PRODUCT INFORMATION 04S0129

Ceramic Coat Co. Ltd.,
4-2, 1-Chome Uchi-Kanda Chiyoda-Ku
Tokyo, Japan
Tel. 03-3294-6111 Fax 03-3293-8548

SP coat SPSY-3

§ Type

Heat resistant paint

§ General Properties

1) Exellent weather resistance.
2) Good adhesion to steel surface.
3) Heat resistance up to 400℃

§ Test data

Color	···	Silver
Specific gravity (20℃)	···	1.02
Viscosity sec. (Ford cup No. 4)	···	23
Non volatile content (wt%)	···	38
Film thickness (μ) in the case of only silver coat	···	20~30
in the case of using with primer	···	10~20
Adhesion (1mm square cross cut tape test)	···	100/100
Heat resistance (℃)	···	400
Salt spray test (hrs.)	···	96
Drying time (tack free at 20℃)	···	10 min.
(Baking temp. at 150℃)	···	20 min.
Working property (Brush & spray)	···	Good
Storage stability	···	Good

§ Formula of a paint

Pigment (Aluminium paste, talc, etc)	···	24.5
Varnish (modified silicone)	···	45.0
Solvent	···	29.5
Additive	···	1.0
Total	···	100.0 wt%

§ Specification for painting

Diluent thinner	·····	0 thinner
Dilution ratio	·····	10~30 %
Stoving condition	·····	150℃x20min.
Interval to next coating	·····	more than 5 hours
Pretreatment	·····	Blasting
Amount of coat in the case of only silver coat	·····	150 g/m²
in the case of using with primer	·····	125 g/m²

Product Name : SP coat SPSY-3

Chemical Name : Mixture (Heat Resistant Paint)
UN No. : 1263
IMO Classfication : Flammable Liquids / Class 3.3

Manufactur's Name: Ceramic Coat Co., Ltd.
Address: 4-2,1 Chome, Uchi-Kanda, Chiyodaku, Tokyo, Japan
Emergency Telephone Number: 03-3294-6111 (Tokyo, Japan)
Telephone Number For Information: 03-3294-6111 (Tokyo, Japan)
Date Prepared: September 1,1993
Date Issued: April 1,1998
Issued By: Y.Shimada

Section I Hazardous Ingredient

Hazardous Component	CAS No.	W t %	ACGIH TLV
Xylene	1330-20-7	51~60	100PPM
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		~	

Section II Physical and Chemical Properties

Boiling Point (℃) : 138
Vapour Pressure : 1333Pa/32℃
Specific Gravity : 1.02
Melting Point (℃) : Not applicable
Solubility in Water : Not soluble
Apearance and odor : Silver Solution with Solvent odour

Section III Fire Fighting Measures

Flash point (method used)	:	26.5 degrees C(Closed cup)
Flammable Limits	:	Lower: 1.0% Upper: 7.7%
Extinguishing Media	:	Foam, dry chemical or carbon dioxide
Special Fire Fighting Procedures	:	Use supplied breathing air and protective clothing. Highly flammable , owing to the solvent.
Unusual Fire and Explosion Hazards	:	Solvent vapours form explosive mixtures with air.

Section IV Stability and Reactivity

Stability	:	Stable
Incompatibility(materials to avoid)	:	None
Hazardous Decomposition or By-Products	:	None
Hazardous Polymerization	:	Will not occur

Section V Toxicological Information

Skin irritation	Skin rabbit	:	500mg/24Hr Moderate
Eye irritation	Eye rabbit	:	5mg/24Hr Severe
Acute toxicity(LD50)	LD50(Oral/rat)	:	4.3g/kg
Acute toxicity(LC50)	LC50(Inhalation/rat)	:	5000ppm/4Hr

Chronic toxicity : May cause an adverse effect upon marrow and damage to the liver and the kidneys.

Section VI Hazards Identification

Hazards classfication : Flammable Liquids (based on IMO)

Fire and Exclosion : Flammable and explosive hazard

Potential Health Effect :

- Inhalation ; May cause dizziness, headache, nausea and metal confusion.
- Skin contact ; May cause irritation. Prolonged skin contact may cause dermatitis.
- Eyes contact ; May cause irritation.
- Ingestion ; No information is available

Section Ⅶ First Aid Measures

Inhalation ; Remove to fresh air. If not breathing or difficult, give artifical respiration or oxygen. Call a physician.

Skin contact ; Remove from skin with dry cloth or towel, and then wash with detergent.

Eyes contact ; Immediately flush eyes with plenty of water for at least 15 minutes and promtly call a physician.

Ingestion ; Wash out mouth with water provided person is conscious. Never give anything by mouth to an unconscious person. Call a physician immediately.

Section Ⅷ Control and protective measures

Respiratory protection(specify type): Approved respirator

Ventilation Local exhaust : Required

Mechanical(general): Adequate ventilation system

Special : Unknown Other :Unknown

Protective gloves : Plastic film or rubber gloves

Eye protection : Protective goggles or glasses

Other protective clothing or equipment: Safety shower and eye wash equipment

Work/hygienic practices: Keep away from heat, sparks and flame.
Avoid breathing vapour. Avoid contact with eyes and skin.
Wash hands and eyes, and gargle after handling.

Section Ⅸ Precaution for handling and use

Step to be taken in case material is released or spilled:

Shut off ignition sources.
Wear appropriate protective equipment.
Contain the spill or leak.
Collect on absorvent material.

Waste disposal method : Can be burned in chemical incinertor equipped with afterburner and scrubber but exert extra care in ignit ing as this product is very flammable.

Precautions to be taken in handling and storing:

Keep container closed when not in use.
Store in a cool place.

Keep away from heat, sparks and flame.

Do not lay the container on its side.

Use only with adequate ventilation.

Do not inhale vapours.

Avoid contact with eyes, skin and clothing.

Other precaution: Static electricity may accumulate and cause a fire hazard.