

SAFETY DATA SHEET

HMIS:

Health- 1 Flammability- 1 Reactivity- 0
 Pers. Protection- N
 WHMIS: B 3, D 2 B

NFPA:

Health- 1 Flammability- 1 Reactivity- 0 Special
 Hazard- N

Section 1: Product and Company Identification

Product: N2C 112, 3D Zyme

Synonyms: Fragrance Free

N2C ApS

Lerbækvej 8

DK-2680 Solrød

+45 43 44 44 00

Emergency/Non-Emergency:

+45 43 44 44 00

Section 2. Hazards Identification

EMERGENCY OVERVIEW

Appearance/Odour:

Opaque white liquid, essential oil aroma

NOT Classified as hazardous by the criteria of NOHSC.



WARNING

Flammability:

Not classified as flammable

Health Hazards Listed:

Not applicable

Ecological Hazards Listed:

None known

Potential Health Effects:

See section 11 for more information.

Risk Phrases:

R36/37/38 - Irritating to eyes, respiratory system and skin

Safety

Phrases:

S2 - Keep out of the reach of children

S13 - Keep away from food, drink and animal feeding stuffs

S26 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice

Hazard Phrases:

H303 - May be harmful if swallowed

H305 - May be harmful if swallowed and enters airways

Precautionary

Phrases:

P234 - Keep only in original container.

P233 - Keep container tightly closed.

P235 - Keep cool

SDS for Product: N2C 112, Zyme Fragrance Free.



Likely Routes of Exposure: Not applicable
Eye: Direct exposure can irritate
Skin: Prolonged exposure can irritate
Ingestion: Not expected to be a problem
Inhalation: Not applicable
Medical Conditions Aggravated By Exposure: Allergies to fragrances
Target Organs: None known

This product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP. The OSHA Hazard Communication Standard does not consider this material hazardous (29 CFR 1910.1200).

Potential Environmental Effects: (See section 12 for more information.) None known

Section 3. Composition/Information on Ingredients

Component	CAS#	% by Weight	WHIS Controlled
Water	7732-18-5	80 - 100	N
Bacteria Culture	none	3.0-5.0	N
Non-ionic Surfactant	NA	3-5	Y
Opacifier	NA	0.1 - 1.0	N
Essential Oil Blend	none	0.1-0.7	N

Section 4. First Aid Measures

Eye Contact: Flush eyes with copious amounts of clean water, holding lids apart. If irritation persists, consult a physician.
Skin Contact: Wash with soap and water.
Inhalation: Remove to fresh air.
Ingestion: Give water or milk to drink if conscious.
Note to Physicians:

Section 5. Fire Fighting Measures

Suitable Extinguishing Media: Water
Unsuitable Extinguishing Media: None known
Products of Combustion: Oxides of carbon and nitrogen
Protection of Firefighters: As for surrounding fire

SDS for Product: N2C 112, Zyme Fragrance Free.



Section 6. Accidental Release Measures

Personal Precautions: Avoid contact with eyes and skin
Environmental Precautions: Keep out of surface waters
Methods for Containment: Dike with sand, clay or other suitable material
Methods for Clean-Up: Absorb on sand, clay or other suitable material or mop up with water.
Other Information:

Section 7. Handling and Storage

HANDLING

Normal care. Keep closed when not in use.

STORAGE

Keep in room temperature avoid freezing and extreme temperatures over 70 C

Section 8. Exposure Controls/Personal Protection

EXPOSURE GUIDELINES

COMPONENT:	TWA:	LD-50
Water	Not applicable	Not applicable
Bacteria Culture	None established	Not determined
Non-ionic Surfactant	NA	NA
Opacifier	None established	Not determined
Essential Oil Blend	None established	Not determined

Engineering Controls: Not normally necessary
Eye/Face Protection: Protective goggles if handling large quantities
Skin Protection: Rubber or other protective gloves if handling large quantities
Respiratory Protection: Not normally necessary
General Hygiene Considerations: Reasonable care. Keep out of food and beverages

Section 9. Physical and Chemical Properties

Color: White, opaque	Odour: Essential Oil aroma
Physical State: Liquid	Odour Treshhold:
pH: 6.5 - 8.5	Freezing Point: Not determined
Evaporation Rate: As water	Boiling Point: >93 C
Flash Point: >205 F PMCC	Flammability(solid,gas): Not applicable
Upper Flammability Limit: Not determined	Lower Flammability Limit: Not determined
Vapor Pressure: As water	Specific Gravity: 1
Vapor Density: Not determined	Auto-ignition Temperature: Not determined
Volatile Organic Compound (VOC),%weight:	Solubility (water): Soluble
CARB Compliant	Percent Volatile: More than 95% including water



Section 10. Stability and Reactivity

Stability: Stable
Conditions to Avoid: None known
Incompatible Materials: None known
Hazardous Decomposition Products: None known
Possibility of Hazardous Reactions: Extremely unlikely

Section 11. Toxicology Information

ACCUTE EFFECTS

Oral LD50: Not evaluated as a mixture.
Dermal LD50: Not determined for mixture.
Inhalation: Not determined. No significant concentration of any toxic volatile substances.
Eye Irritation: Direct contact can irritate eyes.
Skin Irritation: Prolonged or repeated contact can irritate skin.
Sensitization: None known

CHRONIC EFFECTS

Carcinogenicity: None known
Mutagenicity: None known Reproductive
Effects: None known Developmental
Effects: None known

Section 12. Ecological Information

Eco toxicity: Not applicable
Persistence/Degradability: Biodegradable
Bioaccumulation/Accumulation: Not applicable
Mobility in Environment: Not applicable

Section 13. Disposal Considerations

Disposal: Dispose in accordance with Federal, State or Provincial, and Local regulations

Section 14. Transportation Information

US DOT (ground) Proper Shipping Description: Not a Hazardous Material
CANADA TDG (ground) Proper Shipping Description: Not a Dangerous Good
ICAO (air) Proper Shipping Description: Not a Dangerous Good
IMDG (water) Proper Shipping Description: Not a Dangerous Good



Section 15. Regulatory Information

Global Inventories

TSCA:	United States	Included
DSL:	Canada	Included
ECL:	Korea	Not-Known
PICCS:	Philippines	Not-Known
ENCS:	Japan	Not-Known
AICS:	Australia	Included
IECS:	China	Not-Known
EINECS:	European Union	Included

SARA 313 Information: No SARA 313 chemicals present at reportable levels

California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65) No Proposition 65 substances present at reportable levels

WHMIS: Canadian Workplace Hazardous Material Information System B 3, D 2 B

Section 16. Other Information

Legends:

NFPA, HMIS:

0=Minimal Hazard, 1=Slight Hazard, 2=Moderate Hazard, 3=Severe Hazard, 4=Extreme Hazard

Prepared By: Technical Dept.

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Further information: N2C ApS. Lerbækvej 8, DK-2680 Solrød +45 43 44 44 00