

MATERIAL SAFETY DATA SHEET – USA VERSION**Surfzyme – HD Concentrate****1. IDENTIFICATION OF SUBSTANCE/PREPARATION & THE COMPANY**

PRODUCT NAME: Surfzyme – HD Concentrate

PART NUMBER: 50000, 50005, 50055-New & 50250-New

MANUFACTURER: ZYMO USA Inc.
PO Box 9240
Fleming Island, FL 32006
Tel: (00)-1-904-213-7994
Fax: (00)-1-206-350-2871

2. COMPOSITION / INFORMATION ON INGREDIENTS

INGREDIENT NAME:	CAS No.:	CONTENT:	SYMBOL:	RISK:
Proprietary Surfactant	Mixture	100%	Xi	R-41

3. HAZARDS IDENTIFICATION

Irritant: risk of damage to eyes

4. FIRST AID MEASURES

INHALATION: Provide fresh air, warmth and rest, preferably in a comfortable upright sitting position.

INGESTION: Promptly get affected personnel to drink large volumes of water to dilute the swallowed chemical. DO NOT induce vomiting. Get medical attention immediately.

SKIN: Promptly wash contaminated skin with soap or mild detergent and water. Promptly remove clothing if soaked through and wash as above. Get medical attention promptly if symptoms occur after washing.

EYES: Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes. Contact physician if irritation persists.

5. FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA: This material is not combustible. Use extinguishing media appropriate for surrounding fire.

SPECIAL FIRE FIGHTING PROCEDURES: No specific fire fighting procedure given.

UNUSUAL FIRE & EXPLOSION HAZARDS: No unusual fire or explosion hazards noted.

HAZARDOUS COMBUSTION PRODUCTS: Carbon dioxide (CO₂). Carbon monoxide (CO). Oxides of: Nitrogen.

PROTECTIVE MEASURES IN FIRES: As in any fire, wear an approved, positive-pressure, self-contained breathing apparatus and full protective gear.

6. ACCIDENTAL RELEASE MEASURES:

PERSONAL PRECAUTION IN SPILL: Wear appropriate protective equipment (see Section 8)

SPILL CLEANUP METHODS: Collect for reclamation or absorb in vermiculite, dry sand or similar material. Flush clean with lots of water. Be aware of potential for surfaces to become slippery. Flush to sewer if local regulations permit.



7. HANDLING AND STORAGE

USAGE PRECAUTIONS: Do not freeze. Container must be kept tightly closed. Follow label instructions. Wash thoroughly after handling.

USAGE DESCRIPTION: Degreasing solution.

STORAGE PRECAUTIONS: Store above freezing. Keep containers tightly closed.

8. EXPOSURE CONTROLS, PERSONAL PROTECTION

PROTECTIVE EQUIPMENT:  

VENTILATION: No specific ventilation requirements noted, but forced ventilation may still be required if air contamination exceeds acceptable level.

RESPIRATORS: No specific recommendation made, but respiratory protection may still be required under exceptional circumstances when excessive air contamination exists.

PROTECTIVE GLOVES: Use gauntlet type rubber gloves.

EYE PROTECTION: Wear approved chemical safety goggles where eye exposure is reasonably probable.

OTHER PROTECTION: Wear rubber apron. Provide eyewash station.

HYGIENIC WORK PRACTICES: Wash promptly with soap & water if skin becomes contaminated. Promptly remove any clothing that becomes wet or contaminated. Wash at the end of each work shift and before eating, smoking and using the toilet.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE:	Liquid.	
COLOUR:	Amber	
ODOR/TASTE	Mild	
SOLUBILITY IN WATER:	Soluble	
BOILING POINT (°C, interval):	>100 C	PRESSURE: 760mmHg
pH VALUE, 5% SOLUTION:	6.7	
FLASH POINT (°C):	>100 C	METHOD: PM Closed cup.
DENSITY/SPECIFIC GRAVITY (g/ml):	.99	TEMPERATURE (°C): 25

10. STABILITY AND REACTIVITY

STABILITY: Normally stable.

CONDITIONS TO AVOID: Not known.

HAZARDOUS POLYMERIZATION: Will not polymerize.

MATERIALS TO AVOID: No incompatible groups noted.

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon dioxide (CO₂). Carbon monoxide (CO). Oxides of: Nitrogen. Sulphur.

11. TOXICOLOGICAL INFORMATION

TOXICOLOGICAL INFORMATION: Sensitization. Rat Contact sensitizer

TOXIC DOSE – LD 50: >5000 mg/kg (oral rat)

SKIN: May cause skin irritant.

EYES: Will cause eye irritant.

12. ECOLOGICAL INFORMATION

ECOLOGICAL INFORMATION: No data on possible environmental effects have been found. No short term or long term effect on the environment is expected.

DEGRADABILITY: Biodegradable.

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHODS: Recover and reclaim or recycle, if practical. Dispose of in accordance with Local Authority requirements. Confirm disposal procedures with environmental engineer and local regulations.

14. TRANSPORT INFORMATION

GENERAL: Not regulated for any mode of transport.

ROAD TRANSPORT:

UN No. ROAD: 0

15. REGULATORY INFORMATION

In accordance with the directive 1999/45/EC and 2001/58/EC

LABEL FOR SUPPLY:



RISK PHRASES: R-41 May cause sensitization by skin contact.

SAFETY PHRASES:

S-24 Avoid contact with skin.
S-26 If contact with eyes, rinse immediately and seek medical advice.
S-37 Wear suitable gloves.
S-39 Wear eye/face protection.
S-60 This material and its container must be disposed of as hazardous waste.

16. OTHER INFORMATION

USER NOTES:

To the best of our knowledge, the information contained herein is accurate. However, neither ZYMO USA Inc. nor any of its subsidiaries or agents assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

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