

SAFETY DATA SHEET

NITRO FLO 63/37 TIN/LEAD SOLDER

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

PRODUCT NAME: NITRO FLO 63/37 TIN/LEAD SOLDER
PART No.: 4631
SUPPLIER: BLT Circuit Services Limited
Brome Industrial Estate
Brome, Eye
Suffolk. IP23 7HN
TELEPHONE: 01379 870870
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2. COMPOSITION/INFORMATION ON INGREDIENTS:

INGREDIENT NAME:	EINECS	CAS No.:	CONTENT	SYMBOL	RISK:
TIN	231-141-8	7440-31-5	60-100 %	NC	Not classified.,
LEAD	231-100-4	7439-92-1	30-60 %	NC	Not classified.,

The full text for all R-phrases are shown in section 16

3. HAZARDS IDENTIFICATION:

Harmful by inhalation and if swallowed. Danger of cumulative effects.

4. FIRST AID MEASURES:

GENERAL: Move the exposed person to fresh air at once. Get medical attention if any discomfort continues.

INHALATION: Move the exposed person to fresh air at once. Get medical attention. Provide rest, warmth and fresh air. When breathing is difficult, properly trained personnel may assist affected person by administering 100% oxygen.

INGESTION: DO NOT INDUCE VOMITING! NEVER MAKE AN UNCONSCIOUS PERSON VOMIT OR DRINK FLUIDS! Remove victim immediately from source of exposure. Drink plenty of water. Get medical attention immediately! Provide rest, warmth and fresh air.

SKIN: Remove affected person from source of contamination. Remove contaminated clothing. Wash the skin immediately with soap and water. Get medical attention promptly if symptoms occur after washing.

EYES: Remove victim immediately from source of exposure. Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes and get medical attention.

5. FIRE FIGHTING MEASURES:

EXTINGUISHING MEDIA:
Dry chemicals, sand, dolomite etc.

SPECIAL FIRE FIGHTING PROCEDURES:

Fire can be extinguished using: Carbon dioxide (CO₂). Powder Foam. Dry sand. Do not use water if molten metal is involved in fire

HAZARDOUS COMBUSTION PRODUCTS:

Fire or high temperatures create: Toxic gases/vapors/fumes of: Lead and Tin

PROTECTIVE MEASURES IN FIRE:

Wear self contained breathing apparatus

6. ACCIDENTAL RELEASE MEASURES:**PERSONAL PRECAUTION IN SPILL:**

NOT APPLICABLE

SPILL CLEANUP METHODS:

No specific clean-up procedure noted.

7. HANDLING AND STORAGE:**USAGE PRECAUTIONS:**

Ventilate well, avoid breathing vapours. Use approved respirator if air contamination is above accepted level. Do not eat, drink or smoke during use. Wash hands after handling.

STORAGE PRECAUTIONS:

Store isolated from oxidizing materials.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION:**INGREDIENT NAME:**

TIN
LEAD

CAS No.:

7440-31-5
7439-92-1

STD:

OES
MEL

LT EXP. 8 HRS:

2 mg/m³
0.15 mg/m³

ST EXP. 15 MIN:

4 mg/m³
No std.

INGREDIENT COMMENTS:

OES = Occupational Exposure Standard.

PROTECTIVE EQUIPMENT:

VENTILATION: Provide adequate general and local exhaust ventilation.

RESPIRATORS: No specific recommendation made, but respiratory protection must be used if the general level exceeds the Occupational Exposure Level (OEL).

PROTECTIVE GLOVES:

Use protective gloves.

EYE PROTECTION:

Wear approved safety goggles.

OTHER PROTECTION:

Wear appropriate clothing to prevent any possibility of liquid contact and repeated or prolonged vapour contact.

HYGIENIC WORK PRACTICES:

DO NOT SMOKE IN WORK AREA! Wash at the end of each work shift and before eating, smoking and using the toilet. Promptly remove any clothing that becomes contaminated. Wash promptly with soap & water if skin becomes contaminated. Use appropriate skin cream to prevent drying of skin. No eating or drinking while working with this material.

9. PHYSICAL AND CHEMICAL PROPERTIES:

APPEARANCE: Metal or metallic.
COLOUR: Silver.
ODOUR/TASTE: Odourless or no characteristic odour.
MELT./FREEZ. POINT (°C, interval): 183-185
DENSITY/SPECIFIC GRAVITY (g/ml): 8.25 **TEMPERATURE (°C):** 20
VAPOUR PRESSURE: Not determined **TEMPERATURE (°C):**

10. STABILITY AND REACTIVITY:

STABILITY: Normally stable. SHELF LIFE 12 MONTHS

CONDITIONS TO AVOID:
Avoid contact with acids and oxidising substances.

HAZARDOUS DECOMP. PRODUCTS:
Fire creates: Irritating gases/vapours/fumes of: Lead and Tin

11. TOXICOLOGICAL INFORMATION:

HEALTH WARNINGS:
INHALATION. Headache SKIN CONTACT. May cause sensitisation by skin contact. EYE CONTACT. Irritating to eyes. INGESTION. May cause stomach pain or vomiting. May cause severe internal injury. MISCELLANEOUS. Lead is accumulated in the body and may cause damage to the brain and nervous system after prolonged exposure. May cause death or kidney damage if swallowed.

TARGET ORGANS:
Central nervous system. Kidneys.

12. ECOLOGICAL INFORMATION:

ECOLOGICAL INFORMATION:
This product is not biodegradable

13. DISPOSAL CONSIDERATIONS:

GENERAL/CLEANING:
WASTE PRODUCT SHOULD BE DISPOSED OF VIA REGISTERED WASTE DISPOSAL COMPANY

DISPOSAL METHODS:
Dispose of in accordance with Local Authority requirements. Whenever possible unwanted solder should be sent for recycling.

14. TRANSPORT INFORMATION:

GENERAL: NOT CLASSIFIED IN RID/ADR OR IATA
ROAD TRANSPORT:
ADR CLASS No.: Not classified for transportation.

SEA TRANSPORT:
MARINE POLLUTANT: No.

15. REGULATORY INFORMATION:

LABEL FOR SUPPLY:

NL No label required

RISK PHRASES:

R-20/22 Harmful by inhalation and if swallowed.
R-33 Danger of cumulative effects.

SAFETY PHRASES:

S-20 When using do not eat or drink.
S-13 Keep away from food, drink and animal feeding stuffs.
S-23 Do not breathe gas/fumes/vapour/spray.

UK REGULATORY REFERENCES:

The Control of Lead at Work Regulations 2002 The Control of Substances
Hazardous to Health Regulations 1988.

16. OTHER INFORMATION:

REVISION DATE:

February 2004

REV. No./REPL. SDS GENERATED:

2

SDS No.:

NITRO FLO 16/2

R-PHRASES (Full Text)

Not classified.

THIS SDS IS PRODUCED WITH SAFECEM for WINDOWS