



SAFETY DATA SHEET
FLAG CRUISING ANTIFOULING

Page 1
Issued: 12/10/2007
Revision No: 1

1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND OF THE COMPANY / UNDERTAKING

Product name: FLAG CRUISING ANTIFOULING
Company name: FLAG Paints Ltd
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2. HAZARDS IDENTIFICATION

Main hazards: Flammable. May cause sensitisation by skin contact. Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. Harmful: may cause lung damage if swallowed.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous ingredients: ROSIN 1-10%
EINECS: 232-475-7 CAS: 8050-09-7
[Sens.] R43

- ZINC OXIDE 1-10%
CAS: 1314-13-2
[N] R50/53
- COPPER (I) OXIDE 10-30%
EINECS: 215-270-7 CAS: 1317-39-1
[Xn] R22; [N] R50/53
- LOW BOILING POINT NAPHTHA - UNSPECIFIED - SOLVENT NAPHTHA (PETROLEUM), LIGHT AROM. 10-30%
EINECS: 265-199-0 CAS: 64742-95-6
[T] R46; [Xn] R65; [-] R10; [Xi] R37; [N] R51/53

4. FIRST AID MEASURES (SYMPTOMS)

Skin contact: There may be mild irritation at the site of contact.
Eye contact: There may be irritation and redness.
Ingestion: There may be vomiting.

[cont...]

SAFETY DATA SHEET
FLAG CRUISING ANTIFOULING

4. FIRST AID MEASURES (ACTION)

- Skin contact:** Wash immediately with plenty of soap and water.
- Eye contact:** Bathe the eye with running water for 15 minutes. Consult a doctor.
- Ingestion:** Give 1 cup of water to drink every 10 minutes. Do not induce vomiting. Consult a doctor.
- Inhalation:** Remove casualty from exposure ensuring one's own safety whilst doing so.

5. FIRE-FIGHTING MEASURES

- Extinguishing media:** Dry chemical powder. Alcohol or polymer foam. Carbon dioxide.
- Exposure hazards:** Flammable.
- Protection of fire-fighters:** Wear protective clothing to prevent contact with skin and eyes.

6. ACCIDENTAL RELEASE MEASURES

- Personal precautions:** Refer to section 8 of SDS for personal protection details.
- Environmental precautions:** Do not discharge into drains or rivers. Contain the spillage using bunding.
- Clean-up procedures:** Contain spillage with sand or earth, sweep up and dispose of in accordance with a recognised method of waste disposal.

7. HANDLING AND STORAGE

- Handling requirements:** Ensure there is sufficient ventilation of the area.
- Storage conditions:** Store in cool, well ventilated area. Keep away from sources of ignition.
- Suitable packaging:** Must only be kept in original packaging.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION**Workplace exposure limits**

- WEL (8 hr TWA):** 100
- Engineering measures:** Ensure there is sufficient ventilation of the area.
- Respiratory protection:** Gas/vapour filter, type A: organic vapours (EN141).
- Hand protection:** Nitrile gloves. Viton gloves.
- Eye protection:** Safety goggles.
- Skin protection:** Protective clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

- State:** Liquid
- Odour:** Aromatic
- Viscosity:** Non-viscous
- Viscosity value:** 6.0
- Viscosity test method:** Kinematic viscosity in 10⁻⁶ m²/s at 40°C (ISO 3104/3105)
- Boiling point/range°C:** 200
- Flash point°C:** 42
- Autoflammability°C:** >200

SAFETY DATA SHEET
FLAG CRUISING ANTIFOULING**Relative density:** 1.8**10. STABILITY AND REACTIVITY****Stability:** Stable at room temperature.**Conditions to avoid:** Sources of ignition.**Materials to avoid:** Oxidising agents. Acids.**Haz. decomp. products:** In combustion emits toxic fumes of carbon dioxide.**11. TOXICOLOGICAL INFORMATION****Hazardous ingredients:** ZINC OXIDE

IPR RAT LD50 240 mg/kg

ORL MUS LD50 7950 mg/kg

- COPPER (I) OXIDE

IPR MUS LD50 380 mg/kg

ORL RAT LD50 470 mg/kg

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

ORL RAT LD50 8400 mg/kg

Chronic toxicity: Danger of cumulative effects if swallowed.**Routes of exposure:** Refer to section 4 of SDS for routes of exposure and corresponding symptoms.**12. ECOLOGICAL INFORMATION****Mobility:** Volatile. Insoluble in water.**Persistence and degradability:** Biodegradable.**Bioaccumulative potential:** Bioaccumulation potential.**Other adverse effects:** Toxic to aquatic organisms. Toxic to soil organisms. Toxic to flora.**13. DISPOSAL CONSIDERATIONS****Disposal operations:** Disposal in accordance with local authority regulations.

R1 Solvent reclamation/regeneration.

Disposal of packaging: Dispose of as normal industrial waste.**NB:** The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.**14. TRANSPORT INFORMATION****ADR / RID****UN no:** 1263**ADR Class:** 3**Packing group:** III**Classification code:** F1**Shipping name:** PAINT**Labelling:** 3**Hazard ID no:** 30

SAFETY DATA SHEET
FLAG CRUISING ANTIFOULING



IMDG / IMO

UN no:	1263	Class:	3
Packing group:	III	EmS:	3-05
Marine pollutant:	.		
Labelling:	3		

IATA / ICAO

UN no:	1263	Class:	3
Packing group:	III		
Packing instructions:	309(P&CA); 310(PAO)		
Labelling:	3		

15. REGULATORY INFORMATION

Hazard symbols: Dangerous for the environment.
Harmful.



Risk phrases: R10: Flammable.
R43: May cause sensitisation by skin contact.
R51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R65: Harmful: may cause lung damage if swallowed.

Safety phrases: S24: Avoid contact with skin.
S37: Wear suitable gloves.
S61: Avoid release to the environment. Refer to special instructions / safety data sheets.
S62: If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.

Haz. ingredients (label): ROSIN; ZINC OXIDE; COPPER (I) OXIDE; LOW BOILING POINT NAPHTHA - UNSPECIFIED - SOLVENT NAPHTHA (PETROLEUM), LIGHT AROM.

Note: The regulatory information given above only indicates the principal regulations specifically applicable to the product described in the safety data sheet. The user's attention is drawn to the possible existence of additional provisions which complete these regulations. Refer to all applicable national, international and local regulations or provisions.

SAFETY DATA SHEET
FLAG CRUISING ANTIFOULING

16. OTHER INFORMATION

Risk phrases used in s.3: R43: May cause sensitisation by skin contact.
R50/53: Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R22: Harmful if swallowed.
R46: May cause heritable genetic damage.
R65: Harmful: may cause lung damage if swallowed.
R10: Flammable.
R37: Irritating to respiratory system.
R51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

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.