

MAX™ Temporary Line Marker Spray Paint - Orange

According to REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758 and SI 2020/1577

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier

Product Name MAX™ Temporary Line Marker Spray Paint - Orange

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

Identified Use(s) Spray paint aerosol

Uses Advised Against Not known.

1.3 Details of the supplier of the safety data sheet

Supplier

Company Identification

Address of Supplier

CMT Group

Riverbridge House

Anchor Boulevard

Dartford DA2 6SL Kent, United Kingdom

Postal code

Telephone:

E-mail

Website

0208311 1144

sales@cmt.co.uk

https://www.cmt.co.uk/

1.4 Emergency telephone number

National response centre

Address

Emergency Phone No.

NHS Direct

+44 111

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

GB CLP Regulation, UK SI 2019/720 and UK SI 2020/1567 Aerosol 1: Extremely flammable aerosol. Pressurised container: May burst if heated.

2.2 Label elements

Product Name

According to GB CLP Regulations, UK SI 2019/720 and UK SI 2020/1567

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Hazard Pictogram(s)



GHS02

Signal Word(s)

Danger

Hazard Statement(s)

H222: Extremely flammable aerosol.

H229: Pressurised container: May burst if heated.

EUH211: Warning! Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist.

Precautionary Statement(s)

P102: Keep out of reach of children.

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

P211: Do not spray on an open flame or other ignition source.

P251: Pressurised container - Do not pierce or burn, even after use.

P410+P412: Protect from sunlight. Do not expose to temperatures exceeding 50°C/ 122°F.

P501: Dispose of contents in accordance with local, state or national legislation.

2.3 Other hazards

Product has an anesthetic effect.

In extensive use, formation of flammable/explosive vapour-air mixture is possible.

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH.

2.4 Additional Information

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

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

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3.2 Mixtures

HAZARDOUS INGREDIENT(S)	CAS No.	EC No. / Registration number(s)	%W/W	Hazard Statement(s)	Hazard Pictogram(s)
ethanol ethyl alcohol	64-17-5	200-578-6 01-2119457610-43-XXXX	20-25	Flam. Liq. 2 H225 Eye Irrit. 2 H319	GHS02 GHS07
propane	74-98-6	200-827-9 01-2119486944-21-XXXX	10-15	Flam. Gas 1A H220	GHS02
butane	106-97-8	203-448-7 01-2119474691-32-XXXX	10-15	Flam. Gas 1A H220	GHS02
titanium dioxide	13463-67-7	236-675-5 01-2119489379-17-XXXX	0-15	EUH211	None
orange pigment	72102-84-2	276-344-2 01-2120085626-47-XXXX	7-10	Not classified	None

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

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures

Inhalation	Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Loosen tight clothing such as collar, tie or belt. Get medical attention if any discomfort continues.
Skin Contact	Remove contaminated clothing and rinse skin thoroughly with water. Get medical attention if any discomfort continues.
Eye Contact	Remove any contact lenses and open eyelids wide apart. Wash with plenty of water. Continue to rinse for at least 10 minutes. Get medical attention if any discomfort continues.
Ingestion	Rinse mouth thoroughly with water. Do not induce vomiting unless under the direction of medical personnel. Get medical attention if any discomfort continues.

4.2 Most important symptoms and effects, both acute and delayed

The symptoms will vary depending on the concentration and the length of exposure.
 Inhalation: vapours/aerosol spray may irritate the respiratory system. Vapours may cause headache, fatigue, dizziness and nausea.
 Ingestion: May cause discomfort if swallowed.
 Skin contact: prolonged skin contact may cause redness and irritation.
 Eye contact: vapour or spray in the eyes may cause irritation and smarting.

4.3 Indication of any immediate medical attention and special treatment needed

Unlikely to be required but if necessary treat symptomatically.

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media

Suitable Extinguishing media	As appropriate for surrounding fire. Extinguish with alcohol-resistant foam, carbon dioxide or dry powder.
Unsuitable extinguishing media	Do not use water jet.

5.2 Special hazards arising from the substance or mixture

Extremely flammable aerosol. Heating of containers may cause pressure rise, with risk of bursting. In use, may form flammable/explosive vapour-air mixture.

5.3 Advice for firefighters

As appropriate for surrounding fire.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation. Use non-sparking ventilation systems, approved explosion-proof equipment, and intrinsically safe electrical systems. Wear suitable protective clothing in accordance with section 8.

6.2 Environmental precautions

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Do not allow to enter drains, sewers or watercourses.

6.3 Methods and material for containment and cleaning up

Adsorb spillages onto sand, earth or any suitable adsorbent material. Transfer to a lidded container for disposal or recovery.

6.4 Reference to other sections

See Also Section 8, 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not spray on an open flame or other ignition source. Pressurised container - Do not pierce or burn, even after use.

7.2 Conditions for safe storage, including any incompatibilities

Protect from sunlight. Keep in closed original container.

Storage temperature

Do not expose to temperatures exceeding 50°C/ 122°F.

Storage life

Stable under normal conditions.

Incompatible materials

None known.

7.3 Specific end use(s)

Not known.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

8.1.1 Occupational Exposure Limits

Occupational Exposure Limits						
SUBSTANCE.	CAS No.	LTEL (8 hr TWA ppm)	LTEL (8 hr TWA mg/m³)	STEL (ppm)	STEL (mg/m³)	Note
Ethanol	64-17-5	1000	1920	-	-	-
Butane	106-97-8	600	1450	750	1810	(b)
Titanium dioxide total inhalable	13463-67-7	-	10	-	-	-
Titanium dioxide respirable	13463-67-7	-	4	-	-	-

Region
United Kingdom

Source
UK Workplace Exposure Limits EH40/2005 (Fourth edition, published 2020)

Remark
(b)

Notes
Carc. (only applies if Butane contains more than 0.1% of buta-1,3-diene)

DNEL





Ethanol (CAS 64-17-5)				
Workers				
Exposure route	Local acute effects	Acute systemic effects	Local chronic effects	Chronic systemic effects
Oral route	Not relevant	Not relevant	Not relevant	Not relevant
Inhalation route	Not relevant	Not relevant	Not relevant	950 mg/m³
Cutaneous route	Not relevant	Not relevant	Not relevant	343 mg/kg bw/d
Consumers				
Exposure route	Local acute effects	Acute systemic effects	Local chronic effects	Chronic systemic effects
Oral route	Not relevant	Not relevant	Not relevant	87 mg/kg bw/d
Inhalation route	Not relevant	Not relevant	Not relevant	114 mg/m³
Cutaneous route	Not relevant	Not relevant	Not relevant	206 mg/kg bw/d

PNEC

Ethanol (CAS 64-17-5)			
Environmental protection objective	PNEC	Environmental protection objective	PNEC
Fresh water	0.96 mg/l	Intermittent releases	2.75 mg/l
Freshwater sediment	3.6 mg/kg dw	Microrganisms in sewage treatment plant	580 mg/l
Marine water	0.79 mg/l	Soil (agriculture)	0.63 mg/kg dw
Marine sediments	2.9 mg/kg dw	Air	Not relevant

8.2 Exposure controls

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8.2.1. Appropriate engineering controls	Use non-sparking ventilation systems, approved explosion-proof equipment, and intrinsically safe electrical systems. Ensure adequate ventilation.
8.2.2. Personal protection equipment	
 Eye Protection	Wear eye protection with side protection (EN166).
 Skin protection	Not normally required. If there is a risk of direct contact, wear chemical-resistant gloves (EN 374). Recommended gloves: butyl rubber.
 Respiratory protection	Normally no personal respiratory protection is necessary. In case of insufficient ventilation, wear suitable respiratory equipment. Air purifying respirator equipped with organic gas/vapour cartridge (type AX).
 Thermal hazards	None known.
8.2.3. Environmental Exposure Controls	Do not allow to enter drains, sewers or watercourses.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance	Aerosol
Colour	Orange.
Odour	Not known.
Odour threshold	Not known.
pH	Not known.
Melting point/freezing point	Not known.
Initial boiling point and boiling range	Not applicable.
Flash Point	Not applicable.
Evaporation rate	Not known.
Flammability (solid, gas)	Not known.
Upper/lower flammability or explosive limits	Not known.
Vapour pressure	Not known.
Vapour density	Not known.
Density (g/ml)	Not known.
Relative density	Not known.
Solubility(ies)	Solubility (Water) : Not known. Solubility (Other) : Not known.
Partition coefficient: n-octanol/water	Not known.
Auto-ignition temperature	Not known.
Decomposition Temperature (°C)	Not known.
Viscosity	Not known.
Explosive properties	Not considered to be explosive.
Oxidising properties	Does not meet the criteria for classification as oxidising.

9.2 Other information

None.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity

None anticipated.

10.2 Chemical Stability

Stable under normal conditions.

10.3 Possibility of hazardous reactions

In use may form flammable/explosive vapour-air mixture.

10.4 Conditions to avoid

Keep away from heat and direct sunlight. Do not expose to temperatures exceeding

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50°C/ 122°F.

10.5 Incompatible materials

Keep away from oxidising materials, heat and flames.

10.6 Hazardous decomposition products

No hazardous decomposition products known. Thermal decomposition or combustion products may include the following substances: harmful gases or vapours.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity - Ingestion	Calculation method : Not classified.
Acute toxicity - Skin Contact	Calculation method : Not classified.
Acute toxicity - Inhalation	Calculation method : Not classified.
Skin corrosion/irritation	Calculation method : Not classified.
Serious eye damage/irritation	Calculation method : Not classified.
Skin sensitization data	Calculation method : Not classified.
Respiratory sensitization data	Calculation method : Not classified.
Germ cell mutagenicity	Calculation method : Not classified.
Carcinogenicity	Calculation method : Not classified.
Reproductive toxicity	Calculation method : Not classified.
Lactation	Calculation method : Not classified.
STOT - single exposure	Calculation method : Not classified.
STOT - repeated exposure	Calculation method : Not classified.
Aspiration hazard	Calculation method : Not classified.

11.2 Other information

Not known.

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity

Toxicity - Aquatic invertebrates	Low toxicity to invertebrates.
Toxicity - Fish	Low toxicity to fish.
Toxicity - Algae	Low toxicity to algae.
Toxicity - Sediment Compartment	Not classified.
Toxicity - Terrestrial Compartment	Not classified.

12.2 Persistence and degradability

Not known.

12.3 Bioaccumulative potential

Not known.

12.4 Mobility in soil

Not known.

12.5 Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH.

12.6 Other adverse effects

Not known.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Dispose at suitable refuse site.
Waste code number: 08 01 11 - waste paint and varnish containing organic solvents or other dangerous substances.

13.2 Additional Information

Disposal should be in accordance with local, state or national legislation.

SECTION 14: TRANSPORT INFORMATION

14.1 UN number

UN No. 1950

14.2 UN proper shipping name

UN proper shipping name AEROSOLS

14.3 Transport hazard class(es)

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ADR/RID	
ADR/RID Class	2
ADR Classification Code	5F
Special Provisions	190, 327, 344, 625
Limited Quantities	1 L
Excepted Quantities	E0
Emergency Action Code	
Mixed Packing Instructions for Packages	P207 LP200
Special Packing Provisions for Packages	PP87 RR6 L2
Mixed Packing Instructions for Packages	MP9
Packing Instructions for Portable Tanks	
Special Provisions for Portable Tanks	
Tank Code for Tanks	
Special Provisions for Tanks	
Vehicle for Tank Carriage	
ADR Transport Category	2
Tunnel Restriction Code	D
Special Provisions for Carriage - Packages	V14
Special Provisions for Carriage - Bulk	
Special Provisions for Carriage - Loading, CV9 CV12	
Unloading and Handling	
Special Provisions for Carriage - Operation	S2
ADR HIN	
IMDG	
IMDG Class	2
Special Provisions	190, 327, 344, 625
Limited Quantities	1 L
Excepted Quantities	E0
Mixed Packing Instructions for Packages	P207 LP200
Special Packing Provisions for Packages	PP87 RR6 L2
Packing Instructions for Portable Tanks	
Special Provisions for Portable Tanks	
IMDG EMS	F-D, S-U
Stowage and Handling	SW1 SW22
Segregation	SG69
Marine Pollutant	
ICAO/IATA	
IATA Proper Shipping Name	AEROSOLS
Excepted Quantities	E0
Passenger and Cargo Aircraft Limited Quantities Packing Instructions	Y203
Passenger and Cargo Aircraft Limited Quantities Max net Qty	30Kg
Passenger and Cargo Aircraft Packing Instructions	203
Passenger and Cargo Aircraft Max net Qty	75Kg
Cargo Aircraft Packing Instructions	203
Cargo Aircraft Max net Qty	150Kg
Special Provisions	A145, A167, A802
Emergency Response Guidebook (ERG) Code	10L
Labels	
Labels	2.1



14.4 Packing group

Packing group

14.5 Environmental hazards

Environmental hazards

Not classified as a Marine Pollutant.

14.6 Special precautions for user

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Special precautions for user Not known.
14.7 Transport in bulk according to Annex II of Marpol and the IBC Code
 No information available

SECTION 15: REGULATORY INFORMATION

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

United Kingdom Regulations - Authorisations and/or Restrictions On Use

UK REACH Candidate List of Substances Not listed
 of Very High Concern for Authorisation

UK REACH Authorisation List (Annex XIV) list of substances subject to authorisation Not listed

UK REACH Restrictions List (Annex XVII) Not listed

Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles

UK REACH Rolling Action Plan (RAP) Not listed

The Persistent Organic Pollutants Regulations 2007 (SI 2007/3106) as amended Not listed

The Ozone-Depleting Substances and Fluorinated Greenhouse Gases (Amendment etc.) (EU Exit) Regulations 2019 (SI 2019/583)

The Prior Informed Consent (PIC) Regulations concerning the export and import of hazardous chemicals Not listed

SI2008/2108 as amended

European Regulations - Authorisations and/or Restrictions On Use
 Community Rolling Action Plan (CoRAP) titanium dioxide (13463-67-7)

15.2 Chemical Safety Assessment

United Kingdom A REACH chemical safety assessment has not been carried out.

SECTION 16: OTHER INFORMATION

The following sections contain revisions or new statements:

LEGEND

Hazard Pictogram(s)



GHS02

GHS07: GHS: Exclamation mark

Hazard classification

Flam. Gas 1A : Flammable gas Category 1A
 Aerosol 1 : Aerosol, Category 1
 Flam. Liq. 2 : Flammable liquid, Category 2
 Eye Irrit. 2 : Serious eye damage/irritation, Category 2

Hazard Statement(s)

H220: Extremely flammable gas.
 H222: Extremely flammable aerosol.
 H225: Highly flammable liquid and vapour.
 H229: Pressurised container: May burst if heated.
 H319: Causes serious eye irritation.
 EUH211: Warning! Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist.

Precautionary Statement(s)

P102: Keep out of reach of children.
 P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition

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Acronyms

sources. No smoking.
P211: Do not spray on an open flame or other ignition source.
P251: Do not pierce or burn, even after use.
P410+P412: Protect from sunlight. Do not expose to temperatures exceeding 50°C/ 122°F.
P501: Dispose of contents in accordance with local, state or national legislation.
ADN : European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR : European Agreement concerning the International Carriage of Dangerous Goods by Road
ATE : Acute Toxicity Estimate
CAS : Chemical Abstracts Service
DNEL : Derived No Effect Level
EC : European Community
EINECS : European Inventory of Existing Commercial Chemical Substances
IATA : International Air Transport Association
IBC : Intermediate Bulk Container
ICAO : International Civil Aviation Organization
IMDG : International Maritime Dangerous Goods
LTEL : Long term exposure limit
PBT : Persistent, Bioaccumulative and Toxic
PNEC : Predicted No Effect Concentration
REACH : Registration, Evaluation, Authorisation and Restriction of Chemicals
RID : Regulations concerning the International Carriage of Dangerous Goods by Rail
STEL : Short term exposure limit
STOT : Specific Target Organ Toxicity
UN : United Nations
vPvB : very Persistent and very Bioaccumulative

Key literature references and sources for GB CLP Regulation, UK SI 2019/720 and UK SI 2020/1567
data used to compile the SDS
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