

SAFETY DATA SHEET

MTN MARCADOR ACRYLIC D 1/8

Date: 11/01/2022

ACCORDING TO EC-REGULATIONS 1907/2006 (REACH), 1272/2008 (CLP)

& 453/2010

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING**1.1 Product identifier**

Product Name / Product Number

MTN MARCADOR ACRYLIC 0.5mm	PMA-10/SP
MTN MARCADOR ACRYLIC 1mm	PMA-20/SP
MTN MARCADOR ACRYLIC 2mm	PMA-30/SP
MTN MARCADOR ACRYLIC 6mm	PMA-50/SP
MTN MARCADOR ACRYLIC 15mm	PMA-120/SP-2
MTN MARCADOR ACRYLIC 30mm	PMA-130/SP-2
MTN MARCADOR ACRYLIC 50mm	PMA-150/SP-

CAS No.

EINECS No.

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

Identified Use(s)

Uses Advised Against

Drawing

1.3 Details of the supplier of the safety data sheet

Company Identification

None known.

Telephone

Fax

E-Mail (competent person)

Higashiyama Corporation
575-1, Minamikyobate-cho, 7-chome, Nara-shi, Nara, 630-8141,
Japan +81. 742. 62. 1120 +81. 742. 62. 1124 m-okuda@east-hill.co.jp

1.4 Emergency telephone number

Languages spoken

+81-742-62-1120 [9:00 – 17:00 JST (GMT+9)].

Japanese

SECTION 2: HAZARDS IDENTIFICATION**2.1 Classification of the substance or mixture****2.1.1 Regulation (EC) No. 1272/2008 (CLP)**

(metallic color only)

2.2 Label elements

Product Name

MTN MARCADOR ACRYLIC 0.5mm

PMA-10/SP

Hazard Pictogram(s)



Signal Word(s)

Warning

Hazard Statement(s)

H315

Causes skin irritation

Precautionary Statement(s)

P264

Wash hands thoroughly after handling.

P280

Wear protective gloves.

P302+P352

IF ON SKIN: Wash with plenty of soap and water.

P332+P313

If skin irritation occurs, seek medical advice/attention.

P362+P364

Take of contaminated clothing and wash before re-use.

2.3 Other hazards

EUH211

Warning! Dangerous droplets may be formed when sprayed.
See information supplied by the manufacturer. Comply with the safety instructions.

EUH208

Contains 1,2-benzisothiazol-3(2H)-one and 2-octyl-2H-isothiazol-3-one.
May produce an allergic reaction.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**3.1 Substances Not applicable****3.2 Mixtures** Substances in preparations / mixtures EC Classification Regulation (EC) No. 1272/2008 (CLP)

Chemical identity of the substance	%W/W	CAS No.	EC No.	REACH Registration No.	Hazard Statement(s)
Titanium dioxide (except metallic color)	< 30	13463-67-7	236-675-5	None assigned.	Not Classified.
Carbon Black (except metallic color)	9.0 - 10	1333-86-4	215-609-9	None assigned.	Not Classified.
Aluminum flake (metallic color only)	≤10.3	7429-90-5	231-072-3	None assigned.	Pyr. Sol. 1: H250 Water-react. 2: H261

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Isopropyl alcohol (except metallic color)	< 1.0	67-63-0	200-661-7	None assigned.	Flam. Liq. 2: H225 STOT SE 3: H336 Eye Irrit. 2: H319
Ethylene glycol	< 3.0	107-21-1	203-473-3	None assigned.	Acute Tox. 4: H302
Butyl cellosolve	< 0.4	111-76-2	203-905-0	None assigned.	Acute Tox. 4 *:H332 Acute Tox. 4 *:H312 Acute Tox. 4 *:H302 Skin Irrit. 2:H315 Eye Irrit. 2: H319

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Propylene glycol mono methyl ether (metallic color only)	≤4.7	107-98-2	203-539-1	None assigned.	Flam. Liq. 3: H226 STOT SE 3: H336
Phosphoric acid (metallic color only)	≤0.2	7664-38-2	231-633-2	None assigned.	Skin Corr. 1B: H314
Ammonium Hydroxide (metallic color only)	≤1.1	1336-21-6	215-647-6	None assigned.	Skin Corr. 1B: H314 Aquatic Acute 1: H400
Water-soluble Resin	< 10	-	-	None assigned.	Not Classified.
Water	30 - 90	7732-18-5	231-791-2	None assigned.	Not Classified.
1,2-benzisothiazol-3(2H)-one	< 0.03	2634-33-5	220-120-9	None assigned.	Acute Tox. 4: H302 Skin Irrit. 2: H315 Skin Sens.1: H317 Eye Dam. 1: H318 Aquatic Acute 1: H400
2-octyl-2H-isothiazol-3-one	< 0.01	26530-20-1	247-761-7	None assigned.	Acute Tox. 4: H302 Acute Tox. 3: H311 Acute Tox. 3: H331 Skin Corr. 1B: H314 Skin Sens.1: H317 Aquatic Acute 1: H400 Aquatic Chronic 1: H410

3.3 Additional Information

For full text of H/P phrases see section 16.

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures

Inhalation
Skin Contact

Remove the victim to the fresh air area. If feel bad, see a doctor.

Put off the all polluted clothes immediately. Clean with the proper temp. and slow flowing water for over 15 minutes. If have irritate the skin, see a doctor. Call a doctor if feel bad. Before re-use the put off clothes, clean it up and remove the pollution.

Eye Contact

Put off the contacts if possible, and continue to clean. Clean the eyes carefully for a few minutes. If the eyes get this product, clean the eye immediately and wash away completely. If the cleaning eyes not enough, it may cause irreversible eye damage. If irritate to the eyes continue, see a doctor.

Ingestion
Expected acute symptom and late symptom

Call a doctor, if feel bad. Rinse the mouth out. Do not have the victim vomit. Sialorrhoea, face flash, cough, dizzy, lethargy, headache, sore throat, deliquium animi barf, vomition

4.2 Most important symptoms and effects, both acute and delayed

No data

4.3 Indication of any immediate medical attention and special treatment needed

Rescuer must wear proper protective equipment according to the situation.

Symptom will appear later, so that if the patient exposed excessively, it needs medical follow progress.

SECTION 5: FIRE-FIGHTING MEASURES

5.1 Extinguishing media

Suitable Extinguishing Media

Small fire / Carbon dioxide, dry chemical extinguishing media, water spray, alcoholic resistance foam.

Water spray, mist water, alcoholic resistance form.

Unsuitable extinguishing Media

Cylindrical pouring water.

5.2

Special hazards arising from the substance or mixture The irritative, toxicity and corrosive gas is generated by fire. The container will be burst by heating. If it is not dangerous, move the container from the fire area.

If it is impossible to move, cool the container and around by spraying water. After extinguishing a fire, cool the container completely by large quantity of water.

5.3 Advice for fire-fighters

For fighting fire, wear compressed air open-circuit SBCA and protect equipment for chemical. Fight a fire from up wind.

SECTION 6: ACCIDENTAL RELEASE MEASURES

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- 6.1 Personal precautions, protective equipment and emergency procedures** The worker must wear proper protector (refer to section 8) not to get the paint on the skin or into eyes. Do not touch the leakage material or walk into it.
- Keep the proper distance in all direction as the leakage area immediately. No unauthorized entry. If leakage but not occur a fire, wear the occlusive and impervious protect wear. Stay in the wind. Move away from the low ground.
- Ventilate before enter the sealed area.
- 6.2 Environmental precautions** Prevent from influx into the drain ditch, sewer, basement and closed area.
- Take notice not to affect the environment by discharge the paint into the river.
- 6.3 Methods and material for containment and cleaning up**
- Collect Neutralization: In small quantity case, absorb the leakage material by dry sand and nonflammable material or collect it in the sealed type container then dispose it. In small quantity case, collect the absorbed material by clean antistatic tools. In large quantity case, yard the leakage material by mound to prevent flow out and lead it into safety area then collect it. In large quantity case, water spray lower the steam temperature but it may not inhibit combustion at the sealed area.
- Containment or Depurant and Equipment: If it is not danger, stop the leakage.
- Ground all equipment which need for handle the leakage material. Use steam retard foam for lower the steam concentration.
- Precaution of Second Disaster: Clear away all ignition source immediately (Do not smoking near around, forbid firework and flame).
- In case large steam generating, retard it by mist spray. Call related agency and ask the help. See Section: 8, 13
- 6.4 Reference to other sections**

SECTION 7: HANDLING AND STORAGE

- 7.1 Precautions for safe handling**
- Do the equipment measure described on the section 8 and wear protector. Do the local exhaust ventilation and whole ventilation described on section 8.
- Prevent leakage the liquid and steam as possible.
- This product irritate the eyes so that care not to get it into the eyes. This product may cause sleep or vertigo, irritate the apparatus respiratorius and damage organ parts so that do not touch, inhale and swallow it. Do not fall, drop, shock or drag the container. Clean hands well after use this product.
- Use this product outside or well ventilated area only. Avoid touching, refer to the section 10.
- Keep away from high temperature materials spark and fire, and avoid touching oxidizer and organic peroxide.
- 7.2 Conditions for safe storage, including any incompatibilities**
- Storage
- Keep the container airtight and stock it in well ventilated place. Stock in the fulfilled and ventilated and cool place. Keep away from oxidant. Keep away from direct sunlight and fire. The inventory location must be fireproof construction and the floor must be impermeable to prevent permeate the basement and spill to outside. Lock up the container.
- Dangerous goods if mixed: Refer to the section 10.
- Container material: Use the container regulated by fire law and UN transportation law. See Section: 1.2
- 7.3 Specific end use(s)**

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters Occupational Exposure Limits

Name	ACGIH (TLV)
Titanium dioxide	10mg/m ³
Carbon Black	3mg/m ³
Aluminum flake	No data
Isopropyl alcohol	400ppm
Ethylene glycol	MAX 100mg/m ³ (aerosol)

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Propylene glycol mono methyl ether	100ppm
Phosphoric acid	1mg/m ³
Ammonium Hydroxide	No data
Water-soluble Resin	No data
Water	No data
1,2-benzisothiazol-3(2H)-one	-
2-octyl-2H-isothiazol-3-one	-

8.1.2 **Biological limit value** No data 8.1.3 **PNECs and DNELs** No data

8.2 Exposure controls

8.2.1

Appropriate engineering controls Install the eye washing devices and safety shower where handle or stock this product.8.2.2 **Individual protection measures, such as personal protective equipment (PPE)** Wear proper respiratory protect equipment such as gas mask for organic gas (if high concentration, wear air-supplied respirator).Eye/face protection
Skin protection

Check the protect equipment regularly with check sheet.

Wear the eye protector designated by manufacturer.

Wear the gloves designated by manufacturer.

Wear protect boots, oil resistant apron (impermeable and antistatic) and protect clothes (antistatic) designated by manufacturer.

Clean hands well after use this product.

8.2.3 Environmental Exposure Controls

No data

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance	liquid
Odour	Odourless
Odour Threshold	No data
pH	No data
Melting Point/Freezing Point	No data
Initial boiling point and boiling range	No data
Flash Point	No data
Evaporation Rate	No data
Flammability (solid, gas)	No data
Upper/lower flammability or explosive limits	No data
Vapour pressure	No data
Vapour density	No data
Relative density	No data
Solubility(ies)	No data
Partition coefficient: n-octanol/water	No data
Auto-ignition temperature	No data
Decomposition Temperature	No data
Viscosity	No data
Explosive properties	No data
Oxidising properties	No data

9.2 Other information

Specific gravity (20°C) No data

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity	No data
10.2 Chemical stability	Under usually storage condition, it is stable.
10.3 Possibility of hazardous reactions	No data
10.4 Conditions to avoid	No data
10.5 Incompatible materials	No data
10.6 Hazardous decomposition product(s)	Generates harmful gas such as carbon monoxide and carbon dioxide.

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SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects (Substances in preparations / mixtures)

Acute toxicity	Not
Ingestion	Classified.
Inhalation	Not
Skin Contact	Classified.
Skin corrosion/irritation	Not
Serious eye damage/irritation	Classified.
Respiratory or skin sensitization	Not Classified.
Germ cell mutagenicity	Skin Irrit. 2 (Ammonium Hydroxide < 5.0%, ≥1.0%) Not Classified.
Carcinogenicity	Not Classified.
Reproductive toxicity	Not Classified.
STOT - single exposure	Not Classified.
STOT - repeated exposure	Not Classified.
Aspiration hazard	Not Classified.
Other information	Not Classified.

11.2

Name	IARC	OTHER
Titanium dioxide	2B	LD50(oral, rat) > 10000mg/kg
Carbon Black	2B	LD50(oral, rat) =15400mg/kg
Aluminum flake	No data	No data
Isopropyl alcohol	No data	LD50 (rat oral) = 3437mg/kg
Ethylene glycol	No data	LD50(oral, rat) = 4700mg/kg
Propylene glycol mono methyl ether	No data	LD50(rat oral) = 5000mg/kg
Phosphoric acid	No data	LD50(oral, rat) = 1530mg/kg
Ammonium Hydroxide	No data	LD50(oral, rat) = 350mg/kg
Water-soluble Resin	No data	No data
Water	No data	No data
1,2-benzisothiazol-3(2H)-one	-	LD50(oral, rat) 900 - 1200mg/kg
2-octyl-2H-isothiazol-3-one	-	LD50(oral, rat) 355 - 794mg/kg

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity	No data
12.2 Persistence and degradability	No data
12.3 Bioaccumulative potential	No data
12.4 Mobility in soil	No data
12.5 Results of PBT and VPVB assessment	No data
12.6 Other adverse effects	None known.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods	Residue Waste: For dispose, follow the related regulation and standard of local governments. Ask the licensed industrial waste disposal company or local governments. For Burning: Spray the incinerator with waste liquid directly or mix with flammable solvent in small quantity to burn. Activated sludge process.
13.2 Additional Information	Polluted container and package: Clean the container and recycle or treat it in accordance with the related regulation or local governments. If dispose the container, remove the content completely.

SECTION 14: TRANSPORT INFORMATION

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	ADR/RID	IMDG	IATA/ICAO
14.1	Not applicable.	Not applicable.	Not applicable.
14.2 UN number	Not applicable.	Not applicable.	Not applicable.
14.3 UN proper shipping name	Not applicable.	Not applicable.	Not applicable.
14.4 Transport hazard	Not applicable.	Not applicable.	Not applicable.
14.5 class(es) Packing	See Section: 2	Not applicable.	Not applicable.
14.6 group	Not applicable.	Not applicable.	Not applicable.
14.7 Environmental hazards			Not applicable.
Special precautions for user			Not applicable.
Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code			Not applicable.
14.8 Additional Information			Common: Please follow the section7. Check if there are no leakage from container and take cargo without falling, dropping and damage. Land Transportation: In case of fall under the Fire Law, Industrial Safety and Health Law, Poisonous Material Control Law follow each relevant mode of transportation. Marine Transportation: Please follow the Law for Safety of Vessel. Air Transportation: Please follow the Aviation Law and regulation of ICAO.

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SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture	region should be examined by you'd to this substance in your country responsibility or
15.1.1 EU regulations	
Authorisations and/or Restrictions On Use	Not applicable.
CoRAP Substance Evaluation	Not applicable.
15.1.2 National regulations	
Japan	Outline of Hazardous Material Reg Japan. Industrial Safety and Health Law: Notice object goods (Article 57, section 2, Enforcement regulation 18-21, appendix 9.) Fire Law: N/A Law for Safety of Vessel: N/A Aviation Law: N/A Not applicable.
15.2 Chemical Safety Assessment	

SECTION 16: OTHER INFORMATION

The following sections contain revisions or new statements: 1-16.

References:

- Raw material manufacturer SDS
- Table 3.1 of Annex VI to the CLP Regulation

LEGEND

TLV	Threshold Limit Value
DNEL	Derived No Effect Level
PNEC	PNEC Predicted No Effect Concentration
PBT	Persistent, Bioaccumulative and Toxic
vPvB	very Persistent and very Bio-accumulative
Flam. Liq. 2	Flammable Liquid Category 2
Flam. Liq. 3	Flammable Liquid Category 3
Pyr. Sol. 1	Pyrophoric Solids Category 1
Water-react. 2	Substances and Mixtures which, in contact with Water, emit Flammable Gases Category
Acute Tox.4	2 Acute Toxicity - Oral Category 4
Skin Corr.1B	Skin Corrosion / Skin Irritation Category 1B
Eye Dam.1	Eye Damage / Eye Irritation Category 1
STOT SE 3	Specific Target Organ systemic Toxicity (Single Exposure) Category 3
Aquatic Acute 1	Hazardous to the Aquatic Environment - Acute Hazard 1
H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour
H250	Catches fire spontaneously if exposed to air
H261	In contact with water releases flammable gas
H302	Harmful if swallowed
H314	Causes severe skin burns and eye damage
H319	Causes serious eye irritation
H336	May cause drowsiness or dizziness
H400	Very toxic to aquatic life

Training advice: Consideration should be given to the work procedures involved and the potential extent of exposure as they may determine whether a higher level of protection is required.

Disclaimers

The description content of this data sheet is based on the documentation, information and data that we can garner at the present moment so that it might be change depend on new information. And it is recommend for usual handling so that in case of special handling, use it before take safety measure that suitable for your application and usage.

The description content is information service and not certification.

Annex to the extended Safety Data Sheet (eSDS)

Not available.