

SAFETY DATA SHEET

i-FINISHER

Revision date: March 1, 2010

Version: B

MSDS number: 10052613

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

PRODUCT NAME	i-FINISHER		
SUPPLIER	Glunz & Jensen A/S Haslevvej 13 DK-4100 Ringsted Denmark +45 5768 8181 (9:00-17:00) +45 5768 8340 gjhq@glunz-jensen.com	MANUFACTURER	See Supplier
INTERNAL ID	Product Code: 39193		
APPLICATION	For use as a plate finisher solution.		
EMERGENCY TELEPHONE	For Chemical Emergency Spill Leak Fire Exposure or Accident Call CHEMTOX-TROTTERS day or night: International call: 0045 4011 4300, +45 4011 4300, or 011 45 4011 4300 (US and Canada).		

2 HAZARDS IDENTIFICATION

Irritating to eyes. May cause sensitisation by skin contact. Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

CLASSIFICATION (1999/45) Xi;R36. R43. R52/53.

3 COMPOSITION/INFORMATION ON INGREDIENTS

Name	EC No.	CAS-No.	Content	Classification (67/548)
2,4,7,9-TETRAMETHYL-5-DECYNE-4,7-DIOL	204-809-1	126-86-3	1-5%	Xi;R36. R52/53.
Benzenesulfonic acid, dodecyl (sulphophenoxy) -,disodium salt	249-063-8	28519-02-0	1-5%	Xi;R41. N;R51/53.
Benzenesulphonic acid, oxybis (dodecyl) -, disodium salt.	246-688-8	25167-32-2	1-5%	Xi;R41. N;R51/53.
Citric Acid	201-069-1	77-92-9	1-5%	Xi;R36/37/38.
Glycerine	200-289-5	56-81-5	1-5%	-
METHYL-2H or METHYL-4 (3:1) Mixture of EC NO 220-239-6		55965-84-9	< 1	T;R23/24/25 C;R34 R43 N;R50/53
Mono Propylene Glycol USP	200-338-0	57-55-6	5-10%	-
PHOSPHORIC ACID ...%	231-633-2	7664-38-2	1-5%	C;R34

The Full Text for all R-Phrases are Displayed in Section 16

4 FIRST-AID MEASURES

INHALATION

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

INGESTION

DO NOT INDUCE VOMITING! Rinse mouth thoroughly. Drink plenty of water. Get medical attention if any discomfort continues.

SKIN CONTACT

Remove affected person from source of contamination. Wash the skin immediately with soap and water. Get medical attention if irritation persists after washing.

EYE CONTACT

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. Get medical attention if any discomfort continues.

5 FIRE-FIGHTING MEASURES

i-FINISHER**EXTINGUISHING MEDIA**

This product is not flammable. Use fire-extinguishing media appropriate for surrounding materials.

6 ACCIDENTAL RELEASE MEASURES**SPILL CLEAN UP METHODS**

Wash thoroughly after dealing with a spillage. Absorb in vermiculite, dry sand or earth and place into containers. Runoff or release to sewer, waterway or ground is forbidden.

7 HANDLING AND STORAGE**USAGE PRECAUTIONS**

Avoid spilling, skin and eye contact.

STORAGE PRECAUTIONS

Store in tightly closed original container in a dry and cool place.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Name	Std	TWA - 8 hrs		STEL - 15 min		Notes
Glycerine	WEL		10 mg/m ³			
Mono Propylene Glycol USP	WEL	150 ppm	474 mg/m ³			
PHOSPHORIC ACID ...%	WEL		1 mg/m ³		2 mg/m ³	

INGREDIENT COMMENTS

Glycerine exposure limit is for Glycerol mist.

PROTECTIVE EQUIPMENT**ENGINEERING MEASURES**

No particular ventilation requirements.

RESPIRATORY EQUIPMENT

No specific recommendation made, but respiratory protection must be used if the general level exceeds the recommended occupational exposure limit.

HAND PROTECTION

Chemical resistant gloves required for prolonged or repeated contact.

EYE PROTECTION

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

OTHER PROTECTION

Wear appropriate clothing to prevent any possibility of skin contact.

HYGIENE MEASURES

Wash at the end of each work shift and before eating, smoking and using the toilet. Wash promptly if skin becomes wet or contaminated. Promptly remove any clothing that becomes contaminated. Use appropriate skin cream to prevent drying of skin. When using do not eat, drink or smoke. **DO NOT SMOKE IN WORK AREA!**

9 PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	Clear liquid		
COLOUR	Light (or pale) Yellow		
ODOUR	No characteristic odour.		
SOLUBILITY	Soluble in water.		
BOILING POINT (°C)	>100 @ 760 mm Hg	RELATIVE DENSITY	1.08 @ 20°C
VAPOUR PRESSURE	17 mm Hg @ 20°C	VOLATILE BY VOL. (%)	81
pH-VALUE, CONC. SOLUTION	2.6-2.8	FLASH POINT (°C)	N/A
VOLATILE ORGANIC COMPOUND (VOC)	0% by Mass		

10 STABILITY AND REACTIVITY

i-FINISHER**STABILITY**

Stable under normal temperature conditions.

CONDITIONS TO AVOID

Strong alkalis. Avoid excessive heat for prolonged periods of time.

HAZARDOUS POLYMERISATION

Will not polymerise.

HAZARDOUS DECOMPOSITION PRODUCTS

Fire creates: Carbon monoxide (CO). Carbon dioxide (CO₂). Sulphurous gases (SO_x).

11 TOXICOLOGICAL INFORMATION**INHALATION**

May cause irritation to the respiratory system.

INGESTION

May cause discomfort if swallowed.

SKIN CONTACT

May cause sensitisation by skin contact.

EYE CONTACT

Irritating to eyes.

HEALTH WARNINGS

This substance is a moderate irritant.

MEDICAL SYMPTOMS

Irritation of eyes and mucous membranes. Skin irritation.

12 ECOLOGICAL INFORMATION**ECOTOXICITY**

Not known. The product contains a substance which is toxic to aquatic organisms and which may cause long term adverse effects in the aquatic environment. The product contains a substance which is very toxic to aquatic organisms and which may cause long term adverse effects in the aquatic environment. The product contains a substance which is harmful to aquatic organisms and which may cause long term adverse effects in the aquatic environment. The product may affect the acidity (pH-factor) in water with risk of harmful effects to aquatic organisms.

13 DISPOSAL CONSIDERATIONS**DISPOSAL METHODS**

Dispose of waste and residues in accordance with local authority requirements.

14 TRANSPORT INFORMATION**GENERAL**

The product is not covered by international regulation on the transport of dangerous goods (IMDG, IATA, ADR/RID).

No transport warning sign required.

15 REGULATORY INFORMATION**LABELLING**

Irritant

CONTAINS

METHYL-2H or METHYL-4 (3:1) Mixture of EC NO 220-239-6

RISK PHRASES

R36	Irritating to eyes.
R43	May cause sensitisation by skin contact.
R52/53	Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

SAFETY PHRASES

S24/25	Avoid contact with skin and eyes.
S26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S37	Wear suitable gloves.

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S61

Avoid release to the environment. Refer to special instructions/safety data sheets.

EU DIRECTIVES

System of specific information relating to Dangerous Preparations. 2001/58/EC.

APPROVED CODE OF PRACTICE

Classification and Labelling of Substances and Preparations Dangerous for Supply. Safety Data Sheets for Substances and Preparations.

GUIDANCE NOTES

Workplace Exposure Limits EH40. CHIP for everyone HSG(108).

16 OTHER INFORMATION

INFORMATION SOURCES

Croner's: Dangerous Substances. Croner's: Emergency Spillage Guide. Croner's: Emergency First Aid Guide. Croner's: Substances Hazardous to Health. Material Safety Data Sheet, Misc. manufacturers.

REVISION COMMENTS

NOTE: Lines within the margin indicate significant changes from the previous revision.

ISSUED BY

J Waterfield

RISK PHRASES IN FULL

R34	Causes burns.
R52/53	Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R36/37/38	Irritating to eyes, respiratory system and skin.
R36	Irritating to eyes.
R43	May cause sensitisation by skin contact.
NC	Not classified.
R41	Risk of serious damage to eyes.
R23/24/25	Toxic by inhalation, in contact with skin and if swallowed.
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R50/53	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

DISCLAIMER

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.