



# FASTRAC GLOSS ME53 & SATIN SE53

**A direct-to-metal high performance single pack silicone/polyurethane alkyd finish.**

## Recommended Areas of Use

Direct-to-metal decoration of ferrous metals or can be used as part of a finishing system for more demanding exposure scenarios. Perfect for the protection and decoration of ferrous metals in many home projects such as fencing, gates and other ironmongery. Ideally suited as a refinish for agricultural, construction and earth moving equipment, having inherent high flexibility, moderate heat resistance and good resistance to mild chemicals, oils, hydrocarbons and sun light.

## Certificates & Approvals

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

2004/42/EC EU limit value for this product (cat.A/i sb): 500g/l (2010). This product contains max.430g/l

## Properties

<b>Gloss</b>	Full (> 85%) ME53 Satin (~40%) SE53	<b>Surface dry</b>	2 hours
<b>Theoretical Coverage</b>	13 m <sup>2</sup> /L/coat	<b>Minimum overcoating time</b>	16 hours minimum
<b>Recommended number of coats</b>	2 full coats	<b>Maximum overcoating time</b>	Unlimited
<b>Density</b>	1.07 kg/L	<b>Minimum application conditions</b>	Down to 10 °C (but must be 3 °C above dew point)
<b>Volume solids</b>	45%	<b>Full cure</b>	7 days
<b>Flash point (Abel closed cup)</b>	38 °C	<b>Shelf life</b>	12 months minimum in original unopened containers.
<b>VOC</b>	430 g/L	<b>Colour range</b>	RAL, British Standard
<b>Thinner / Cleaning</b>	Bradite Thinner TW35	<b>Heat Resistance</b>	120 °C dry heat (some discolouration may occur)
<b>Recommended wet film thickness</b>	78 microns/coat	<b>Recommended dry film thickness</b>	35 microns/coat

## Suitable Surfaces

For all ferrous and suitably primed non-ferrous metals which are dry, free of contamination, dust and have been properly prepared and/or primed. Compatibility with existing coatings should be confirmed by preparing and painting a test area.

## Application Information

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

**Brush and Roller** – supplied ready for use. Use natural bristle brush, tapered and flagged, for best appearance. Thin, if required, with 0 - 5% Bradite Thinner TW35.

**Conventional Air Spraying** - Thin with 10 - 20% Bradite Thinner TW35 as required, tip size – 1.5 mm, tip pressure 60psi (0.4MPa) approximately.

**Airless Spraying** - Thin with 0 - 15% Bradite Thinner TW35 as required, tip size - 18 thou (0.46mm) approximately, tip pressure - 2100 psi (15MPa) approximately.

## Cleaning

Clean all equipment immediately after use with Bradite Thinner TW35 for best results.

## Preparation

Remove all rust scale, loose mill scale or other corrosion products by scraping and mechanical cleaning to SIS-St 3 (ISO 8501-1:1998). 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 sanding, feathering back to a sound coating edge. Cracks and pits should be filled using a suitable metal filler before painting. Substrate should be dust free and completely dry before coating.

## Notes

For industrial maintenance applications, high pressure steam cleaning to remove all loose, flaking paint and contamination back to a sound surface, is highly recommended.

Light surface rusting may be effectively treated using one coat of Bradite Rust Converter RC46 prior to application of Fastrac finish.

New galvanised steel should be thoroughly degreased and then pre-treated with Bradite Mordent Solution TM38 prior to application of Fastrac finish. Alternatively, or for other non-ferrous metals, prime with Bradite Barrier Primer EU96 or SORTED WP45, before application of Fastrac finish.

For the protection of metal structures in more demanding exposure scenarios, application of Fastrac Antico Primer AP71 or Bradite General Purpose Primer AP70 is highly recommended.

## 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:** FASTRAC ENAMEL

**Product code:** ME53 / SE53

**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](mailto: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:** Aquatic Chronic 3: H412; Asp. Tox. 1: H304; Flam. Liq. 3: H226; -: EUH208

**Most important adverse effects:** Contains 2-butanone oxime, cobalt bis(2-ethylhexanoate). May produce an allergic reaction. Flammable liquid and vapour. May be fatal if swallowed and enters airways. Harmful to aquatic life with long lasting effects.

**2.2. Label elements**

**Label elements:**

**Hazard statements:** EUH208: Contains 2-butanone oxime, cobalt bis(2-ethylhexanoate). May produce an allergic reaction.

H226: Flammable liquid and vapour.

H304: May be fatal if swallowed and enters airways.

H412: Harmful to aquatic life with long lasting effects.

**Hazard pictograms:** GHS02: Flame

GHS08: Health hazard

# SAFETY DATA SHEET

FASTRAC ENAMEL

Page: 2



**Signal words:** Danger

**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.

P303+361+353: IF ON SKIN (or hair): Take off immediately all contaminated clothing.

Rinse skin with water.

P331: Do NOT induce vomiting.

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

EINECS	CAS	PBT / WEL	CLP Classification	Percent
265-150-3	64742-48-9	-	Asp. Tox. 1: H304; Flam. Liq. 3: H226	30-50%

TRIZINC BIS(ORTHOPHOSPHATE) - REACH registered number(s): 01-2119485044-40-0001

231-944-3	7779-90-0	-	Aquatic Chronic 1: H410; Aquatic Acute 1: H400	1-10%
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2-BUTANONE OXIME - REACH registered number(s): 01-2119539477-28-XXXX

202-496-6	96-29-7	-	Carc. 2: H351; Acute Tox. 4: H312; Eye Dam. 1: H318; Skin Sens. 1: H317	<1%
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ZIRCONIUM BIS(2-ETHYLHEXANOATE) - REACH registered number(s): 01-2119979088-21

245-018-1	22464-99-9	-	Repr. 2: H361d	<1%
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ZINC OXIDE - REACH registered number(s): 01-2119463881-32-XXX

-	1314-13-2	-	Aquatic Chronic 1: H410; Aquatic Acute 1: H400	<1%
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COBALT BIS(2-ETHYLHEXANOATE) - REACH registered number(s): 01-2119524678-29-XXXX

205-250-6	136-52-7	-	Skin Sens. 1: H317; Aquatic Acute 1: H400	<1%
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## Section 4: First aid measures

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# SAFETY DATA SHEET

FASTRAC ENAMEL

Page: 3

## 4.1. Description of first aid measures

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

**Eye contact:** Bathe the eye with running water for 15 minutes.

**Ingestion:** Wash out mouth with water.

**Inhalation:** Consult a doctor.

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

**Skin contact:** There may be mild irritation at the site of contact.

**Eye contact:** There may be irritation and redness.

**Ingestion:** There may be irritation of the throat.

**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:** Not applicable.

## Section 5: Fire-fighting measures

### 5.1. Extinguishing media

**Extinguishing media:** Alcohol resistant foam. Water spray. Carbon dioxide. Dry chemical powder.

### 5.2. Special hazards arising from the substance or mixture

**Exposure hazards:** Flammable. In combustion emits toxic fumes. Forms explosive air-vapour mixture.

### 5.3. Advice for fire-fighters

**Advice for fire-fighters:** Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

## 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. Eliminate all sources of ignition. Turn leaking containers leak-side up to prevent the escape of liquid.

### 6.2. Environmental precautions

**Environmental precautions:** Do not discharge into drains or rivers. Contain the spillage using bunding.

### 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. Do not use equipment in clean-up procedure which may produce sparks.

### 6.4. Reference to other sections

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

[cont...]

# SAFETY DATA SHEET

FASTRAC ENAMEL

Page: 4

## Section 7: Handling and storage

### 7.1. Precautions for safe handling

**Handling requirements:** Smoking is forbidden. Use non-sparking tools. Ensure there is sufficient ventilation of the area. Avoid the formation or spread of mists in the air.

### 7.2. Conditions for safe storage, including any incompatibilities

**Storage conditions:** Store in a cool, well ventilated area. Keep container tightly closed. Keep away from sources of ignition. Prevent the build up of electrostatic charge in the immediate area. Ensure lighting and electrical equipment are not a source 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:**

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

**Workplace exposure limits:**

**Respirable dust**

State	8 hour TWA	15 min. STEL	8 hour TWA	15 min. STEL
UK	150 ppm	-	-	-

**ZINC OXIDE**

UK	5 mg/m <sup>3</sup>	10 mg/m <sup>3</sup>	-	-
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### DNEL/PNEC Values

**Hazardous ingredients:**

**TRIZINC BIS(ORTHOPHOSPHATE)**

Type	Exposure	Value	Population	Effect
DNEL	Inhalation	5 mg/m <sup>3</sup>	Workers	Systemic
DNEL	Dermal	83 mg/kg bw/day	Workers	Systemic
DNEL	Dermal	83 mg/kg bw/day	Consumers	Systemic
DNEL	Inhalation	2.5 mg/m <sup>3</sup>	Consumers	Systemic
DNEL	Oral (repeated dose)	0.83 mg/kg bw/day	Consumers	-
PNEC	Fresh water	20.6 ugZn/L	-	-
PNEC	Marine water	6.1 ugZn/L	-	-

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# SAFETY DATA SHEET

## FASTRAC ENAMEL

Page: 5

PNEC	Fresh water sediments	117.8 mgZn/kg sedime	-	-
PNEC	Marine sediments	56.5 mg Zn/kg sedime	-	-
PNEC	Soil (agricultural)	35.6 mgZn/kg soil dw	-	-
PNEC	Microorganisms in sewage treatment	100 ugZn/L	-	-

### ZINC OXIDE

Type	Exposure	Value	Population	Effect
DNEL	Inhalation	5 mg/m3	Workers	Systemic
DNEL	Dermal	83 mg/kg bw/day	Workers	Systemic
DNEL	Dermal	83 mg/kg bw/day	Consumers	Systemic
DNEL	Inhalation	0.83 mg/kg bw/day	Consumers	Systemic
PNEC	Fresh water	20.6 ugZn/L	-	-
PNEC	Marine water	6.1 ugZn/L	-	-
PNEC	Fresh water sediments	117.8 mgZn/kg sedime	-	-
PNEC	Marine sediments	56.6 mgZn/kg sedimen	-	-
PNEC	Soil (agricultural)	35.6 mgZn/kg soil dw	-	-
PNEC	Microorganisms in sewage treatment	100 ugZn/L	-	-

### 8.2. Exposure controls

**Engineering measures:** Ensure there is sufficient ventilation of the area. Ensure lighting and electrical equipment are not a source of ignition.

**Respiratory protection:** Respiratory protection not required.

**Hand protection:** Protective gloves.

**Eye protection:** Tightly fitting safety goggles.

**Skin protection:** Protective clothing.

**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

[cont...]

# SAFETY DATA SHEET

FASTRAC ENAMEL

Page: 6

**Also soluble in:** Most organic solvents.

**Viscosity:** Non-viscous

**Boiling point/range°C:** 149 - 213

**Melting point/range°C:** No data available.

**Flammability limits %: lower:** 0.6

**upper:** 6.0

**Flash point°C:** 43

**Part.coeff. n-octanol/water:** 5 - 6.7 (log Pow)

**Autoflammability°C:** 250

**Vapour pressure:** 300 Pa @ 20 deg C

**Relative density:** 1.10

**pH:** Not applicable.

**VOC g/l:** 430

## 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. Stable at room temperature.

### 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:** Heat. Hot surfaces. Sources of ignition. Flames.

### 10.5. Incompatible materials

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

### 10.6. Hazardous decomposition products

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

## Section 11: Toxicological information

### 11.1. Information on toxicological effects

**Hazardous ingredients:**

**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

[cont...]



# SAFETY DATA SHEET

FASTRAC ENAMEL

Page: 7

## TRIZINC BIS(ORTHOPHOSPHATE)

ORAL	RAT	LD50	> 5000	mg/kg
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## 2-BUTANONE OXIME

ORL	MUS	LD50	1	gm/kg
ORL	RAT	LD50	930	mg/kg
SCU	RAT	LD50	2702	mg/kg

## ZINC OXIDE

DUST/MIST	RAT	4H LC50	> 5.7	mg/l
ORAL	RAT	LD50	> 15000	mg/kg
ORL	MUS	LD50	7950	mg/kg

### Relevant hazards for product:

Hazard	Route	Basis
Aspiration hazard	-	Hazardous: calculated

### Symptoms / routes of exposure

**Skin contact:** There may be mild irritation at the site of contact.

**Eye contact:** There may be irritation and redness.

**Ingestion:** There may be irritation of the throat.

**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

#### Hazardous ingredients:

#### TRIZINC BIS(ORTHOPHOSPHATE)

ALGAE	72H ErC50	0.14 - 0.32	mg/l
Ceriodaphnia dubia	48H EC50	0.89 - 0.96	mg/l
Daphnia magna	48H EC50	> 2.34	mg/l
RAINBOW TROUT (Oncorhynchus mykiss)	96H LC50	0.14 - 5.59	mg/l

### 12.2. Persistence and degradability

**Persistence and degradability:** No data available.

### 12.3. Bioaccumulative potential

**Bioaccumulative potential:** No data available.

[cont...]

# SAFETY DATA SHEET

FASTRAC ENAMEL

Page: 8

## 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

**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.

[cont...]

# SAFETY DATA SHEET

FASTRAC ENAMEL

Page: 9

## 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 2015/830.

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

**Phrases used in s.2 and s.3:** EUH208: Contains <name of sensitising substance>. May produce an allergic reaction.

H226: Flammable liquid and vapour.

H304: May be fatal if swallowed and enters airways.

H312: Harmful in contact with skin.

H317: May cause an allergic skin reaction.

H318: Causes serious eye damage.

H351: Suspected of causing cancer <state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard>.

H361d: Suspected of damaging the unborn child.

H400: Very toxic to aquatic life.

H410: Very toxic to aquatic life with long lasting effects.

H412: Harmful 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.