

Material Safety Data Sheet

according to 1907/2006/EC, Article 31

Revision date: May 4th, 2015

Version: B

MSDS number: 10071773

1. IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND OF THE COMPANY / UNDERTAKING

Product Name: i-Finisher
Product Code: 10071596, 10071769
Product Use: For plate protection use
Manufacturer: Glunz & Jensen A/S
Selandia Park 1
DK - 4100 Ringsted
Denmark
Phone: +45 5768 8181
Fax: +45 5768 8340
E-mail: gjhq@glunz-jensen.com

Emergency phone number: For Chemical Emergency Spill Leak Fire Exposure or Accident Call
NATIONAL POISONS EMERGENCY day or night: +44 870 600 6266

2. HAZARDS IDENTIFICATION

Classification of the substance or mixture:

Classification according to Regulation (EC 1272/2008):

Physical and chemical hazards: Not classified.

Human health: Eye Irrit. 2 - H319. Causes serious eye irritation.



GHS07

Classification according to Directive (1999/45/EC) or Directive (67/548/EEC) :

Not applicable.

Information concerning particular hazards for human and environment:

The product does not have to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.

Classification system:

The classification is according to the latest editions of the EU-lists, and extended by company and literature data.

Label elements:

Labelling according to EU guidelines:

Observe the general safety regulations when handling chemicals. The product is not subject to identification regulations under EU Directives and the Ordinance on Hazardous Materials.

Special labelling of certain preparations:

Safety data sheet available for professional user on request.

Other hazards:




















Results of PBT and vPvB assessment:

PBT: Not applicable.

vPvB: Not applicable.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Mixtures:

Name	EINECS No.	CAS No.	Content	Classification EC 1272/2008	Classification 67/548/EEC
Benzene, 1,1'-oxybis-, tetrapropylene derivs., sulfonated, sodium salts	-	119345-04-9	1-<2.5%	 Aquatic Chronic 2 - H411  Skin Irrit. 2 - H315  Eye Irrit. 2 - H319	 Xi; R36/38  N; R51/53
Propan-2-ol	200-661-7	67-63-0	3-<10%	 Flam.Lig. 2 - H225  Eye Irrit. 2 - H319  Stot. Se. 3 - H336	 Xi; R36  F; R11
Sodium dodecyl sulphate	205-788-1	151-21-3	1- 2.5%	 Accute Tox. 4 - H302 Accute Tox. 4 -H312  Skin Irrit. 2 - H315  Eye Irrit. 2 - H319	 Xn; R21/22  Xi; R36/38
Phosphoric acid 75%	231-633-2	7664-38-2	1- 2.5%	 Skin Corr. 1B - H314	 C; R34
Tensid	-	-	1- 2.5%	 Eye Irrit. 2 - H319	 Xi; R36

The full text for all risk phrases and hazard statements are displayed in section 16.

4. FIRST AID MEASURES

Description of first aid measures:

General information:

No special measures required.

After inhalation:

Supply fresh air; consult doctor in case of complaints.

After swallowing:

If symptoms persist consult doctor.

After skin contact:

Generally the product does not irritate the skin.

After eye contact:

Rinse opened eyes for several minutes under running water.

Most important symptoms and effects, both acute and delayed:

No further relevant information available.

Indication of any immediate medical attention and special treatment needed:

No further relevant information available.

5. FIREFIGHTING MEASURES

Extinguishing media:

Suitable extinguishing agents:

CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

Special hazards arising from the substance or mixture:

No further relevant information available.

Advice for firefighters:

Protective equipment for fire-fighters:

No special measures required.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures:

Not required.

Environmental precautions:

Dilute with plenty of water.

Methods and material for containment and cleaning up:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Reference to other sections:

See section 7 for information on safe handling.

See section 8 for information on personal protection equipment.

See section 13 for disposal information.

7. HANDLING AND STORAGE

Handling:

Precautions for safe handling:

No special measures required.

Information about fire and explosion protection:

No special measures required.

Conditions for safe storage, including any incompatibilities:

Storage:

Requirements to be met by storerooms and receptacles:

No special measures required.

Information about storage in one common storage facility:

Not required.

Further information about storage conditions:

None.

Specific end use(s):

No further relevant information available.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Additional information about design of technical facilities:

No further data; see item 7.

Control parameters:

Ingredients with limit values that require monitoring at the workplace	WEL
57-55-6 Propandiol-1,2-diol (10-<25%)	Long-term value: 474* mg/m ³ , 10* mg/m ³ ; 150* ppm; *total vapour and particulates; **particulates;
67-63-0 Propan-2-ol (3-<10%)	Short-term value: 1250 mg/m ³ ; 500 ppm; Long-term value: 999 mg/m ³ , 400 ppm;

WEL = Workplace Exposure Limits

Additional information:

The lists valid during the making were used as basis.

Exposure controls:

Personal protective equipment:

General protective and hygienic measures:

The usual precautionary measures are to be adhered to when handling chemicals.

Respiratory equipment:

Not necessary if room is well-ventilated.

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.

Hand protection:



Synthetic rubber gloves.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.

Material of gloves:

Nitrile rubber, NBR.

Recommended thickness of the material: 0.4 mm.

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.

Penetration time of glove material:

The exact break through time out by the has to be found out by the manufacturer of the protective gloves and has to be observed.

Eye protection:

Goggles recommended during refilling.



9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties:

Appearance:

Form: Liquid.
Color: Light yellow.

Odour: Characteristic.

Odour threshold: Not determined.

ph-value at 20°C: 2.5

Change in condition:

Melting point/Melting range: Undetermined.
Boiling point/Boiling range: 82 °C

Flash point: Not applicable.

Flamability (solid, gaseous): Not applicable.

Ignition temperature: 371 °C

Decomposition temperature: Not determined.

Self-igniting: Product is not selfigniting.

Danger of explosion: Product does not present an explosion hazard.

Explosion limit:

Lower: 2.6 Vol%
Upper: 12.6 Vol%

Vapour pressure at 20°C: 23 hPa

Density at 20°C: 1.028 g/cm³

Relative density: Not determined.

Vapour density:	Not determined.
Evaporation rate:	Not determined.
Solubility in/Miscibility in water:	Fully miscible.
Partition coefficient (n-octanol/water):	Not determined.
Viscosity:	
Dynamic:	Not determined.
Kinematic:	Not determined.
Solvent content:	
VOC(EC):	23.85 %
Other information:	No further relevant information available.

10. STABILITY AND REACTIVITY

Reactivity:

Chemical stability:

Thermal decomposition/conditions to be avoided:

No decomposition if used according to specifications.

Possibility of hazardous reactions:

No dangerous reactions known.

Conditions to avoid:

No further relevant information available.

Incompatible materials:

No further relevant information available.

Hazardous decomposition products:

No dangerous decomposition products known.

11. TOXICOLOGICAL INFORMATION

Information on toxicological effects:

Accute toxicity:

Primary irritant effect:

<i>on the skin:</i>	No irritant effect.
<i>on the eye:</i>	No irritating effect.

Sensitization:

No sensitizing effects known.

Additional toxicological information:

The product is not subject to classification according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version.

When used and handled according to specifications, the product does not have any harmful effects to our experience and the information provided to us.

12. ECOLOGICAL INFORMATION

Toxicity:

Aquatic toxicity:

No further relevant information available.

Persistence and degradability:

No further relevant information available.

Behaviour in environmental systems:

Bioaccumulative potential:

No further relevant information available.

Mobility in soil:

No further relevant information available.

Additional ecological informations:

General notes:

Water hazard class 1: slightly hazardous for water.

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

Results of PBT and vPvB assessment:

PBT: Not applicable.

vPvB: Not applicable.

Other adverse effects:

No further relevant information available.

13. DISPOSAL CONSIDERATIONS

Waste treatment methods:

Recommendation:

Smaller quantities can be disposed of with household waste.

Uncleaned unpacking:

Recommendation:

Disposal must be made according to official regulations.

Recommended cleansing agents:

Water, if necessary together with cleansing agent.

14. TRANSPORT INFORMATION

UN number:

ADR, ADN, IMDG, IATA: Void

UN proper shipping name:

ADR, ADN, IMDG, IATA: Void

Transport hazard class(es):

ADR, ADN, IMDG, IATA: Void

Packing group:

ADR, IMDG, IATA: Void

Environmental hazards:

Marine pollutant: No

Special precautions for user:

Not applicable.

Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:

Not applicable.

UN "Model Regulation":

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15. REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture:

Labelling according to EU guidelines:

Observe the general safety regulations when handling chemicals. The product is not subject to identification regulations under EU Directives and the Ordinance on Hazardous Materials.

Special labelling of certain preparations:

Safety data sheet available for professional user on request.

Chemical Safety Assessment:

A Chemical Safety Assessment has not been carried out.

16. OTHER INFORMATION

Information sources: Material Safety Data Sheet, miscellaneous manufacturers.

Prepared by: Glunz & Jensen external documentation department.

This information is based out on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Relevant phrases :

R11 - Highly flammable.

R21/22 - Harmful in contact with skin and if swallowed.

R22 - Harmful if swallowed.

R34 - Causes burns.

R36 - Irritating to eyes.

R36/38 - Irritating to eyes and skin.

R51/53 - Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R67 - Vapour may cause drowsiness and dizziness.

Hazard statements in full:

H225 - Highly flammable and liquid and vapour.
H302 - Harmful if swallowed.
H312 - Harmful in contact with skin.
H314 - Causes severe skin burns and eye damage.
H315 - Causes skin irritation.
H319 - Causes serious eye irritation.
H336 - May cause drowsiness and dizziness.
H411 - Toxic to aquatic life with long lasting effects.

Abbreviations and acronyms:

ADR:

Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road).

IMDG:

International Maritime for Dangerous Goods.

IATA:

International Air Transport Association.

GHS:

Globally Harmonized System of Classification and Labelling of Chemicals.

EINECS:

European Inventory of Existing Commercial Chemical Substances

ELINCS:

European List of Notified Chemical Substances.

CAS:

Chemical Abstracts Service (division of the American Chemical Society).

VOC:

Volatile Organic Compounds(USA,EU).

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.