

According to the Regulation EC No. 1907/2006

MF 35 A

Date Prepared : Aug. 15, 2016
Revision : 0

Revision Date : -
SDS No : GBF - 2158

1- IDENTIFICATION OF THE SUBSTANCE AND OF THE COMPANY

1.1- Product Identifier

Product Name MF 35 A

1.2- Relevant identified uses of the substance advised against

Identified uses Three-component road marking paint. It combines the ease of application of cold road marking paint and the longevity of thermoplastic road marking paint.
Usage advised against No information available.

1.3- Details of the supplier of the substance or mixture

Address SIGNATEKMA Boya ve Sinyalizasyon San.ve Tic. A.Ş.
Kurtuluş Caddesi No:23 Yazıbaşı – Torbalı / İzmir / Turkey
Telephone + 90 232 853 85 70
Fax + 90 232 853 73 79
E-mail info@signatekma.com.tr

1.4- Emergency telephone number

Signatekma 0 532 505 00 23

2- HAZARDS IDENTIFICATION

2.1- Classification of the substance:

According to the Regulation of EC 1272/2008 (CLP):

Flammable Liquid, Category 2, H225
Skin Irritation, Category 2, H315
Skin Sensitizer, Category 1, H317
Specific Target Organ Toxicity, Single Exposure, Category 3, H335

2.2- Label elements:

According to the Regulation of EC 1272/2008 (CLP):

Hazard Pictograms:



Signal word Danger

Hazard statements

H225 Highly flammable liquid and vapour.
H315 Causes skin irritation.
H317 May cause allergic skin reaction.
H335 May cause respiratory tract irritation

Precautinary statements

Prevention

P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
P233 Keep container tightly closed.

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- P240 Ground/bond container and receiving equipment.
- P241 Use explosion-proof electrical/ventilating/lighting/.../equipment.
- P242 Use only non-sparking tools.
- P243 Take precautionary measures against static discharge.
- P261 Avoid breathing the mist / vapor / spray.
- P264 Wash hands thoroughly after handling.
- P270 Do not eat, drink or smoke when using this product
- P271 Use only outdoors or in a well-ventilated area.
- P272 Contaminated work clothing should not be allowed out of the workplace.
- P280 Wear protective gloves/protective clothing/eye protection/face protection.

Response

- P302+P352 IF ON SKIN: Wash with plenty of soap and water.
- P303+P361+P353 IF ON SKIN (or hair): Remove / Take off immediately all contaminated clothing. Rinse skin with water/shower.
- P304+P340 IF INHALED: Remove the 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.
- P321 Specific treatment (see ... on this label).
- P332+P313 If skin irritation occurs: Get medical attention / intervention.
- P333+P313 If skin irritation or rash occurs: Get medical advice / attention.
- P362 Take off contaminated clothing and wash before reuse.
- P370+P378 In case of fire: Use to extinguish.

Storage

- 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.

Disposal

- P501 Dispose of contents/containers to....

2.3- Other Hazards:

Not applicable

3- COMPOSITION/INFORMATION ON INGREDIENTS

3.2- Substance

Chemical name	EC No.	CAS No.	%	Classification
Methyl methacrylate	201-297-1	80-62-6	10 ≤ X < 25	Flam. Liq..2, H225 Skin Irrit. 2, H315 Skin Sens. 1, H317 STOT SE 3, H335
2-ethylhexyl acrylate	203-080-7	103-11-7	2,5 ≤ X < 10	Skin Irrit. 2, H315 Skin Sens. 1, H317 STOT SE 3, H335 Aquatic Chronic 3, H412

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Chemical name	EC No.	CAS No.	%	Classification
2-hydroxypropyl methacrylate	213-090-3	923-26-2	2,5 ≤ X < 10	Eye Irrit. 2, H319 Skin Sens. 1, H317

Full text of H-statements: see section 16.

4- FIRST AID MEASURES

4.1- Description of first aid measures

General

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

Skin contact

Contact may cause moderate skin irritation during use. Avoid prolonged exposure to skin products. Wash the irritant area with plenty of soap and water. If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash before reuse.

Eye contact

Contact with product may cause severe eye irritation. In case of contact with liquid, rinse affected eye with clean water for at least 15 minutes. If irritation occurs: Get medical advice/attention.

Inhalation

Remove the victim to fresh air and hold him in a comfortable position for easy breathing. If irritation persists, seek medical attention.

Ingestion

Under normal circumstances, it is not likely to occur. No significant irritation.

5- FIRE FIGHTING MEASURES

5.1- General information

The product is classified as flammable. Flash point ≤ 21 °C

5.2- Suitable Extinguishing Media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide. Never use water to extinguish.

5.3- Special hazards arising from the substance or mixture

No data available.

5.4- Special hazards arising from the substance or mixture

Wear full protective clothing including self-contained breathing apparatus for firefighting if necessary.

5.5- Special methods

Use only outdoors or in a well-ventilated area. Keep away from heat/sparks/flames/hot surfaces. - No smoking. Use only non-sparking tools. Take precautionary measures against static discharge. Use explosion-proof electrical/ventilation/flammable/material.

6- ACCIDENTAL RELEASE MEASURES

6.1- Personal precautions, protective equipment, and emergency procedures

Avoid contact with eyes and skin of the product. Use personal protective equipment. Make sure of good ventilation. In case of insufficient ventilation wear suitable respiratory equipment.

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6.2- Environmental precautions

Collect contaminated/extinguishing water. Place spilled material in a container to dispose of non-combustible absorbent materials such as sand, earth, vermiculite, and diatomaceous earth in accordance with local regulations. (see section 13). Do not allow it to interfere with water, soil and sewage.

6.3- Methods and materials for containment and cleaning up

This is a dangerous waste. Collect and packaging back for recycling or disposal.

6.4- Reference to other sections

Information on safe handling is given in section 7. Information on personal protective equipment is given in section 8. Disposal information from chapter 13

7- HANDLING AND STORAGE

7.1- Precautions for safe use

Ensure that the work area is well ventilated. Avoid long-term contact with your eyes and skin. Wash thoroughly with detergent after handling.

7.2- Condition for safe storage, including any incompatibilities

Keep away from strong solvents and extreme heat. Store in a dry and well-ventilated enclosed area. Store in its original packaging. Take precautions against static discharges. The product can be electrostatically charged; Wear antistatic shoes and clothes. Protect from all kinds of fire and heat source, sunlight. Do not smoke.

7.3- Specific end use(s)

Road marking paint.

8- EXPOSURE CONTROLS, PERSONAL PROTECTION

8.1- Exposure Limit Values

Control parameters

- Regulation on Health and Safety Precautions in Chemical Ingredients Studies (TR):

Methyl methacrylate (80-62-6)

TWA	50 ppm
STEL	100 ppm

8.2 - Exposure controls



General Protection and Hygiene Measures	Keep the container tightly closed. Wash your hands at the end of the work and break. Do not eat or drink any food while using this product.
Respiratory protection	No respiratory protection is required. Use a mask according to EN 143 if necessary.
Eye/Face protection	Use safety goggles in accordance with EN 166 with side-shielded, which fit perfectly into areas where there is a high risk of splashing. It is advisable to have a shower in the work area.
Hand protection	Use neoprene or nitrile gloves in accordance with EN 374. Protective cream can be used before starting work. Do not clean with cream after coming into contact with paint.

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Body protection If necessary, use work clothes in accordance with EN 465 or EN 467 and work shoes in accordance with EN 347 standards.

8.2- Environmental exposure controls

The provisions of existing legislation for the protection of the environment must be fully implemented.

9- PHYSICAL AND CHEMICAL PROPERTIES

9.1- Information on basic physical and chemical properties:

Physical State	Liquid
pH	Not determined.
Boiling point, °C	Not determined
Flash point, °C	≤ 21 °C.
Vapor pressure (hPa) (20°C)	below 110 kPa (1.10)
Density @ 20°C, gr/m ³	> 1
Solubility in water @ 20°C	insoluble.

9.2- Other Information:

Melting Point, ° C	Not determined.
Decomposition Point, ° C	Not determined.
Self-ignition Temperature, ° C	Not determined.

10- STABILITY AND REACTIVITY

10.1- Reactivity

The substance is stable under normal storage and handling conditions.

10.2- Chemical stability

It is stable under normal conditions.

10.3- Possibility of hazardous reactions

Under normal circumstances, reactions that may occur are not dangerous.

10.4- Conditions to avoid

Do not expose to incompatible materials.

10.5- Substances to avoid

Avoid strong acids and alkaline solutions that will damage the surface appearance of the material.

10.6- Hazardous decomposition products

The thermal decomposition product may contain various liberated carbon oxides.

11- TOXICOLOGICAL INFORMATION

11.1- Information on toxicological effects

Acute toxicity No data available.

Components:

Methyl methacrylate (80-62-6)

Oral	LD50: 9400 mg/kg
Inhalation	LC100: 16000 ppm (4 h)
Dermal	LD50: > 5000 mg/kg

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2-ethylhexyl acrylate (103-11-7)

Oral	LD50: 5766 mg/kg
Inhalation	LC50: > 7713 mg/l (30 min)
Dermal	LD50: > 12000 mg/kg

11.2- Corrosion and irritation

Serious eye damage/irritation	No data available.
Skin corrosion/irritation	Causes skin irritation
Skin sensitization	No data available.
Respiratory sensitization	No data available.
Respiratory tract irritation	The respiratory tract may cause irritation.

11.3- Chronic effects

Carcinogenicity	Not listed in ACGIH, IARC or NTP.
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11.4- Other Toxicity Effects

Mutagenicity	No data available.
Reproduction toxicity	No data available
Epidemiology	No data available
Teratogenicity	No data available
Specific Target Organ Toxicity - Single Exposure	No data available
Specific Target Organ Toxicity - Repeated Exposure	No data available

12- ECOLOGICAL INFORMATION

12.1- Toxicity

Product-related data is not available.
Components:

Methyl methacrylate (80-62-6)

Acute fish toxicity	LC50: 350 mg/l (48 h)
Acute daphnia magna toxicity	EC50: 1760 mg/l (24 h)
Acute algae toxicity	LC50:> 170 mg/l (96 h)

2-ethylhexyl acrylate (103-11-7)

Acute fish toxicity	LC50: 5.2 mg/l (96 h)
Acute daphnia magna toxicity	EC50: 1.3 mg/l (48 h)
Acute algae toxicity	NOEC:> 1.71 mg/l (72 h)

12.2- Persistence and degradability

No data available.

12.3- Bioaccumulative potential

No data available.

12.4- Mobility in soil

No data available.

12.5- Results of PBT and vPvB assessment

No data available.

12.6- Other adverse effects

No data available.

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13- DISPOSAL CONSIDERATIONS

13.1- Waste treatment methods

Material may be hazardous and special handling may be required for disposal. Not given to sewer. Disposal in storage must comply with federal, state and local regulations.


14- TRANSPORT INFORMATION

Land transport (ADR / RID)


14.1- UN number	UN1263	
14.2- Proper UN transport name	Paint	
14.3- Transport hazard class(es)	3	
14.4- Packing group	II	
14.5- Environmental hazards	Not harmful to the environment.	
14.6- Bulk transport according to Annex II of MARPOL 73/78 and the IBC Code	Not applicable.	
Limited quantity (ADR/RID)	5 L	
Tank code (ADR/RID)	LGBF	
Vehicle for tank carriage	FL	
Tunnel code	2 (D/E)	
Hazard identification no.	33	
Orange plates		

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1263

Sea transport (IMDG Code)

14.1- UN number	UN1263	
14.2- Proper UN transport name	Paint	
14.3- Transport hazard class (es)	3	
14.4- Packing group	II	
14.5- Environmental hazards	Not harmful to the environment.	
14.6- Bulk transport according to Annex II of MARPOL 73/78 and the IBC Code	Not applicable.	
Limited quantity (IMDG)	LQ	
EmS No (Fire)	F-E	
N*FS (Spill)	S-E	

Air Transport (ICAO-IATA/DGR)

14.1- UN number	UN1263	
14.2- Proper UN transport name	Paint	
14.3- Transport hazard class (es)	3	
14.4- Packing group	II	
14.5- Environmental hazards	Not harmful to the environment.	
14.6- Bulk transport according to Annex II of MARPOL 73/78 and the IBC Code	Not applicable.	

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15- REGULATORY INFORMATION

15.1- Safety, health and environmental regulations specific for the substance or mixture

- Regulation (EC) No 1907/2006, (REACH),
- Commission Regulation (EU) No 453/2010 amending Regulation (EC) No 1907/2006,
- Regulation (EC) No 1272/2008 (CLP),
- Commission Directive 2006/15/EC,
- Commission Directive 2000/39/EC
- Council Directive 91/689/EEC,
- ADR - European Agreement Concerning the International Carriage of Dangerous Goods by Road

16- OTHER INFORMATION

16.1- The relevant H phrases (number and full text):

- H225** Highly flammable liquid and vapor.
H315 Causes skin irritation.
H317 Causes allergic skin reactions.
H331 Toxic by inhalation
H332 Harmful by inhalation
H335 May cause respiratory irritation
H412 Long-lasting, harmful effect in aquatic environment.

16.2- Abbreviations and acronyms

- ADR : European Agreement Concerning the Int. Carriage of Dangerous Goods by Road
CAS No : Chemical Abstract Service Index Number
EC No : European Commission Number
EC50 : Concentration which produces a certain effect under the conditions determined in 50% of the organisms subjected to the test
IATA : International Air Transport Association
ICAO : International Civil Aviation Organization
IMDG : International Maritime Code for Dangerous Goods
LC50 : Lethal Concentration 50% (Substance concentration should be in the air to kill 50% of the test animals)
LD50 : Lethal Dose 50% (The amount of substance required to be dosed at a time to kill 50% of test animals)
REACH : Regulation on the Registration, Evaluation, Authorisation and Restriction of Chemicals in the European Union
STEL : Short Term Exposure Limit
TWA : Time Weighted Average

16.3- Further Information:

This safety data sheet has been prepared in accordance with the information received from the product owner. The information in this document is based on the best available information. This information applies only to the specified substance/preparation.

The information given in this document does not constitute a guarantee/warranty for the product specifications and does not constitute a legally binding contract/contingent legal relationship feature. This document completes the technical documentation but can not be replaced. The information provided is based on our current knowledge of the product at the time of publication. Based on good goodness.

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