



SOVEREIGN SOVAQ FLX F/I

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

- A. Product Name **Sovereign Sovaq FLX F/I HSE. No. 6509**
- B. Supplier Sovereign Chemicals Limited
Park Road
Barrow-in-Furness
Cumbria. LA14 4EQ
- C. Emergency Tel. No. 01229 870800 - Office hours
01785 272650 - Out of hours
- D. Odour Slight

2. HAZARDS IDENTIFICATION

Concentrate - Irritating to eyes and skin. Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Diluted Product - Not classified.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Key to proportions: High 61-100%, Med 11-60%, Low 1-10%, Very Low <1%

Key to identification: A = Chip Index No.; B = EEC No; C = CAS No

COMPONENT	CLASSIFICATION R PHRASES	PROPORTIONS	EXPOSURE LIMITS (8Hr TWA)	IDENTIFICATION
3-IODO-2-PROPYNL N-BUTYL CARBAMATE (IPBC)	X _n HARMFUL R20/22 41 50	LOW	NOT ASSIGNED	55406-53-6(C)
PROPICONAZOLE	X _n HARMFUL R22 43 50/53	LOW	NOT ASSIGNED	60207-90-1(C)
FLUROX	N DANGEROUS FOR THE ENVIRONMENT R50/53	VERY LOW	NOT ASSIGNED	101463-69-8(C)

4. FIRST AID MEASURES

For concentrate and diluted product:

- EYES Flush with plenty of clean water. Seek medical attention.
- SKIN Wash with soap and water. Remove contaminated clothing. In case of significant contamination or persistent irritation seek medical attention.
- INGESTION Seek medical attention. Show label if possible. Do not induce vomiting.
- INHALATION Remove from exposure using correct safety equipment. Seek medical attention. (Unlikely to represent a problem).

5. FIRE FIGHTING MEASURES

Concentrate and diluted materials are non-flammable, but may release toxic vapours at high temperatures.

6. ACCIDENTAL RELEASE MEASURES

Contain liquid with sand, earth or other suitable absorbent. Place in a labelled container for special disposal. The material and its container must be disposed of in a safe way (see 13). Do not allow product to contaminate ponds, waterways or ditches. Do not flush with water.

7. HANDLING AND STORAGE

Store away from food, drink, animal feeding stuffs, drains and water courses.

Keep out of reach of children and pets.

Keep in original container, tightly closed in a safe place until used.

Ensure containers of diluted material are properly labelled.

Protect both concentrate and diluted product from frost (store above 5°C).

Do not contaminate foodstuffs, eating utensils or food contact surfaces.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

This product is supplied as a concentrate to be diluted 1 part concentrate to 24 parts water for end use. Always ensure the emulsion is thoroughly mixed, particularly if allowed to stand for long periods.

For indoor use only as a Wood Preservative.

To be used only by professional operators.

Wear suitable protective clothing (coveralls) and synthetic rubber/PVC gloves when using plus eye protection when diluting.

When spraying the diluted material all lighting equipment should be suitable for use in a water mist environment.

Wash hands and exposed skin before meals and after work.

When using do not eat, drink or smoke.

Cover water storage tanks before application.

Exclude all unprotected persons or animals during treatment and for at least 1 hour after treatment is completed.

Ensure there is a physical barrier to prevent contact by unprotected persons and animals until treated surfaces are visibly dry.

Ensure adequate ventilation before re-occupying.

Wash splashes from skin or eyes immediately.

Avoid excessive contamination of overalls and launder regularly.

The (COSHH) Control of Substances Hazardous to Health Regulations may apply in the use of this product at work.

Engineering control of operator exposure must be used where reasonably practicable in addition to the following items of personal protection. (Engineering controls may replace personal protective equipment if a COSHH assessment shows they provide an equal or higher standard of protection).

For Personal Protection

EYES	Where risk of splashing occurs when diluting or spraying wear goggles.
HANDS, BODY, FACE	Wear overalls and synthetic rubber/PVC gloves. Avoid contact with skin. Avoid excessive contamination of coveralls and launder regularly.
RESPIRATORY	Do not breathe spray mist, otherwise wear respiratory protective equipment. Minimum protection is a half face mask (or similar) with twin filter type A1P2. Further information or advice is available from Sovereign Spares (Tel: 0121 434 3880).

9. PHYSICAL AND CHEMICAL PROPERTIES

	Concentrate	Dilution
Active Constituents		
Flurox	0.39% w/w	0.016% w/w
IPBC	6.11% w/w	0.25% w/w
Propiconazole	5.86 % w/w	0.25% w/w
Packaging	1 Litre	Makes 25L
Specific Gravity	1.12	1.0
Flash Point	>65 °C(ASTM D56-87 TAG CLOSED)	Not applicable
pH	5.5-6.0	6.0-7.0
Application Methods	N/A	Brush or spray
Dilution Rate	1:24	N/A
Usage Rates	N/A	4-5 m ² /litre (spray) 5 m ² /litre (brush)
Type of Formulation	Waterbased Conc.	Microemulsion
Appearance	Yellowish orange viscous liquid	Slightly orange off white micro emulsion
EEC Classification	Irritant	Not Classified

10. STABILITY AND REACTIVITY

Diluted material stable for up to one month, provided it has been stored in a sealed container between 5°C - 20°C.

11. TOXICOLOGICAL INFORMATION

INHALATION	Little or no hazard, but inhalation of spray is an irritant to mouth and throat and can cause nausea.
INGESTION	Irritating to mouth, throat and digestive tract. Vomiting. Abdominal pain. Aspiration into lungs can cause narcosis or pulmonary oedema.
SKIN	Frequent or prolonged contact may cause irritation and dermatitis.
EYES	Solvent and emulsifiers can cause rapid penetration of product into eye tissues, redness and watering.

12. ECOLOGICAL INFORMATION

Remove or cover fish tanks and bowls before application.
Highly toxic to some groups of aquatic invertebrates (eg Daphnia Magna).
Not toxic to fish, algae and other freshwater micro-organisms.
High degree of residue accumulation by fish (Rainbow Trout).
Do not contaminate ponds, waterways or ditches with chemical or used containers.
Do not apply in or around drains.

13. DISPOSAL CONSIDERATIONS

Dispose of in accordance with Local Authority Regulations. Pesticide product classified as special waste. Use only licensed waste hauliers and disposal contractors.

14. TRANSPORT INFORMATION

Not classified as dangerous for conveyance by road, sea or air.

15. REGULATORY INFORMATION**Irritant**

R36/38 Irritating to eyes and skin (Concentrate only).
R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment (Concentrate only).

This product is approved under the Control of Pesticides Regulations 1986 for use as directed. HSE. No. 6509.

In case of accidents or if you feel unwell, seek medical advice (show label/container if possible). Read and abide by statutory conditions of use of this product as detailed on the container/label.

All bats are protected under the Wildlife and Countryside Act 1981. Before treating any structure used by bats, consult English Nature, Scottish Natural Heritage or the Countryside Council for Wales.

16. OTHER INFORMATION

*EH40 - Occupational Exposure Limits.

ISBN 07176 0542-6 - Approved Code of Practice - The Safe Use of Pesticides for Non-Agricultural Purposes (L9).

ISBN 011 885413-5 - In Situ Timber Treatment Using Timber Preservatives (Health, Safety and Environmental Precautions).

ISBN 011 885406-2 - Storage of Approved Pesticides - Guidance for Farmers and Other Professional Users.

ISBN 011 885848-4 - Recommendations for Training Users of Non Agricultural Pesticides.

HS(G) 97 - A Step by Step Guide to C.O.S.H.H. Assessment.

This product should be stored, handled and used in accordance with good hygiene practices and in conformity with any legal regulations. The information contained herein is based on the present state of our knowledge and is intended to describe our products from the point of view of safety requirements. It should not be construed therefore as guaranteeing specific properties.

This Safety Data Sheet Issue 4 replaces Issue 3 following review.