

SAFETY DATA SHEET

YELLOW OUT

1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY

PRODUCT NAME: YELLOW OUT

SUPPLIER: Nexus/H UK Ltd
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2 COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENT NAME	EINECS No.	CAS No.	CONTENTS	SYMBOL	RISK (R No.)
SODIUM DITHIONITE	231-890-0	7775-14-6	60-100 %	Xn	7, 22, 31

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

3 HAZARDS IDENTIFICATION

Harmful if swallowed.
May cause fire.

4 FIRST AID MEASURES

GENERAL: Treat symptomatically.

INHALATION: Move the exposed person to fresh air at once. Get medical attention. Provide rest, warmth and fresh air.

INGESTION: DO NOT INDUCE VOMITING! Rinse mouth thoroughly. Drink plenty of water. Get medical attention.

SKIN: Remove contaminated clothing. Wash the skin immediately with soap and water.

EYES: 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: Foam. Dry chemicals, sand, dolomite etc. Water. DO NOT use water spray/mist/fog

SPECIAL FIRE FIGHTING PROCEDURES: Move container from fire area if it can be done without risk. Cool containers exposed to flames with water until well after the fire is out. Keep run-off water out of sewers and water sources. Dike for water control.

UNUSUAL FIRE & EXPLOSION HAZARDS: May assist fire.

HAZARDOUS DECOMPOSITION PRODUCTS: Fire creates: Sulphurous gases (SO_x).

PROTECTIVE MEASURES IN FIRE: Wear self-contained breathing apparatus and appropriate protective clothing.

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6 ACCIDENTAL RELEASE MEASURES

SPILL CLEANUP METHODS: Wear necessary protective equipment. Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Ventilate. Keep combustibles away from spilled material. Sweep up and place into appropriate container. Flush with plenty of water to clean spillage area. Do not let washing down water contaminate ponds or waterways.

7 HANDLING AND STORAGE

USAGE PRECAUTIONS: Avoid spilling, skin and eye contact. Keep away from heat, sparks and open flame. Avoid handling which leads to dust formation.

STORAGE PRECAUTIONS: Keep in cool, dry, ventilated storage and closed containers. Keep containers tightly closed.

8 EXPOSURE CONTROLS AND PERSONAL PROTECTION

PROTECTIVE EQUIPMENT:



VENTILATION: Well ventilated area.

RESPIRATORS: If excessive contamination exists wear suitable Dust Mask

PROTECTIVE GLOVES: Use suitable protective gloves if risk of skin contact. Confirmation of materials/advice should be sought from glove suppliers.

EYE PROTECTION: Use tight fitting goggles if dust is generated.

HYGIENIC WORK ROUTINES: DO NOT SMOKE IN WORK AREA! Promptly remove any clothing that becomes contaminated. Wash promptly with soap & water if skin becomes contaminated. No eating or drinking while working with this material.

9 PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE:	Powder.	COLOUR:	White.
ODOUR/TASTE:	Pungent.		
SOLUBILITY VALUE (g/100g H₂O/20°C):	25 (decomposes)		
MELTING POINT (°C):	100 - (decomposition)	SPECIFIC GRAVITY (Water=1):	2.4 @ 20 °C
BULK DENSITY:	1350kg/m ³	pH-VALUE:	~8
CONCENTRATION (%M):	2	FLASH POINT (°C):	>100
FLASH POINT METHOD:	DIN 51758		
AUTO IGNITION TEMPERATURE (°C):	>100		
PARTITION COEFF. (Water/Octanol):	<- 4.7		

10 STABILITY AND REACTIVITY

STABILITY: Normally stable.

CONDITIONS TO AVOID: Avoid contact with acids. Avoid moisture. Avoid temperatures above 80°C.

HAZARDOUS DECOMPOSITION PRODUCTS: Fire creates: Sulphurous gases (SO_x).

11 TOXICOLOGICAL INFORMATION

TOXIC DOSE1- LD50: 2500mg/kg (oral rat)
INGESTION: Harmful if swallowed.

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EYES: Particles in the eyes may cause irritation and smarting.

MEDICAL CONSIDERATIONS: Chronic respiratory and obstructive airway diseases. Allergies.

12 ECOLOGICAL INFORMATION

LC50 96 HRS FISH (mg/Kg): 10 - 100 *Leuciscus idus*
EC50 48 HRS DAPHNIA (mg/l): 46.4 *Leuciscus idus*
ENVIRONMENTAL HAZARDS: The product should not be allowed to enter drains or water courses or be deposited where it can affect ground or surface waters.
The information in this section is based on products of similar structure and composition.

DEGRADABILITY: COD value: 210 mg O₂/g sodium dithionite.

13 DISPOSAL CONSIDERATIONS

DISPOSAL METHODS: Dispose of in accordance with Local Authority requirements.

14 TRANSPORT INFORMATION

LABEL FOR CONVEYANCE:



ROAD:
UN No: 1384
HAZARD CLASS (ADR): Division 4.2: Substances liable to spontaneous combustion.
ADR CLASS No: 4.2
MARGINAL: 2431
HAZCHEM CODE: 1S
PROPER SHIPPING NAME I: SODIUM HYDROSULPHITE

ADR ITEM No: 13(b)
ADR LABEL No: 4.2
CEFIC TEC(R) No: 42G15

RAIL:
RAIL TRANSPORT CLASS No: 4.2
RAILROAD PT: 13(b)

SEA:
UN SEA: 1384
SEA PACK GR: II
MFAG Table No: See Guide.

SEA TRANSPORT CLASS No: 4.2
EmS No.: 4.2-04
MARINE POLLUTANT: No.

AIR:
UN AIR: 1384
AIR PACK GR: II

AIR TRANSPORT CLASS No: 4.2

15 REGULATORY INFORMATION

LABEL FOR SUPPLY:



HARMFUL

RISK PHRASES: R-22 Harmful if swallowed.
R-31 Contact with acids liberates toxic gas.
R-7 May cause fire.

SAFETY PHRASES: S-2 Keep out of reach of children.
S-26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S-28 After contact with skin, wash immediately with plenty of water.

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S-43A	In case of fire, use copious amounts of water.
S-46	If swallowed seek medical advice immediately and show this container label.
S-7/8	Keep container tightly closed and dry.

STATUTORY INSTRUMENTS: Control of Substances Hazardous to Health.
Chemicals (Hazard Information and Packaging) Regulations.

GUIDANCE NOTES: CHIP for everyone HSG(108).
Occupational Exposure Limits EH40.

16 OTHER INFORMATION

INFORMATION SOURCES: Quick Selection Guide to Chemical Protective Clothing

REVISION DATE: 11-2002

R-PHRASES (Full Text):

R-7	May cause fire.
R-22	Harmful if swallowed.
R-31	Contact with acids liberates toxic gas.