

SAFETY DATA SHEET(As ink)

MTN MARCADOR Acrylic SDS 1/7


Date: 09/08/2023

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 MTN MARCADOR Acrylic 30mm / PMA-130/SP MTN MARCADOR Acrylic 50mm / PMA-150/SP MTN MARCADOR Chalk 2mm / PMA-330/SP
	CAS No.	Mixture.
	EINECS No.	Mixture.
1.2	Relevant identified uses of the substance or mixture and uses advised against	
	Identified Use(s)	Drawing
	Uses Advised Against	None known.
1.3	Details of the supplier of the safety data sheet	
	Company Identification	KURETAKE CO., LTD. 576 Minamikyobate-cho, 7-chome, Nara-shi, 630-8670, Japan
	Telephone	+81- 742-50-2055
	Fax	+81- 742-50-2077
	E-Mail (competent person)	kuretake@kuretake.co.jp (Technician of Lab.)
1.4	Emergency telephone number	+81-742-50-2055 [9:00 – 17:00 JST (GMT+9)].
	Languages spoken	Japanese

SECTION 2: HAZARDS IDENTIFICATION

2.1	Classification of the substance or mixture	
2.1.1	Regulation (EC) No. 1272/2008 (CLP)	Skin Sens. 1A
2.2	Label elements	
	Product Name	MTN MARCADOR Acrylic, MTN MARCADOR Chalk
	Hazard Pictogram(s)	
		
	Signal Word(s)	Warning
	Hazard Statement(s)	Skin Sens. 1A
	Precautionary Statement(s)	H317 May cause an allergic skin reaction P261 Avoid breathing dust/fume/gas/mist/vapours/spray. P272 Contaminated work clothing should not be allowed out of the workplace. P280 Wear protective gloves/protective clothing/eye protection/face protection. P302+P352 IF ON SKIN: Wash with plenty of soap and water. P333+P313 If skin irritation or rash occurs : Get medical advice/attention. P321 Specific treatment P363 Wash contaminated clothing before reuse. P501 Dispose of contents/container to... Hazard-determining components of labelling: 1,2-benzisothiazol-3(2H)-one, 2-octyl-2H-isothiazol-3-one
2.3	Other hazards	EUH211 Warning! Dangerous droplets may be formed when sprayed. See information supplied by the manufacturer. Comply with the safety instructions.

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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	<26.2	13463-67-7	236-675-5	None assigned.	Not classified
1,2-benzisothiazol-3(2H)-one	< 0.05	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	< 0.006	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.1A: H317 Aquatic Acute 1: H400 Aquatic Chronic 1: H410
2-butoxyethanol; ethylene glycol monobutyl ether	<0.38	111-76-2	203-905-0	None assigned.	Acute Tox. 3: H331 Acute Tox. 4: H302 Skin Irrit.: H315 Eye Irrit.:H319
Ethanol; Ethyl alcohol	<1.8	64-17-5	200-578-6	None assigned.	Flam.Liq.2: H225
Propan-2-ol; isopropyl alcohol; isopropanol	<0.3	67-63-0	200-661-7	None assigned.	Flam. Liq. 2: H225 STOT SE 3: H336 Eye Irrit.2: H319
Ammonia, anhydrous	<0.25	7664-41-7	231-635-3	None assigned.	Flam. Gas 2: H221 Press. Gas Acute Tox. 3 *: H331 Skin Corr. 1B: H314 Aquatic Acute 1H400
Ethanediol; ethylene glycol	<0.75	107-21-1	203-473-3	None assigned.	Acute Tox.4: H302
Methanol	<0.12	67-56-1	200-659-6	None assigned.	Flam. Liq. 2: H225 Acute Tox. 3 *: H331 Acute Tox. 3 *: H311 Acute Tox. 3 *: H301 STOT SE 1: H370
1-methoxy-2-propanol; monopropylene glycol methyl ether	<2.4	107-98-2	203-539-1	None assigned.	Flam. Liq. 3: H226 STOT SE 3: H336
Aluminium powder (pyrophoric)	<3.9	7429-90-5	231-072-3	None assigned.	Pyr. Sol. 1: H250 Water-react. 2: H261
Kerosine (petroleum), hydrodesulfurized; Kerosine - unspecified	<0.13	64742-81-0	265-184-9	None assigned.	Asp. Tox. 1: H304

3.3 Additional Information

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

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ACCORDING TO EC-REGULATIONS 1907/2006 (REACH), 1272/2008
(CLP) & 453/2010**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. Sialorrhea, face flash, cough, dizzy, lethargy, headache, sore throat, deliquim 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**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.

6.2 Environmental precautions

Ventilate before enter the sealed area.

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.

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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 section10.

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 fire-proof 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.

7.3 Specific end use(s)

See Section: 1.2

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Occupational Exposure Limits

Name	ACGIH (TLV)
2-butoxyethanol; ethylene glycol monobutyl ether	—
Propan-2-ol; isopropyl alcohol; isopropanol	400ppm
Butanone; Ethyl methyl ketone	300ppm
Methanol	250ppm
Methel acetate	250ppm

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).

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.

Eye/face protection

Skin protection

8.2.3 Environmental Exposure Controls

No data

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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance	Solid
Odour	Odourless
Odour Threshold	No data
pH	7.0 - 9.0
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	25 - 70 mPa·s
Explosive properties	No data
Oxidising properties	No data

9.2 Other information

Specific gravity (20°C)	No data
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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.

SECTION 11: TOXICOLOGICAL INFORMATION

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

Acute toxicity	Not Classified.
Ingestion	Not Classified.
Inhalation	Not Classified.
Skin Contact	Not Classified.
Skin corrosion/irritation	Not Classified.
Serious eye damage/irritation	Not Classified.
Respiratory or skin sensitization	Contains 1,2-benzisothiazol-3(2H)-one, 2-octyl-2H-isothiazol-3-one
Germ cell mutagenicity	Not Classified.
Carcinogenicity	Not Classified.
Reproductive toxicity	Not Classified.
STOT - single exposure	Not Classified.
STOT - repeated exposure	Not Classified.
Aspiration hazard	Not Classified.

11.2 Other information

Name	IARC	OTHER
Titanium dioxide	2B	-
1,2-benzisothiazol-3(2H)-one	-	LD50(oral, rat) 900 - 1200mg/kg
2-octyl-2H-isothiazol-3-one	-	LD50(oral, rat) 355 - 794mg/kg
Ethylene glycol monobutyl ether	-	LD50(oral, rat) 470 - 3000mg/kg
Ammonia	-	No data
Ethanediol	-	LD50(oral, rat) 4000 - 10200mg/kg
Methanol	-	LD50(oral, rat) 6200 - 9100 mg/kg

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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

14.1	UN number	Not applicable.
14.2	UN proper shipping name	Not applicable.
14.3	Transport hazard class(es)	Not applicable.
14.4	Packing group	Not applicable.
14.5	Environmental hazards	Not applicable.
14.6	Special precautions for user	See Section: 2
14.7	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.

SECTION 15: REGULATORY INFORMATION

15.1	Safety, health and environmental regulations/legislation specific for the substance or mixture	Regulatory information with regard to this substance in your country or region should be examined by your own responsibility
15.1.1	EU regulations	
	Candidate List of substances of very high concern for Authorisation	Not applicable.
	Authorisations and/or Restrictions On Use	Not applicable.
	CoRAP Substance Evaluation	Not applicable.
15.1.2	National regulations	Outline of Hazardous Material Regulation in Japan.
	Japan	Industrial Safety and Health Law: Notice object goods (Article 57, section 2, Enforcement regulation 18-21, appendix 9.) (Iron oxide) Fire Law: N/A Law for Safety of Vessel: N/A Aviation Law: N/A
15.2	Chemical Safety Assessment	Not applicable.

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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

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

Acute Tox.2

Acute Toxicity - Oral Category 2

Acute Tox.3

Acute Toxicity - Oral Category 3

Acute Tox.4

Acute Toxicity - Oral Category 4

Skin Irrit.2

Skin Corrosion / Skin Irritation Category 2

Skin Corr.1B

Skin Corrosion / Skin Irritation Category 1B

Skin Sens.1

Sensitization - Skin Category 1

Eye Dam.1

Eye Damage / Eye Irritation Category 1

Eye Irrit.2

Eye Damage / Eye Irritation Category 2

Aquatic Acute 1

Hazardous to the Aquatic Environment - Acute Hazard 1

Aquatic Chronic 1

Hazardous to the Aquatic Environment - Chronic Hazard 1

STOT SE 1

Specific Target Organ systemic Toxicity (Single Exposure) Category 1

STOT SE 3

Specific Target Organ systemic Toxicity (Single Exposure) Category 3

Pyr. Sol. 1

Pyrophoric Solids Category 1

Water-react. 2

Substances and Mixtures which, in contact with Water, emit Flammable Gases Category 2

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.