WEL : Workplace Exposure Limits

H226 : Flammable liquid and vapor

H319 : Causes serious eye irritation

H335 : May cause respiratory irritation

#### Further information

The information contained herein is based on our state of knowledge at the above-specified date. It refers solely to the product indicated and constitutes no guarantee of particular quality.

It is the duty of the user to ensure that this information is appropriate and complete with respect to the specific use intended. This SDS cancels and replaces any preceding release.