

CHLORINATED RUBBER

GLOSS CG23



A high performance single pack chlorinated rubber gloss finish with excellent chemical & water resistance

Recommended Areas of Use

For use on concrete, porous mineral and suitably prepared ferrous and non-ferrous surfaces requiring a quick drying coating with excellent water and good chemical resistance.

Certificates & Approvals

Manufactured under the auspices of an ISO 9001:2008 quality & ISO 14001:2004 environmental management systems.

Properties

Gloss	Gloss (>85 %)	Surface dry	30 minutes
Theoretical Coverage	12m ² /L/coat	Minimum over coating time	12 hours minimum
Recommended number of coats	2 full coats (on bare absorbent surfaces, apply a 15 - 20% thinned priming coat first).	Maximum over coating time	Unlimited
Density	1.29 kg/L	Minimum application conditions	Down to 0°C (but must be 3°C above dew point)
Volume solids	45%	Full cure	6 days
Flash point (Abel closed cup)	38°C	Shelf life	12 months minimum in original unopened containers
VOC	548g/L	Colour range	RAL, British Standard
Thinner / Cleaning	Bradite Thinner TC32		
Recommended wet film thickness	84 microns/coat	Recommended dry film thickness	38 microns/coat

Suitable Surfaces

For ferrous, non-ferrous, concrete and other absorbent mineral substrates which are dry, free of contamination, dust, efflorescence laitance and have been properly prepared. Compatibility with existing coatings should be confirmed by preparing and painting a test patch. Unsuitable for epoxy tar & bitumen paints, Portland cement, marble & tiled surfaces.

Application Information

Application and use should always conform to the codes of practice described in BS 6150 and BS 5493.

Brush and Roller - Thin with 0 - 5% Bradite Thinner TC32 as required. Short pile "Mohair" sleeve preferred for best appearance.

Conventional Air Spraying - Thin with 5 - 15% Bradite Thinner TC32 as required, tip size – 2.0 mm, tip pressure 60psi (0.4MPa) approximately.

Airless Spraying - Thin with 0 - 10% Bradite Thinner TC32 as required, tip size - 13 thou (0.33mm) approximately, tip pressure - 2100 psi (15MPa) approximately.

Cleaning

Clean all equipment immediately after use with Bradite Thinner TC32 for best results.

Specification

Preparation

When painting new concrete it is vital to ensure the substrate is fully cured and free of laitance. Power floated, shiny or unpainted non porous concrete should be thoroughly vacuum blast cleaned to a roughness profile of 30-50 microns, or acid etched using Bradite TA37.

High pressure water cleaning to remove all loose and flaking paint and contamination back to a sound substrate. For best performance, complete vacuum blast cleaning of the substrate is recommended. Bradite TD39 industrial strength detergent washing and rinsing should be used with scrubbing to remove grease or oil.

Intact areas of existing coatings should be roughened by abrasive manual or disc rubbing and feathered back to a sound coating edge. Cracks and pits should be filled using a suitable screed or mortar before painting.

Galvanised steel, aluminium and other non-ferrous metal substrates should be roughened by mechanical abrading or sweep blasting with inert grit. Steel should be blast cleaned to SIS-Sa 2½ minimum, blast profile 35-50 microns and surface free of soluble salts, or de-rusted manually or mechanically to SIS-St 3 minimum.

Painting System – Concrete Swimming Pools

For application on concrete or other absorbent substrates, the first coat should be thinned 15-20% with Bradite Thinner TC32 to allow penetration into the substrate.

1st coat	Chlorinated Rubber Gloss CG23 (thinned) if required.
2nd coat	Chlorinated Rubber Gloss CG23

For maintenance painting the 1st coat will be a touch up to bare areas.

Please note that drying/curing times will vary depending on film thickness, temperature and relative humidity.

Notes

For well-constructed pools, particularly those with an external waterproof membrane, best results are obtained with Bradite Chlorinated Rubber Gloss CG23. Where the site has a high water table and the pool is constructed without waterproof barrier, the higher porosity Bradite Chlorinated Rubber Eggshell CC24 is preferred since this material will minimise blistering due to external water pressure when the pool is empty.

Painted pool should be left to thoroughly dry before filling. In temperate climates, assuming good ventilation and air movement, this will take approximately 10 days from final coat application.

Painting System – Industrial New Build & Maintenance

1st coat	Bradite Chlorinated Rubber Eggshell CC24
2nd coat	Bradite Chlorinated Rubber Eggshell CC24
3rd coat	Bradite Chlorinated Rubber Gloss CG23

Notes

For maintenance, the first coat will be spot priming exposed substrate only.

Summary Safety Information

Always refer to the Health and Safety sheet for the product before use, and observe the warning phrases on the label.

Disclaimer - The information on this data sheet is correct to the best of our knowledge and experience. Bradite reserves the right to modify data contained herein, without notice. The information supplied does not absolve users from responsibility to carry out their own tests and experiments, nor does it imply any legally binding assurance of certain properties or suitability for any specific purpose. Conditions of service and application may be beyond our control, so no liability whatsoever can be accepted on the basis of the information supplied herein.

Section 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name: CHLORINATED RUBBER FULL GLOSS FINISH

Product code: CG23

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

Use of substance / mixture: PC9a: Coatings and paints, thinners, paint removers.

1.3. Details of the supplier of the safety data sheet

Company name: Bradite Paints
Ogwen Valley Works
Bethesda
Gwynedd
LL57 4YP
United Kingdom

Tel: +44 (0)1248 600315

Fax: +44 (0)1248 602782

Email: sales@bradite.com

1.4. Emergency telephone number

Emergency tel: +44 (0)1248 600315
(office hours only)

Section 2: Hazards identification

2.1. Classification of the substance or mixture

Classification under CLP: Asp. Tox. 1: H304; Aquatic Chronic 2: H411; Eye Irrit. 2: H319; Flam. Liq. 3: H226; Skin Irrit. 2: H315; STOT SE 3: H335

Most important adverse effects: Flammable liquid and vapour. May be fatal if swallowed and enters airways. Causes skin irritation. Causes serious eye irritation. May cause respiratory irritation. Toxic to aquatic life with long lasting effects.

2.2. Label elements

Label elements:

Hazard statements: H226: Flammable liquid and vapour.
H304: May be fatal if swallowed and enters airways.
H315: Causes skin irritation.
H319: Causes serious eye irritation.
H335: May cause respiratory irritation.
H411: Toxic to aquatic life with long lasting effects.

SAFETY DATA SHEET
CHLORINATED RUBBER FULL GLOSS FINISH

Page: 2

Signal words: Danger

Hazard pictograms: GHS02: Flame
GHS07: Exclamation mark
GHS08: Health hazard
GHS09: Environmental



Precautionary statements: P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P241: Use explosion-proof electrical/ventilating/lighting/.. equipment.
P280: Wear protective gloves/protective clothing/eye protection/face protection.
P301+310: IF SWALLOWED: Immediately call a POISON CENTER/doctor/.
P302+352: IF ON SKIN: Wash with plenty of water/soap and water.
P303+361+353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.

2.3. Other hazards

PBT: This product is not identified as a PBT/vPvB substance.

Section 3: Composition/information on ingredients

3.2. Mixtures

Hazardous ingredients:

LOW BOILING POINT NAPHTHA - UNSPECIFIED - SOLVENT NAPHTHA (PETROLEUM), LIGHT AROM.

EINECS	CAS	PBT / WEL	CLP Classification	Percent
265-199-0	64742-95-6	-	Asp. Tox. 1: H304; Flam. Liq. 3: H226; STOT SE 3: H335; Aquatic Chronic 2: H411	10-30%

1,2,4-TRIMETHYLBENZENE

202-436-9	95-63-6	-	Flam. Liq. 3: H226; Acute Tox. 4: H332; Eye Irrit. 2: H319; STOT SE 3: H335; Skin Irrit. 2: H315; Aquatic Chronic 2: H411	10-30%
-----------	---------	---	---	--------

LOW BOILING POINT HYDROGEN TREATED NAPHTHA - NAPHTHA (PETROLEUM), HYDROTREATED HEAVY - REACH registered number(s): 01-2119463258-33-XXXX

265-150-3	64742-48-9	-	Asp. Tox. 1: H304; Flam. Liq. 3: H226	1-10%
-----------	------------	---	---------------------------------------	-------

[cont...]

SAFETY DATA SHEET

CHLORINATED RUBBER FULL GLOSS FINISH

Page: 3

TOLUENE - REACH registered number(s): 01-2119471310-51

203-625-9	108-88-3	-	Flam. Liq. 2: H225; Repr. 2: H361d; Asp. Tox. 1: H304; STOT RE 2: H373; Skin Irrit. 2: H315; STOT SE 3: H336	<1%
-----------	----------	---	--	-----

Section 4: First aid measures

4.1. Description of first aid measures

Skin contact: Wash immediately with plenty of soap and water. Remove all contaminated clothes and footwear immediately unless stuck to skin.

Eye contact: Bathe the eye with running water for 15 minutes. Consult a doctor.

Ingestion: Wash out mouth with water. Do not induce vomiting. Consult a doctor.

Inhalation: Remove casualty from exposure ensuring one's own safety whilst doing so. Consult a doctor.

4.2. Most important symptoms and effects, both acute and delayed

Skin contact: There may be irritation and redness at the site of contact.

Eye contact: There may be irritation and pain.

Ingestion: Nausea and stomach pain may occur.

Inhalation: There may be a feeling of tightness in the chest with shortness of breath.

Delayed / immediate effects: Immediate effects can be expected after short-term exposure.

4.3. Indication of any immediate medical attention and special treatment needed

Immediate / special treatment: Eye bathing equipment should be available on the premises.

Section 5: Fire-fighting measures

5.1. Extinguishing media

Extinguishing media: Carbon dioxide. Alcohol or polymer foam. Dry chemical powder. Do not use water.

5.2. Special hazards arising from the substance or mixture

Exposure hazards: In combustion emits toxic fumes.

5.3. Advice for fire-fighters

Advice for fire-fighters: Wear self-contained breathing apparatus.

Section 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions: Refer to section 8 of SDS for personal protection details.

6.2. Environmental precautions

Environmental precautions: Do not discharge into drains or rivers.

[cont...]

SAFETY DATA SHEET
CHLORINATED RUBBER FULL GLOSS FINISH

6.3. Methods and material for containment and cleaning up

Clean-up procedures: Absorb into dry earth or sand. Transfer to a closable, labelled salvage container for disposal by an appropriate method. Refer to section 13 of SDS for suitable method of disposal.

6.4. Reference to other sections

Reference to other sections: Refer to section 13 of SDS.

Section 7: Handling and storage

7.1. Precautions for safe handling

Handling requirements: Ensure there is sufficient ventilation of the area.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions: Store in a cool, well ventilated area. Keep away from sources of ignition.

Suitable packaging: Must only be kept in original packaging.

Storage quantity limits: 250 L

7.3. Specific end use(s)

Specific end use(s): PC9a: Coatings and paints, thinners, paint removers.

Section 8: Exposure controls/personal protection

8.1. Control parameters

Hazardous ingredients:

1,2,4-TRIMETHYLBENZENE

Workplace exposure limits:

Respirable dust

State	8 hour TWA	15 min. STEL	8 hour TWA	15 min. STEL
UK	125 mg/m ³	-	-	-

LOW BOILING POINT HYDROGEN TREATED NAPHTHA - NAPHTHA (PETROLEUM), HYDROTREATED HEAVY

UK	150 ppm	-	-	-
----	---------	---	---	---

TOLUENE

UK	191 mg/m ³	384 mg/m ³	-	-
----	-----------------------	-----------------------	---	---

DNEL/PNEC Values

DNEL / PNEC No data available.

8.2. Exposure controls

Engineering measures: Ensure there is sufficient ventilation of the area.

Respiratory protection: Gas/vapour filter, type A: organic vapours (EN141).

Hand protection: Gloves (solvent-resistant).

Eye protection: Tightly fitting safety goggles.

SAFETY DATA SHEET
CHLORINATED RUBBER FULL GLOSS FINISH

Page: 5

Skin protection: Protective clothing with elasticated cuffs and closed neck.

Environmental: Prevent from entering in public sewers or the immediate environment.

Section 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

State: Liquid

Colour: Various

Odour: Characteristic odour

Evaporation rate: Slow

Oxidising: Non-oxidising (by EC criteria)

Solubility in water: Not miscible

Also soluble in: Most organic solvents.

Viscosity: Non-viscous

Boiling point/range°C: 162 - 181

Melting point/range°C: Not applicable.

Flammability limits %: lower: 0.8

upper: 7.5

Flash point°C: 43

Part.coeff. n-octanol/water: No data available.

Autoflammability°C: 450

Vapour pressure: 0.29 kPa @ 20 deg C

Relative density: 1.30

pH: Not applicable.

VOC g/l: 550

9.2. Other information

Other information: Not applicable.

Section 10: Stability and reactivity

10.1. Reactivity

Reactivity: Stable under recommended transport or storage conditions.

10.2. Chemical stability

Chemical stability: Stable under normal conditions.

10.3. Possibility of hazardous reactions

Hazardous reactions: Hazardous reactions will not occur under normal transport or storage conditions.

10.4. Conditions to avoid

Conditions to avoid: Direct sunlight. Sources of ignition.

10.5. Incompatible materials

Materials to avoid: Strong acids. Strong bases. Strong oxidising agents.

10.6. Hazardous decomposition products

Haz. decomp. products: In combustion emits toxic fumes.

[cont...]

SAFETY DATA SHEET

CHLORINATED RUBBER FULL GLOSS FINISH

Page: 6

Section 11: Toxicological information

11.1. Information on toxicological effects

Hazardous ingredients:

LOW BOILING POINT NAPHTHA - UNSPECIFIED - SOLVENT NAPHTHA (PETROLEUM), LIGHT AROM.

ORL	RAT	LD50	8400	mg/kg
-----	-----	------	------	-------

1,2,4-TRIMETHYLBENZENE

IPR	RAT	LDLO	1752	mg/kg
ORL	RAT	LD50	5	gm/kg

LOW BOILING POINT HYDROGEN TREATED NAPHTHA - NAPHTHA (PETROLEUM), HYDROTREATED HEAVY

DERMAL	RBT	LD50	>5000	mg/kg
ORAL	RAT	LD50	>5000	mg/kg
VAPOURS	RAT	4H LC50	>5000	mg/l

TOLUENE

IVN	RAT	LD50	1960	mg/kg
ORL	MUS	LD50	2	gm/kg
ORL	RAT	LD50	6900	mg/kg

Relevant hazards for substance:

Hazard	Route	Basis
Skin corrosion/irritation	DRM	Hazardous: calculated
Serious eye damage/irritation	OPT	Hazardous: calculated
STOT-single exposure	INH	Hazardous: calculated
Aspiration hazard	-	Hazardous: calculated

Symptoms / routes of exposure

Skin contact: There may be irritation and redness at the site of contact.

Eye contact: There may be irritation and pain.

Ingestion: Nausea and stomach pain may occur.

Inhalation: There may be a feeling of tightness in the chest with shortness of breath.

Delayed / immediate effects: Immediate effects can be expected after short-term exposure.

Other information: Not applicable.

Section 12: Ecological information

12.1. Toxicity

Ecotoxicity values: No data available.

[cont...]

SAFETY DATA SHEET
CHLORINATED RUBBER FULL GLOSS FINISH

Page: 7

12.2. Persistence and degradability

Persistence and degradability: No data available.

12.3. Bioaccumulative potential

Bioaccumulative potential: No data available.

12.4. Mobility in soil

Mobility: No data available.

12.5. Results of PBT and vPvB assessment

PBT identification: This product is not identified as a PBT/vPvB substance.

12.6. Other adverse effects

Other adverse effects: No data available.

Section 13: Disposal considerations

13.1. Waste treatment methods

Disposal operations: Transfer to a suitable container and arrange for collection by specialised disposal company.

Recovery operations: Solvent reclamation/regeneration.

Waste code number: 08 01 11

Disposal of packaging: Retain for recovery.

NB: The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

Section 14: Transport information

14.1. UN number

UN number: UN1263

14.2. UN proper shipping name

Shipping name: PAINT

14.3. Transport hazard class(es)

Transport class: 3

14.4. Packing group

Packing group: III

14.5. Environmental hazards

Environmentally hazardous: Yes

Marine pollutant: No

14.6. Special precautions for user

Special precautions: No special precautions.

Tunnel code: D/E

[cont...]

SAFETY DATA SHEET

CHLORINATED RUBBER FULL GLOSS FINISH

Page: 8

Transport category: 3

Section 15: Regulatory information

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

Specific regulations: Not applicable.

15.2. Chemical Safety Assessment

Chemical safety assessment: A chemical safety assessment has not been carried out for the substance or the mixture by the supplier.

Section 16: Other information

Other information

Other information: This safety data sheet is prepared in accordance with Commission Regulation (EU) No 453/2010.

* indicates text in the SDS which has changed since the last revision.

Phrases used in s.2 and s.3: H225: Highly flammable liquid and vapour.

H226: Flammable liquid and vapour.

H304: May be fatal if swallowed and enters airways.

H315: Causes skin irritation.

H319: Causes serious eye irritation.

H332: Harmful if inhaled.

H335: May cause respiratory irritation.

H336: May cause drowsiness or dizziness.

H361d: Suspected of damaging the unborn child.

H373: May cause damage to organs <or state all organs affected, if known> through prolonged or repeated exposure <state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard>.

H411: Toxic to aquatic life with long lasting effects.

Legal disclaimer: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.