

## Smart Glo

SPSG  
1, 5 & 20 Litre



### Description

**Smart Glo** is a general purpose solvent based enamel gloss paint. Suitable for use on all types of wood and metal surfaces. Recommended for use where economy is important. For longer lasting durability on exposed surfaces, Smart High Gloss is recommended.

### Usage

For decoration and protection of all types of interior and exterior wood and metal surfaces.

### Composition

Pigment	:	Lightfast non-lead pigments and mineral extenders
Binder	:	Modified hydrocarbon resin.
Volume Solid	:	White 54% (nominal), others colours will vary.
Diluent	:	White Spirit

### Properties

Finishing	:	Gloss finish
Colour	:	Refer to color card.
Theoretical Coverage	:	15 - 17m <sup>2</sup> / Litre (actual coverage dependent on substrate condition.)
Drying Time	:	Touch dry – 1 Hours. Hard dry – 4 Hours *Dependent on temperature and humidity.
Recoating Interval	:	3 to 4 hours.

### Application Method

Brush	:	For normal use thinning is not usually necessary.
Roller	:	For normal use thinning is not usually necessary.
Conventional Air Spray	:	Thin with max 10 – 20 % by volume with white spirit.
Airless Spray	:	Ready for use. Thinning is not usually necessary.

### Surface Preparation

Surface	Preparation
Wood	Wood must be dry and free from grease, dirt, and other contaminants, smoothen surface with suitable grade sand paper and dust off before application of undercoat and paints.
Metal	Surface must be dry and free from grease, dirt and other contaminants. Steel surfaces should be sanded or wire-brushed to remove mill scales and rust.

Previously painted	Remove all loose, defective and unstable paint film. Rusted and defective areas should be sanded and feather edged and spot primed with red oxide primer or zinc chromate primer before applying subsequent coatings.
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### Painting Guide

Surface	Primer	Sealer (1 coat)	Finish (1 - 3 coats)
Wood	Aluminum Wood Primer	Undercoat	Smart Glo
Metal	Red oxide primer/ zinc chromate/ phosphate Primer	Undercoat	Smart Glo
Galvanized & Aluminum	Etch Primer	Undercoat	Smart Glo

Smart paints

## Composition / Information on Ingredients

Certain ingredients, having recognised health effects, are present at concentrations above the exemption limits (0.1% for toxic materials and 1% for all others).

Note: Text for R phrase codes shown (if any) is given in section 16.

Hazardous Ingredient	CAS No	Symbol	%	R-Phrases
Xylene Mixture Of Isomers	1330-20-7	Xn	<2.5	R20/21,38
Naphtha Hydrodesulf Heavy	64742-82-1		30-45	
Alkyd Resin	68333-62-0		20-25	
Petroleum Resin	68131-77-1		30-35	
Pigment			5-15	
Lead Carboxylate	Unavailable	T $\mu$	0.10	R20/22,23,61

## Hazard Identification

This product has been assessed under the Dangerous Preparations Directive (88/379/EEC) and the Chemicals (Hazard Information and Packaging). Regulations 1993 (CHIP), and is classified as follows:-

Hazard	Identification
Toxic	Flammable
R61	May cause harm to the unborn child.
R20/22	Harmful by inhalation and if swallowed.
R33	Danger of cumulative effects
P90	Contains Lead. Should not be used on surfaces liable to be chewed or sucked by children.

## First Aid Measures

General advice	:	When symptoms persist or in all cases of doubt seek medical advice. Never give anything by mouth to an unconscious person.
Inhalation	:	Remove to fresh air. Keep patient warm and at rest. If breathing is irregular or stopped, administer artificial respiration. If unconscious place in recovery position and seek medical advice.
Skin contact	:	Remove all contaminated clothing immediately. Wash skin thoroughly with soap and water or use recognized skin cleanser.
Eye contact	:	Remove contact lenses. Irrigate copiously with clean, fresh water for at least 10 minutes, holding the eyelids apart. Seek medical advice.
Ingestion	:	If accidentally swallowed obtain immediate medical attention. Keep at rest. DO NOT INDUCE VOMITING.

## Fire Fighting Measures

- Specific Hazards : Hazardous combustion products may include carbon monoxide. Will float and can be reignited on surface water. The vapor is heavier than air, spreads along the ground and distant ignition is possible.
- Extinguishing Media : Recommended – alcohol resistant foam, CO<sub>2</sub>, powders. Do not use waterjet.
- Protective Equipment : Full protective clothing and self-contained breathing apparatus.
- Recommendations : Fire will produce dense black smoke. Exposure to decomposition products may cause a health hazard. Fire fighters should wear self-contained breathing apparatus. Closed containers exposed to fire should be cooled with water. Do not allow run-off from fire-fighting to enter drains or water-courses.

## Accidental Release Measures

- Personal precautions : Put on adequate protective equipment. Avoid breathe vapours.
- Environmental precautions : Keep away from drains, surface-water, ground-water and soil.
- Methods for cleaning up : Collect as much as possible in a clean container for disposal. Cover the remainder with inert absorbent. Disposal according to local.

## Handling and storage

- Handling : Avoid prolonged or repeated contact with skin. Extinguish any naked flames. Remove ignition sources. Avoid sparks. Do not smoke. Do not empty into drains.
- Storage : Keep away from direct sunlight and other sources of heat or ignition. Do not smoke in storage areas. Keep container tightly closed and in a well-ventilated place. Do not keep product at long time (2 years).

## Exposure Controls / Personal Protection

Hazardous Ingredient	LTEL ppm	(8hr TWA) mg/m <sup>3</sup>	STEL ppm	(15m) mg/m <sup>3</sup>	Time (Mins)	Notes
Xylene, Mixture of Isomers	100.00	435.00	150.00	650.00	15	OES sk
Naphtha Hydrodesulf Heavy	100.00	575.00	125.00	720.00	15	OES
Lead Carboxylate	0.15				0	OES

- OEL : Occupational Exposure Limits (HSE Guidance Note EH40)
- OES : Occupational Exposure Standard
- MEL : Maximum Exposure Limit
- SUP : Manufacturer's recommended Limit
- LTEL : Long-term Exposure Limit.
- TWA : Time weighted Average
- STEL : Short term Exposure Limit.
- SK : Risk of absorption through unbroken skin

Further guidance on OELs and assessment of occupational exposure to harmful materials (including mixed exposures) is given in HSE Guidance Note EH40.

- Respiratory Protection : Avoid the inhalation of vapour, particulates and spray mist. Where reasonably practicable, this should be achieved to maintain concentrations of particulars and solvent vapour below the occupational exposure limit, respirations protection must be worn. The selection of respiratory equipment should be in accordance with BS 4275. Recommendations for the selection, use and maintenance of Respiratory Equipment, and the current certificates of approval are issued by the Health and Safety Executive. The European Group of Vehicle Refinish Manufacturers united in CEPE recommends the use of fresh-air masks as the best personal protection during spraying of any car refinish paint.
- Hand Protection : Wear suitable gloves for protection against materials in section 2.
- Eye protection : Wear suitable eye protection to BS 2092.

All the above precautions also apply to dry sanding and thermal decomposition, eg welding or flame cutting of the dried product, which will give rise to dust. steps must be taken to ensure that persons nearby who may be unconnected with the spraying, sanding or hot-work operations, are not affected.

### Physical And Chemical Properties

Product Code	Physical State	Specific Gravity (g/m)	Water Miscible	PH	Flash Point (deg C)
Captain Gloss	Liquid	0.90-1.10	N/A	N/A	32-35

This product supports combustion.

- Explosion limit lower (%) : 0.6 (Naphtha Hydrodesulf Heavy)  
 Explosion limit upper (%) : 8.0 (Naphtha Hydrodesulf Heavy)  
 Vapour Pressure (mmHg) : 7.000 (Xylene Mixture Of Isomers)

### Stability and Reactivity

- Stability : Stable under normal use conditions. Reacts with strong oxidizing agents.
- Conditions to Avoid : Heat, flames and sparks.
- Material to Avoid : Keep away from oxidizing agents, strongly alkaline and strongly acidic materials in order to avoid exothermic reactions.
- Hazardous Decomposition Products : When exposed to high temperatures may produce hazardous decomposition product such as carbon monoxide, carbon dioxide, smoke and oxides of nitrogen.

### Toxicological Information

Exposure to component solvent vapour concentrations in excess of the stated occupational exposure limit may result in adverse health effect, such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness.

Acute toxicity	:	No data is available on the product itself.
Local effects	:	Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. The liquid splashed in the eyes may cause irritation and reversible damage.

### Ecological Information

There is no specific data available on the product itself. The product should not be allowed to enter drains or watercourses or be deposited where it can affect ground or surface waters. Products classified as Marine Pollutants are indicated as such under Transport (section 14).

### Disposal Considerations

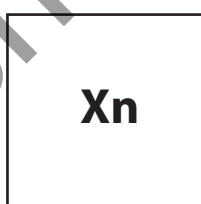
Waste material and containers must be treated as a fire hazard and disposed of in accordance with the general requirement of the Control of Pollution Act 1974. The 1990 Environmental Protection Act introduced controls on the disposal or depositing of waste. Due regard should be given to the "Duty of Care" required under the regulations and the guidance given under this Act.

### Transport information

Road (adr)	:	Not Regulated
rail (rid)	:	Not Regulated
air (icao/iata)	:	Not Regulated
sea (imo/imdg)	:	Not Regulated

### Regulatory Information

EU Classification	:	Harmful, flammable
Symbol	:	Xn



**Harmful**

Risk-phrases	:	R10	Flammable.
		R20/21	Harmful by inhalation and in contact with skin.
		R38	Irritating to skin
		R66	Repeated exposure may cause skin dryness @ cracking
Safety-phrases	:	R67	Vapours may cause drowsiness and dizziness
		S25	Avoid contact with eyes.

## Other Information

Our technical advice – whether verbal, in writing or by way of trials – is given in good faith but without warranty, and this also applies where proprietary rights of third parties are involved. It does not release you from the obligation to test the products supplied by us as to their suitability for the intended processes and uses. The application, use and processing of the products are beyond our control and, therefore, entirely your own responsibility. Should, in spite of this, liability be established for any damage, it will be limited to the value of the goods delivered by us and used by you. We will, of course provide products of consistent quality within the scope of our General Conditions of Sale and Delivery.

## Company Identification

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