SAFETY DATA SHEET

According to Work Health and Safety Regulations 2019 and National Model Code of Practice for the preparation of Safety Data Sheets for Hazardous Chemicals

Version 1.0

Issue date: 20/01/2022

Revision date: 20/01/2022 **SDS Record Number: CSSS-TCO-010-146551**

PREPARE & FINISH

1. Identification of the material and supplier

Material name:	PREPARE & FINISH
Other Names:	-
Recommended use:	Cleansing product.
Manufacturer:	
Supplier(Manufacturer):	Novatech International N.V.
	TEC7* is a registered trademark of Novatech International N.V.
Address:	Industrielaan 5B
	B-2250 Olen
Contact person(E-mail):	info@tec7.be
Telephone:	+32 14 85 97 37
Fax:	+32 14 85 97 38
Emergency number:	+32 14 58 45 45
Importer	
Company name:	Olmurtech
Address:	P.O. BOX 5939
	Brendale DC, QLD. 4500
	Australia
	www.olmurtech.com.au
Contact person(E-mail):	-
Telephone:	+61 0 426 177 310
Fax:	-
Emergency number:	Poisons Information Centre ☎ 13 11 26

2. Hazards identification

GHS classification:

Physical hazards:	Aerosols	Category 3
Health hazards:	Not classified	
Environmental hazards:	Not classified	

GHS label elements:

Hazard Pictograms: :	No hazard pictogram is used.
Signal word:	Warning
Hazard statement:	Pressurized container: may burst if heated

Precautionary statement:

Prevention:	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

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	Do not pierce or burn, even after use.
Response:	Not applicable.
Storage:	Protect from sunlight. Do not expose to temperatures exceeding 50ºC/122ºF.
Disposal:	Not applicable.
Specific hazards:	Not applicable.

3. Composition/information on ingredients

Components	CAS No.	Percent
2-butoxyethanol	111-76-2	⩽7%
propan-2-ol	67-63-0	⩽4%
nitrogen	7727-37-9	⩽2%

4. First aid measures

Inhalation:	Remove victim into fresh air. In case of respiratory problems, consult a doctor/medical service.
Skin:	If possible, wipe up/dry remove chemical. Then rinse/shower immediately with (lukewarm) water.
Eye:	Rinse immediately with (lukewarm) water. Remove contact lenses, if present and easy to do. Continue rinsing. If irritation persists, consult a doctor/medical service.
Ingestion:	Rinse mouth with water. If you feel unwell, consult a doctor/medical service. Do not wait for symptoms to occur to consult Poison Center.
Notes to physician:	Treat symptomatically.

5. Fire-fighting measures

Suitable extinguishing media:	Small fire: Quick-acting ABC powder extinguisher, Quick-acting BC powder extinguisher, Quick-acting class B foam extinguisher, Quick-acting CO2 extinguisher. Major fire: Class B foam (alcohol-resistant), Water spray if puddle cannot expand.
Extinguishing media which must not be used for safety reasons:	Small fire: Water (quick-acting extinguisher, reel); risk of puddle expansion. Major fire: Water; risk of puddle expansion.
Specific hazards arising from the chemical:	Upon combustion: CO and CO2 are formed. Pressurised container: May burst if heated.
Fire Fighting:	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
HAZCHEM code	None.

6. Accidental release measures

Personal precautions:	Stop engines and no smoking. No naked flames or sparks. Spark- and explosion proof appliances and lighting equipment.
Containment procedures:	Contain released product.
Methods for cleaning up:	Take up liquid spill into inert absorbent material. Scoop solid spill into closing containers. Clean contaminated surfaces with an excess of water. Wash clothing and equipment after handling.

7. Handling and storage

Precautions for safe handling:	Keep away from naked flames/heat. Observe normal hygiene standards. Keep container tightly closed.

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Storage: Storage temperature: < 50 °C. Store in a dry area. Keep container in a well-ventilated place. Fireproof storeroom. Keep out of direct sunlight. Protect against frost. Meet the legal requirements. Keep away from: Heat sources, oxidizing agents, reducing agents, (strong) acids, (strong) bases.

8. Exposure controls/personal protection

Control parameters

Occupational exposure limits

Australia. National Workplace OELs (Workplace Exposure Standards for Airborne Contaminants, Appendix A)

Components	Type	Value	
2-butoxyethanol (CAS 111-76-2)	STEL	242 mg/m3 50 ppm	
	TWA	96.9 mg/m3 20 ppm	
propan-2-ol (CAS 67-63-0)	STEL	1230 mg/m3 500 ppm	
	TWA	983 mg/m3 400 ppm	

Australia. OELs. (Adopted National Exposure Standards for Atmospheric Contaminants in the Occupational Environment)

Components	Type	Value	
2-butoxyethanol (CAS 111-76-2)	STEL	242 mg/m3 50 ppm	
	TWA	96.9 mg/m3 20 ppm	

US. ACGIH Threshold Limit Values

Components	Type	Value	
2-butoxyethanol (CAS 111-76-2)	TWA	20 ppm	
propan-2-ol (CAS 67-63-0)	STEL	400 ppm	
	TWA	200 ppm	

UK. EH40 Workplace Exposure Limits (WELs)

Components	Type	Value	
2-butoxyethanol (CAS 111-76-2)	STEL	246 mg/m3 50 ppm	
	TWA	123 mg/m3 25 ppm	
propan-2-ol (CAS 67-63-0)	STEL	1250 mg/m3 500 ppm	
	TWA	999 mg/m3 400 ppm	

Germany. DFG MAK List (advisory OELs). Commission for the Investigation of Health Hazards of Chemical Compounds in the Work Area (DFG)

Components	Type	Value	
2-butoxyethanol (CAS 111-76-2)	TWA	49 mg/m3 10 ppm	
propan-2-ol (CAS 67-63-0)	TWA	500 mg/m3 200 ppm	

Biological limit values:

Germany. TRGS 903, BAT List (Biological Limit Values)

Components	Value	Determinant	Specimen	Sampling Time

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2-butoxyethanol (CAS 111-76-2)	150 mg/g	Butoxyessigsäure (nach Hydrolyse)	Creatinine in urine	*
propan-2-ol (CAS 67-63-0)	25 mg/l 25 mg/l	Aceton Aceton	Urine Blood	* *

* - For sampling details, please see the source document.

ACGIH Biological Exposure Indices

Components	Value	Determinant	Specimen	Sampling Time
2-butoxyethanol (CAS 111-76-2)	200 mg/g	Butoxyacetic acid (BAA), with hydrolysis	Creatinine in urine	*
propan-2-ol (CAS 67-63-0)	40 mg/l	Aceton	Urine	*

* - For sampling details, please see the source document.

Appropriate engineering controls: Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.

Personal protective equipment:

Eye/face protection: Eye protection not required in normal conditions.

Skin protection: Protective clothing (EN 14605 or EN 13034).

Respiratory protection: Respiratory protection not required in normal conditions.

Hand protection: Protective gloves against chemicals (EN 374). Materials: nitrile rubber, Thickness: 0.35 mm, Measured breakthrough time: > 480 minutes.

9. Physical and chemical properties

Appearance:

Physical state: Press-pack Liquid

Form: Press-pack Liquid

Color: Not available

Odor: Characteristic odor

Odour threshold: Not available

PH: 7

Melting point/Freezing point: < 0 °C

Initial boiling point and boiling range: 82 °C - 173 °C

Flash point: > 58 °C

Evaporation rate: 1.3 ; Butyl acetate

Flammability (solid, gas) : Not classified as flammable

Upper/lower flammability or explosive limits: Not available

Vapor pressure: Not available

Vapor density: Not available

Relative density: 1.00 ; 20 °C

Solubility (H_2O) : complete

Partition coefficient (n-octanol/water) : Not available

Auto-ignition temperature: Not available

Decomposition temperature: Not available

Dynamic viscosity: Not available

Kinematic viscosity: Not available

Organic solvents: Not available

Water: Not available

VOC (EC) : Not available

Solids contents: Not available

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Explosive properties:	Not available
Oxidising properties:	Not available
Molecular Formula:	Not available
Molecular Weight:	Not available
Absolute density:	995 kg/m³ ; 20 °C

10. Stability and reactivity

Reactivity:	Heating increases the fire hazard.
Chemical stability:	Stable at room temperature in closed containers under normal storage and handling conditions.
Possibility of hazardous reactions:	No dangerous reactions known.
Conditions to avoid:	Incompatible materials. Keep away from naked flames/heat.
Incompatible materials:	Oxidizing agents, reducing agents, (strong) acids, (strong) bases.
Hazardous decomposition products:	Upon combustion: CO and CO2 are formed.

11. Toxicological information

Toxicological data:

Acute toxicity:

2-butoxyethanol (CAS 111-76-2)

LD50(Oral, Rat):	1746 mg/kg bw
LD50(Dermal, Rat):	> 2000 mg/kg bw
LC50(Inhalation, Rat):	> 4.26 mg/l 4 h
Skin corrosion/Irritation:	No data available.
Serious eye damage/irritation:	No data available.
Respiratory or skin sensitization:	No data available.
Germ cell mutagenicity:	No data available.
Carcinogenicity:	No data available.
Reproductive toxicity:	No data available.
STOT- single exposure:	No data available.
STOT-repeated exposure:	No data available.
Aspiration hazard:	No data available.
Other information	This product has no known adverse effect on human health.

12. Ecological information

Toxicity:

2-butoxyethanol (CAS 111-76-2)

Acute toxicity		Time	Species	Method	Evaluation	Remarks
LC50	1474 mg/l	96h	Fish	OECD 203	N/A	N/A
EC50	1474 mg/l	48h	Daphnia	OECD 202	N/A	N/A
EC50	1840 mg/l	72h	Algae	OECD 201	N/A	N/A

Persistence and degradability:	The surfactant(s) is/are biodegradable according to Regulation (EC) No 648/2004.
Bioaccumulative potential:	Does not contain bioaccumulative component(s).
Mobility in soil:	Contains component(s) with potential for mobility in the soil.
Other adverse effects:	No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

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13. Disposal considerations

Disposal methods:	Collect and reclaim or dispose in sealed containers at licensed waste disposal site.
Waste from residues/unused products:	Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).
Contaminated packaging:	Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied.

14. Transport information

ADG

UN number	UN1950
Proper shipping name	AEROSOLS
Hazard class	2.2
Packing group	-
Special precautions	Read safety instructions, SDS and emergency procedures before handling.

IATA

UN number	UN1950
Proper shipping name	AEROSOLS
Hazard class	2.2
Packing group	-
Special precautions	Read safety instructions, SDS and emergency procedures before handling.

IMDG

UN number	UN1950
Proper shipping name	AEROSOLS
Hazard class	2.2
Packing group	-
Environmental hazards	
Marine pollutant	No
Special precautions	Read safety instructions, SDS and emergency procedures before handling.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code: -

15. Regulatory information

Safety, health and environmental regulations

National regulations

Australia Medicines & Poisons Appendix A/B/D/E/F/G/H/J/K / Australia Medicines & Poisons Schedule 10/2/3/4/5/7/8/9

Poisons schedule number not allocated.

Australia Medicines & Poisons Schedule I/6

2-butoxyethanol (CAS 111-76-2)

High Volume Industrial Chemicals (HVIC)

2-butoxyethanol (CAS 111-76-2)	1000 - 9999 TONNES See the regulation for additional information.
propan-2-ol (CAS 67-63-0)	1000 - 9999 TONNES See the regulation for additional information.

Importation of Ozone Depleting Substances (Customs(Prohibited imports) Regulations 1956, Schedule 10)

Not listed.

National Pollutant Inventory (NPI) substance reporting list

Not listed.

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Prohibited Carcinogenic Substances

Not regulated.

Prohibited Substances (National Model Regulation for the control of Workplace Hazardous Substances, Schedule 2 NOHSC:1005 (1994) as amended)

Not listed.

Restricted Importation of Organochlorine Chemicals (Customs(Prohibited Imports) Regulations 1956, Schedule 9)

Not listed.

Restricted Carcinogenic Substances

Not regulated.

International regulations

Stockholm Convention

Not applicable

Rotterdam Convention

Not applicable.

Kyoto protocol

Not applicable.

Montreal Protocol

Not applicable.

Basel Convention

Not applicable.

Inventory status:

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	Yes
Canada	Domestic /Non-Domestic Substances List (DSL) /(NDSL)	Yes
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Europe	European Inventory of Existing Commercial/ Notified Chemical Substances (EINECS) / (ELINCS)	Yes
Japan	Inventory of Existing and New Chemical Substances (ENCS)	No
Korea	Existing Chemicals List (ECL)	Yes
New Zealand	New Zealand Inventory	Yes
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	Yes
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

*A "Yes" indicates this product complies with the inventory requirements administered by the governing country(s)

A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

16. Other information

Indication of changes:	Version 1.0
Training instructions:	Not applicable.
Further information:	This information is based upon the present state of our knowledge. This SDS has been compiled and is solely intended for this product.
Notice to reader:	Employers should use this information only as a supplement to other information gathered by them, and should make independent judgment of suitability of this information to ensure proper use and protect the health and safety of employees. This information is furnished without warranty, and any use of the product not in conformance with this Safety Data Sheet, or in combination with any other product or process, is the responsibility of the user.

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