

1. Chemical product and company identification

1.1. Product identifier

Product form : Substance
Trade name : Methyl ethyl ketoxim

1.2. Recommended uses and restrictions

Use Categories : 01 - Feed materials

1.2.1. Relevant identified uses

Sealant

1.2.2. Uses advised against

No additional information available

1.3. Supplier information

- Supplier
Company : Capro
Address : 108-12, Sapyeong-ro, Nam-gu, Ulsan, Korea
Emergency telephone number : 052-270-9783

2. Hazards identification

2.1. Classification of the substance or mixture

Flammable liquids, Category 4	H227
Acute toxicity (oral), Category 5	H303
Acute toxicity (dermal), Category 4	H312
Acute toxicity (inhalation:dust,mist), Category 4	H332
Serious eye damage/eye irritation, Category 2	H319
Specific target organ toxicity - Repeated exposure, Category 2	H373

2.2. Label elements

2.2.1. Hazard pictograms (GHS KR)



2.2.2. Signal word (GHS KR)

Warning.

2.2.3. Hazard statements (GHS KR)

H227 - Combustible liquid.
H303 - May be harmful if swallowed.
H312+H332 - Harmful in contact with skin or if inhaled.
H319 - Causes serious eye irritation.
H373 - May cause damage to organs through prolonged or repeated exposure.

2.2.4. Precautionary statements (GHS KR)

Precaution:

P210 - Keep away from heat/hot surfaces/sparks/open flames/other ignition sources. No smoking.
P260 - Do not breathe dust/fume/gas/mist/vapours/spray.
P261 - Avoid breathing dust/fume/gas/mist/vapours/spray.
P264 - Wash ... thoroughly after handling.
P271 - Use only outdoors or in a well-ventilated area.
P280 - Wear protective gloves/protective clothing/eye protection/face protection.

Methyl ethyl ketoxim

Safety Data Sheet

according to MOEL Public notice 2020-130

Treatment:

P302+P352 - IF ON SKIN: Wash with plenty of water/....

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 POISON CENTER/doctor/... if you feel unwell.

P314 - Get medical advice/attention if you feel unwell.

P321 - Specific treatment (see ... on this label).

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

P362+P364 - Take off contaminated clothing and wash it before reuse.

P370+P378 - In case of fire: Use ... to extinguish.

Storage:

P403 - Store in a well-ventilated place.

Disposal:

P501 - Dispose of contents/container according to waste related regulations.

2.3. Hazards - Other hazards which do not result in classification - Hazard Risk

No data available

3. Composition/information on ingredients

Product form : Substance

Substance name	Other Names	Product identifier number	Concentration (%)
Methyl ethyl ketoxim	-	CAS-No.: 96-29-7 KECI-No.: KE-03881	100

4. First-aid measures

4.1. First-aid measures after eye contact

Rinse cautiously with water for several minutes.

Remove contact lenses, if present and easy to do. Continue rinsing.

If eye irritation persists: Get medical advice/attention.

4.2. First-aid measures after skin contact

Take off immediately all contaminated clothing.

Call a physician immediately.

Wash skin with plenty of water.

4.3. First-aid measures after inhalation

Remove person to fresh air and keep comfortable for breathing.

Call a poison center or a doctor if you feel unwell.

4.4. First-aid measures after ingestion

Rinse mouth.

Call a poison center or a doctor if you feel unwell.

4.5. Other medical advice or treatment

Treat symptomatically.

Methyl ethyl ketoxim

Safety Data Sheet

according to MOEL Public notice 2020-130

5. Fire-fighting measures

5.1. Suitable (and unsuitable) extinguishing media

Suitable extinguishing media : Water spray. Dry powder. Foam. Carbon dioxide.
Unsuitable extinguishing media : Not applicable

5.2. Special hazards arising from the substance or mixture

Fire hazard : Combustible liquid.

5.3. Special protective equipment and precautions for fire-fighters

Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Only qualified personnel equipped with suitable protective equipment may intervene.
No open flames, no sparks, and no smoking.
Do not breathe dust/fume/gas/mist/vapours/spray.
Do not attempt to take action without suitable protective equipment.
For further information refer to section 8: "Exposure controls/personal protection".
Dispose of materials or solid residues at an authorized site.

6.2. Environmental precautions and protective procedures

Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

Take up liquid spill into absorbent material.
Notify authorities if product enters sewers or public waters.

7. Handling and storage

7.1. Precautions for safe handling

Ensure good ventilation of the work station.
Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
Wear personal protective equipment.
Do not breathe dust/fume/gas/mist/vapours/spray.
Do not get in eyes, on skin, or on clothing.
Use only outdoors or in a well-ventilated area.
Wash contaminated clothing before reuse.
Do not eat, drink or smoke when using this product.
Always wash hands after handling the product.

7.2. Conditions for safe storage

Store locked up.
Store in a well-ventilated place.
Keep cool.

8. Exposure controls/personal protection

8.1. Occupational Exposure Limits

No data available

Methyl ethyl ketoxim

Safety Data Sheet

according to MOEL Public notice 2020-130

8.2. Appropriate engineering controls

Appropriate engineering controls : Ensure good ventilation of the work station.
Environmental exposure controls : Avoid release to the environment.

8.3. Personal protection

Hand protection:

Protective gloves

Eye protection:

Safety glasses

Skin and body protection:

Wear suitable protective clothing

Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment. [In case of inadequate ventilation] wear respiratory protection.

Personal protective equipment symbol(s):



9. Physical and chemical properties

a) Appearance	: No data available
Physical state	: Liquid.
b) Odour	: No data available
c) Odour threshold	: No data available
d) pH	: 7.75
e) Melting / freezing point	: -29.5 °C /
f) Initial boiling point and boiling range	: 151.5 °C
g) Flash point	: 70 °C
h) Evaporation rate	: No data available
i) Flammability (solid, gas)	: Not applicable.
j) Upper / lower flammability or explosive limits	: 1.5 – 5.3 vol %
k) Vapour pressure	: 0.396 kPa 25°C
l) Solubility	: Solubility in water: 100000 mg/l 20°C Log Pow: 0.63
m) Vapour density	: 3 air=1
n) Relative density	: No data available
o) Partition coefficient n-octanol/water	: No data available
p) Auto-ignition temperature	: No data available
q) Decomposition temperature	: No data available
r) Viscosity, kinematic	: 16247.834 mm ² /s
Viscosity, dynamic	: 15 mPa·s
s) Molecular mass	: 87 g/mol

Other information

Relative evaporation rate (butylacetate=1) : 1 butyl acetate=1
Density : 0.9232 g/l 20°C

Methyl ethyl ketoxim

Safety Data Sheet

according to MOEL Public notice 2020-130

10. Stability and reactivity

10.1. Chemical stability and Possibility of hazardous reactions

The product is non-reactive under normal conditions of use, storage and transport.

Stable under normal conditions.

No dangerous reactions known under normal conditions of use.

10.2. Conditions to avoid

None under recommended storage and handling conditions (see section 7).

Avoid contact with hot surfaces.

Heat.

No flames, no sparks. Eliminate all sources of ignition.

10.3. Incompatible materials

No data available

10.4. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

11. Toxicological information

11.1. Information on exposure routes

Oral : May be harmful if swallowed.
Skin and eyes contact : Harmful in contact with skin. Causes serious eye irritation.
Inhalation : Inhalation:dust,mist: Harmful if inhaled.

11.2. Health hazards

Acute toxicity (oral):

May be harmful if swallowed.

Acute toxicity (dermal):

Harmful in contact with skin.

Acute toxicity (inhalation):

Inhalation:dust,mist: Harmful if inhaled.

Methyl ethyl ketoxim (96-29-7)

LD50 oral rat	2326 mg/kg
LD50 dermal rat	> 1000 mg/kg
LC50 Inhalation - Rat	> 4.83 mg/l/4h

Skin corrosion/irritation:

Not classified

Serious eye damage/irritation:

Causes serious eye irritation.

Respiratory sensitization:

Not classified

Skin sensitization:

Not classified

Carcinogenicity:

Not classified

Mutagenicity:

Not classified

Methyl ethyl ketoxim

Safety Data Sheet

according to MOEL Public notice 2020-130

Reproductive toxicity:

Not classified

STOT-single exposure:

Not classified

STOT-repeated exposure:

May cause damage to organs through prolonged or repeated exposure.

Methyl ethyl ketoxim (96-29-7)	
LOAEL (oral, rat, 90 days)	40 mg/kg bodyweight/day
NOAEL (oral, rat, 90 days)	< 40 mg/kg bodyweight/day

Aspiration hazard:

Not classified

Methyl ethyl ketoxim (96-29-7)	
Viscosity, kinematic	16247.834 mm ² /s

12. Ecological information

12.1. Ecotoxicity

Ecology - general	: The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.
Hazardous to the aquatic environment, short-term (acute)	: Not classified
Hazardous to the aquatic environment, long-term (chronic)	: Not classified

Methyl ethyl ketoxim (96-29-7)	
LC50 - Fish [1]	> 100 mg/l
EC50 - Crustacea [1]	201 ml/l
Partition coefficient n-octanol/water (Log Pow)	0.63

12.2. Persistence and degradability

No data available

12.3. Bioaccumulative potential

Methyl ethyl ketoxim (96-29-7)	
Partition coefficient n-octanol/water (Log Pow)	0.63

12.4. Mobility in soil

Methyl ethyl ketoxim (96-29-7)	
Partition coefficient n-octanol/water (Log Pow)	0.63

12.5. Other adverse effects

Ozone	: Not classified
Other adverse effects	: No additional information available

Methyl ethyl ketoxim

Safety Data Sheet

according to MOEL Public notice 2020-130

13. Disposal considerations





13.1. Disposal method

Dispose of contents/container in accordance with licensed collector's sorting instructions.

13.2. Disposal precaution

No data available

14. Transport information

UN RTDG	ADR	IMDG	IATA
14.1. UN number			
1993	1993	1993	1993
14.2. UN proper shipping name			
FLAMMABLE LIQUID, N.O.S.	FLAMMABLE LIQUID, N.O.S.	FLAMMABLE LIQUID, N.O.S.	Flammable liquid, n.o.s.
14.3. Transport hazard class(es)			
3	3	3	3
			
14.4. Packing group			
III	III	III	III
14.5. Marine pollutant			
Dangerous for the environment: No	Dangerous for the environment: No	Dangerous for the environment: No Marine pollutant: No	Dangerous for the environment: No
No supplementary information available			

14.6. Special precautions for user

No data available

15. Regulatory information

15.1. Occupational Safety and Health Act

Hazardous Substances Prohibited for Manufacturing	Not applicable	
Hazardous Substances Requiring Permission	Not applicable	
Threshold Limit Values Chemicals	Not applicable	
Hazardous Substances Below Permissible Level	Not applicable	
Hazardous Substances Subject to Working Environment Measurement	Not applicable	
Hazardous Substances Subject to Workers Requiring Health Examination	Not applicable	
Hazardous Substances Subject to Control	Not applicable	
Substances Subject to Submission of PSM	Applicable	Flammable Liquid

15.2. Chemicals Control Act

Toxic Chemicals	Not applicable
Prohibited Chemicals	Not applicable
Restricted Chemicals	Not applicable

Methyl ethyl ketoxim

Safety Data Sheet

according to MOEL Public notice 2020-130

Substance requiring preparation for accidents Not applicable

15.3. ACT ON REGISTRATION, EVALUATION, ETC. OF CHEMICALS (K-REACH)

Korea Existing Chemicals Inventory (KECI)	KECI-No. : KE-03881. Methyl ethyl ketoxim
Priority Existing Chemical ('PEC') – subject to registration	Not applicable
Priority Control Substances (Korea)	Not applicable
CMR Substances (Korea)	Not applicable

15.4. Safety Control of Dangerous Substances Act

Safety Control of Dangerous Substances Act	Class 4 Flammable liquid - category 4 Second class Petroleum Water-insoluble (Designated quantity: 1,000 liter)
--	---

15.5. Wastes Control Act

Wastes Control Act	Not applicable
--------------------	----------------

15.6. Other Domestic and International Regulatory Information

Domestic

Persistent Organic Pollutants(POPs) Control Act	Not applicable
Ozone Depleting Substances(ODS)	Not applicable

International

EU Regulatory Information

EU Candidate list (SVHC)	Methyl ethyl ketoxim is not on the REACH Candidate List
EU authorization list (REACH Annex XIV)	Methyl ethyl ketoxim is not on the REACH Annex XIV List
EU restriction list (REACH Annex XVII)	Not applicable

US Regulatory Information

CERCLA Section 103 (40CFR302.4)	Not applicable
EPCRA Section 302 (40CFR355.30)	Not applicable
EPCRA Section 304 (40CFR355.40)	Not applicable
EPCRA Section 313 (40CFR372.65)	Not applicable

International agreements

No data available

16. Other information

16.1. Data sources:	KOSHA, ECHA.
16.2. Issue date:	08/08/1999
16.3. Revision number and date:	8.0, 30/09/2021
16.4. Other information:	No data available
16.5. Indication of changes:	No data available

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.