

SAFETY DATA SHEET

NALSPERSE® 7348

Section: 1. PRODUCT AND COMPANY IDENTIFICATION

Product name : NALSPERSE® 7348

Other means of identification : Not applicable.

Recommended use : DISPERSANT AND DETERGENT

Restrictions on use : Refer to available product literature or ask your local Sales Representative for restrictions on use and dose limits.

Company : ECOLAB PTE LTD
21 Gul Lane, Singapore 629416
TEL: 65- 6505-6868
FAX: 65-6862 0850

Emergency telephone number : +65 6542 9595

Issuing date : 04.08.2016

Section: 2. HAZARDS IDENTIFICATION

GHS Classification

Not a hazardous substance or mixture.

Precautionary Statements : **Prevention:**
Wash hands thoroughly after handling.
Response:
Specific measures: consult SDS Section 4.
Storage:
Store in accordance with local regulations.

Other hazards : None known.

Section: 3. COMPOSITION/INFORMATION ON INGREDIENTS

Pure substance/mixture : Substance

No hazardous ingredients

Section: 4. FIRST AID MEASURES

In case of eye contact : Rinse with plenty of water. Get medical attention if symptoms occur.

In case of skin contact : Wash off with soap and plenty of water. Get medical attention if symptoms occur.

If swallowed : Rinse mouth. Get medical attention if symptoms occur.

If inhaled : Get medical attention if symptoms occur.

Protection of first-aiders : In event of emergency assess the danger before taking action. Do not put yourself at risk of injury. If in doubt, contact emergency responders. Use personal protective equipment as required.

Notes to physician : Treat symptomatically.

SAFETY DATA SHEET

NALSPERSE® 7348

Most important symptoms and effects, both acute and delayed : See Section 11 for more detailed information on health effects and symptoms.

Section: 5. FIREFIGHTING MEASURES

Suitable extinguishing media : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media : None known.

Specific hazards during firefighting : Not flammable or combustible.

Hazardous combustion products : Decomposition products may include the following materials: Carbon oxides

Special protective equipment for firefighters : Use personal protective equipment.

Specific extinguishing methods : Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

Section: 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures : Refer to protective measures listed in sections 7 and 8.

Environmental precautions : Do not allow contact with soil, surface or ground water.

Methods and materials for containment and cleaning up : Stop leak if safe to do so. Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13). Flush away traces with water. For large spills, dike spilled material or otherwise contain material to ensure runoff does not reach a waterway.

Section: 7. HANDLING AND STORAGE

Advice on safe handling : Do not ingest. Wash hands thoroughly after handling.

Conditions for safe storage : Keep out of reach of children. Keep container tightly closed. Store in suitable labelled containers.

Suitable material : Keep in properly labelled containers.

Unsuitable material : not determined

Section: 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters

Contains no substances with occupational exposure limit values.

Biological occupational exposure limits : Not applicable

SAFETY DATA SHEET

NALSPERSE® 7348

Engineering measures : Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

Personal protective equipment

Eye protection : Safety glasses

Hand protection : Wear the following personal protective equipment:
Rubber gloves
Gloves should be discarded and replaced if there is any indication of degradation or chemical breakthrough.

Skin protection : Wear suitable protective clothing.

Respiratory protection : No personal respiratory protective equipment normally required.

Hygiene measures : Handle in accordance with good industrial hygiene and safety practice. Remove and wash contaminated clothing before re-use. Wash face, hands and any exposed skin thoroughly after handling.

Section: 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : Liquid

Colour : colourless

Odour : Somewhat sweet

Flash point : 235 °C, Method: ASTM D 93, Pensky-Martens closed cup

pH : 5.0 - 8.0, 2.5 %, (25 °C)

Odour Threshold : no data available

Melting point/freezing point : no data available

Initial boiling point and boiling range : > 93.3 °C

Evaporation rate : no data available

Flammability (solid, gas) : no data available

Upper explosion limit : no data available

Lower explosion limit : no data available

Vapour pressure : < 0.1 mm Hg, (20 °C),

Relative vapour density : no data available

Relative density : 1.0 - 1.04, (20 °C), ASTM D-1298

Density : no data available

Water solubility : dispersible

Solubility in other solvents : no data available

Partition coefficient: n-octanol/water : no data available

Auto-ignition temperature : no data available

Thermal decomposition temperature : no data available

Viscosity, dynamic : 273 mPa.s (25 °C), Method: ASTM D 2983

Viscosity, kinematic : 176.65 mm²/s

SAFETY DATA SHEET

NALSPERSE® 7348

Molecular weight : no data available
VOC : no data available

Section: 10. STABILITY AND REACTIVITY

Chemical stability : Stable under normal conditions.

Possibility of hazardous reactions : No dangerous reaction known under conditions of normal use.

Conditions to avoid : None known.

Incompatible materials : Contact with strong oxidizers (e.g. chlorine, peroxides, chromates, nitric acid, perchlorate, concentrated oxygen, permanganate) may generate heat, fires, explosions and/or toxic vapors.

Hazardous decomposition products : Decomposition products may include the following materials:
Carbon oxides

Section: 11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure : Inhalation, Eye contact, Skin contact

Potential Health Effects

Eyes : Health injuries are not known or expected under normal use.

Skin : Health injuries are not known or expected under normal use.

Ingestion : Health injuries are not known or expected under normal use.

Inhalation : Health injuries are not known or expected under normal use.
Health injuries are not known or expected under normal use.

Chronic Exposure : Health injuries are not known or expected under normal use.

Experience with human exposure

Eye contact : No symptoms known or expected.

Skin contact : No symptoms known or expected.

Ingestion : No symptoms known or expected.

Inhalation : No symptoms known or expected.

Toxicity

Product

Acute oral toxicity : no data available

Acute inhalation toxicity : no data available

Acute dermal toxicity : no data available

Skin corrosion/irritation : Result: 0.6
Method: Draize Test

SAFETY DATA SHEET

NALSPERSE® 7348

	Test substance: Product
Serious eye damage/eye irritation	: Species: rabbit Result: 2.7 Method: Draize Test Test substance: Product
Respiratory or skin sensitization	: no data available
Carcinogenicity	: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
Reproductive effects	: No reproductive toxic effects expected.
Germ cell mutagenicity	: Contains no ingredient listed as a mutagen
Teratogenicity	: no data available
STOT - single exposure	: Based on available data, the classification criteria are not met.
STOT - repeated exposure	: no data available
Aspiration toxicity	: No aspiration toxicity classification

Human Hazard Characterization

Based on our hazard characterization, the potential human hazard is: Low

Section: 12. ECOLOGICAL INFORMATION

Ecotoxicity

Environmental Effects : This product has no known ecotoxicological effects.

Product

Toxicity to fish : LC50 *Lepomis macrochirus* (Bluegill sunfish): > 1,000 mg/l
Exposure time: 96 hrs
Test substance: Product

LC50 *Oncorhynchus mykiss* (rainbow trout): > 1,000 mg/l
Exposure time: 96 hrs
Test substance: Product

LC50 *Ictalurus punctatus* (channel catfish): > 1,000 mg/l
Exposure time: 96 hrs
Test substance: Product

LC50 *Cyprinodon variegatus* (sheepshead minnow): > 1,000 mg/l
Exposure time: 96 hrs
Test substance: Product

LC50 *Pimephales promelas* (fathead minnow): > 1,000 mg/l
Exposure time: 96 hrs
Test substance: Product

LC50 *Leuciscus idus* (Golden orfe): > 100 mg/l
Exposure time: 96 hrs
Test substance: Product

NOEC *Oncorhynchus mykiss* (rainbow trout): 320 mg/l
Exposure time: 96 hrs

SAFETY DATA SHEET

NALSPERSE® 7348

Test substance: Product

Toxicity to daphnia and other aquatic invertebrates : LC50 Daphnia magna (Water flea): > 1,000 mg/l
Exposure time: 48 hrs
Test substance: Product

LC50 Ceriodaphnia dubia: 240 mg/l
Exposure time: 48 hrs
Test substance: Product

NOEC Daphnia magna (Water flea): 180 mg/l
Exposure time: 48 hrs
Test substance: Product

NOEC Ceriodaphnia dubia: 130 mg/l
Exposure time: 48 hrs
Test substance: Product

Toxicity to algae : LC50 Marine Algae (Skeletonema costatum): > 100 mg/l
Exposure time: 72 hrs
Test substance: Product

Toxicity to bacteria : LC50 Bacteria: > 100 mg/l
Test substance: Product

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : NOEC: 12.5 mg/l
Exposure time: 7 d
Species: Ceriodaphnia dubia
Test substance: Product
Test Type: 3 Brood

LOEC: 25 mg/l
Exposure time: 7 d
Species: Ceriodaphnia dubia
Test substance: Product
Test Type: 3 Brood

EC25 / IC25: 13 mg/l
Exposure time: 7 d
Species: Ceriodaphnia dubia
Test substance: Product
Test Type: 3 Brood

Persistence and degradability

The product is readily biodegradable

Total Organic Carbon (TOC) : 540,000 mg/l

Biochemical Oxygen Demand (BOD):

Incubation Period

Value

Test Descriptor

5 d

3 mg/l

Product

Biological degradation: Approx 60-70% 28 Day Manometric respirometry test OECD 301F

Mobility

The environmental fate was estimated using a level III fugacity model embedded in the EPI (estimation program interface) Suite TM, provided by the US EPA. The model assumes a steady state condition between the total input and output. The level III model does not require equilibrium between the defined media. The information

SAFETY DATA SHEET

NALSPERSE® 7348

provided is intended to give the user a general estimate of the environmental fate of this product under the defined conditions of the models.

If released into the environment this material is expected to distribute to the air, water and soil/sediment in the approximate respective percentages;

Air	:	<5%
Water	:	<5%
Soil	:	> 90%

The portion in water is expected to be soluble or dispersible.

Bioaccumulative potential

This preparation or material is not expected to bioaccumulate.

Other information

no data available

ENVIRONMENTAL HAZARD AND EXPOSURE CHARACTERIZATION

Based on our hazard characterization, the potential environmental hazard is: Low

Section: 13. DISPOSAL CONSIDERATIONS

Disposal methods	:	Where possible recycling is preferred to disposal or incineration. If recycling is not practicable, dispose of in compliance with local regulations. Dispose of wastes in an approved waste disposal facility.
Disposal considerations	:	Dispose of as unused product. Empty containers should be taken to an approved waste handling site for recycling or disposal. Do not re-use empty containers.

Section: 14. TRANSPORT INFORMATION

The shipper/consignor/sender is responsible to ensure that the packaging, labeling, and markings are in compliance with the selected mode of transport.

Land transport

Proper shipping name	:	PRODUCT IS NOT REGULATED DURING TRANSPORTATION
----------------------	---	--

Air transport (IATA)

Proper shipping name	:	PRODUCT IS NOT REGULATED DURING TRANSPORTATION
----------------------	---	--

Sea transport (IMDG/IMO)

Proper shipping name	:	PRODUCT IS NOT REGULATED DURING TRANSPORTATION
----------------------	---	--

Section: 15. REGULATORY INFORMATION

APPLICABLE REGULATIONS, SINGAPORE

Chemical Weapons Prohibition Act
Environmental Protection and Management Act

SAFETY DATA SHEET

NALSPERSE® 7348

Hazardous Waste Act
Misuse of Drugs Act
Strategic Goods Act

FOOD AND DRUG ADMINISTRATION (FDA) Federal Food, Drug and Cosmetic Act :

When use situations necessitate compliance with FDA regulations, this product is acceptable under : 21 CFR 176.180 Components of paper and paperboard in contact with dry foods 21 CFR 176.200 Defoaming Agents used in coatings 21 CFR 176.210 Defoaming agents used in the manufacture of paper and paperboard

Limitations: no more than required to produce intended technical effect. Limitations: no more than required to produce intended technical effect. For use in contact with Food Types I, II, III, VIIA and B, VIII and IX, under Conditions of Use A through H, as described in Tables 1 and 2. Limitations: no more than required to produce intended technical effect.

FEDERAL INSTITUTE FOR RISK ASSESSMENT (BfR) RECOMMENDATION :

This product is In compliance with recommendation BfR XXXVI

Dosage Limit (%)	Dosage Limit (mg/dm ²)	Limitation Qualifier
0.03 %	1 mg/dm ²	product based on dry fiber

This product is certified for Halal by Majelis Ulama Indonesia (MUI) if manufactured at Citeureup Indonesia plant (4120).

INTERNATIONAL CHEMICAL CONTROL LAWS :

TOXIC SUBSTANCES CONTROL ACT (TSCA)

The substances in this preparation are included on or exempted from the TSCA 8(b) Inventory (40 CFR 710)

CANADIAN ENVIRONMENTAL PROTECTION ACT (CEPA)

The substance(s) in this preparation are included in or exempted from the Domestic Substance List (DSL).

AUSTRALIA

All substances in this product comply with the National Industrial Chemicals Notification & Assessment Scheme (NICNAS).

CHINA

All substances in this product comply with the Provisions on the Environmental Administration of New Chemical Substances and are listed on or exempt from the Inventory of Existing Chemical Substances China (IECSC).

JAPAN

All substances in this product comply with the Law Regulating the Manufacture and Importation Of Chemical Substances and are listed on the Existing and New Chemical Substances list (ENCS).

KOREA

All substances in this product comply with the Chemical Control Act (CCA) and are listed on the Existing Chemicals List (ECL)

NEW ZEALAND

All substances in this product comply with the Hazardous Substances and New Organisms (HSNO) Act 1996, and are listed on or are exempt from the New Zealand Inventory of Chemicals.

PHILIPPINES

All substances in this product comply with the Republic Act 6969 (RA 6969) and are listed on the Philippines Inventory of Chemicals & Chemical Substances (PICCS).

Section: 16. OTHER INFORMATION

SAFETY DATA SHEET

NALSPERSE® 7348

Revision Date : 04.08.2016
Version Number : 1.3
Prepared By : Regulatory Affairs

REVISED INFORMATION: Significant changes to regulatory or health information for this revision is indicated by a bar in the left-hand margin of the SDS.

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The 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, unless specified in the text.