RESENE WRITE- ON WALL PAINT PART A Resene Paints (Australia) Limited

Version No: 1.1.5.2

Safety Data Sheet according to WHS Regulations (Hazardous Chemicals) Amendment 2020 and ADG requirements

Issue Date: **24/10/2019**Print Date: **02/06/2021**L.GHS.AUS.EN

SECTION 1 Identification of the substance / mixture and of the company / undertaking

Product Identifier

Product name	RESENE WRITE- ON WALL PAINT PART A	
Chemical Name	Not Applicable	
Synonyms	Not Available	
Other means of identification	Not Available	

Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses 10407

Details of the supplier of the safety data sheet

Registered company name	Resene Paints (Australia) Limited	Resene Paints Ltd
Address	64 Link Drive Queensland 4207 Australia	32-50 Vogel Street Wellington New Zealand
Telephone	+61 7 55126600	+64 4 577 0500
Fax	+61 7 55126697	+64 4 5773327
Website	www.resene.com.au	www.resene.co.nz
Email	Not Available	advice@resene.co.nz

Emergency telephone number

Association / Organisation	AUSTRALIAN POISONS CENTRE	NZ POISONS (24hr 7 days)	CHEMWATCH EMERGENCY RESPONSE
Emergency telephone numbers	131126	0800 764766	+61 2 9186 1132
Other emergency telephone numbers	Not Available	Not Available	+61 1800 951 288

Once connected and if the message is not in your prefered language then please dial 01

SECTION 2 Hazards identification

Classification of the substance or mixture

HAZARDOUS CHEMICAL. NON-DANGEROUS GOODS. According to the WHS Regulations and the ADG Code.

Poisons Schedule	Not Applicable	
Classification [1]	Eye Irritation Category 2A, Skin Sensitizer Category 1, Carcinogenicity Category 2	
Legend:	1. Classified by Chemwatch; 2. Classification drawn from HCIS; 3. Classification drawn from Regulation (EU) No 1272/2008 - Annex VI	

Label elements

Hazard pictogram(s)





Signal word

Warning

Hazard statement(s)

H319	Causes serious eye irritation.
H317	May cause an allergic skin reaction.
H351	Suspected of causing cancer.

Supplementary statement(s)

Not Applicable

Precautionary statement(s) Prevention

P201	Obtain special instructions before use.	
P280 Wear protective gloves, protective clothing, eye protection and face protection.		

Version No: **1.1.5.2** Page **2** of **8** Issue Date: **24/10/2019**

RESENE WRITE- ON WALL PAINT PART A

Print Date: 02/06/2021

P261	Avoid breathing mist/vapours/spray.	
P272	Contaminated work clothing should not be allowed out of the workplace.	

Precautionary statement(s) Response

P308+P313	IF exposed or concerned: Get medical advice/ attention.	
P302+P352	IF ON SKIN: Wash with plenty of water.	
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.	
P333+P313	If skin irritation or rash occurs: Get medical advice/attention.	
P337+P313	P337+P313 If eye irritation persists: Get medical advice/attention.	
P362+P364	Take off contaminated clothing and wash it before reuse.	

Precautionary statement(s) Storage

P405 Store locked up.

Precautionary statement(s) Disposal

P501 Dispose of contents/container to authorised hazardous or special waste collection point in accordance with any local regulation.

SECTION 3 Composition / information on ingredients

Substances

See section below for composition of Mixtures

Mixtures

CAS No	%[weight]	Name
5131-66-8	1-5	propylene glycol monobutyl ether - alpha isomer
102-71-6	1-5	triethanolamine
108-01-0	0.1-1	dimethylethanolamine
Legend:	1. Classified by Chemwatch; 2. Classification drawn from HCIS; 3. Classification drawn from Regulation (EU) No 1272/2008 - Annex VI; 4. Classification drawn from C&L * EU IOELVs available	

SECTION 4 First aid measures

Description of first aid measures

Eye Contact	If this product comes in contact with the eyes: Wash out immediately with fresh running water. Ensure complete irrigation of the eye by keeping eyelids apart and away from eye and moving the eyelids by occasionally lifting the upper and lower lids. Seek medical attention if pain persists or recurs. Removal of contact lenses after an eye injury should only be undertaken by skilled personnel.
Skin Contact	If skin contact occurs: Immediately remove all contaminated clothing, including footwear. Flush skin and hair with running water (and soap if available). Seek medical attention in event of irritation.
Inhalation	 If fumes, aerosols or combustion products are inhaled remove from contaminated area. Other measures are usually unnecessary.
Ingestion	 Immediately give a glass of water. First aid is not generally required. If in doubt, contact a Poisons Information Centre or a doctor.

Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5 Firefighting measures

Extinguishing media

- $\mbox{\ensuremath{\,^{\blacktriangleright}}}$ There is no restriction on the type of extinguisher which may be used.
- Use extinguishing media suitable for surrounding area.

Special hazards arising from the substrate or mixture

Fire Incompatibility None known.		None known.
	Advice for firefighters	
	Fire Fighting	▶ Alert Fire Brigade and tell them location and nature of hazard.

Version No: **1.1.5.2** Page **3** of **8** Issue Date: **24/10/2019**

RESENE WRITE- ON WALL PAINT PART A

Print Date: 02/06/2021

Fire/Explosion Hazard	Non combustible. May emit poisonous fumes. May emit corrosive fumes.
HAZCHEM	Not Applicable

SECTION 6 Accidental release measures

Personal precautions, protective equipment and emergency procedures

See section 8

Environmental precautions

See section 12

Methods and material for containment and cleaning up

Minor Spills	Clean up all spills immediately. Contain spill with sawdust or sand then place in suitable container for disposal. Clean area with large quantity of water to complete clean- up.
Major Spills	Moderate hazard. Clear area of personnel and move upwind. Wear appropriate personnel protective equipment and clothing to prevent exposure. Avoid breathing in mists or vapours and skin or eyes contact. Contain spill with sawdust or sand then place in suitable container for disposal. Clean area with large quantity of water to complete clean- up.

Personal Protective Equipment advice is contained in Section 8 of the SDS.

SECTION 7 Handling and storage

Precautions for safe handling

Safe handling	Avoid unnecessary personal contact, including inhalation. DO NOT allow clothing wet with material to stay in contact with skin
Other information	

Conditions for safe storage, including any incompatibilities

Suitable container	As supplied by manufacturer.
Storage incompatibility	None known

SECTION 8 Exposure controls / personal protection

Control parameters

Occupational Exposure Limits (OEL)

INGREDIENT DATA

Source	Ingredient	Material name	TWA	STEL	Peak	Notes
Australia Exposure Standards	triethanolamine	Triethanolamine	5 mg/m3	Not Available	Not Available	Not Available
Australia Exposure Standards	dimethylethanolamine	Dimethylaminoethanol	2 ppm / 7.4 mg/m3	22 mg/m3 / 6 ppm	Not Available	Not Available

Emergency Limits

Ingredient	TEEL-1	TEEL-2	TEEL-3
triethanolamine	15 mg/m3	240 mg/m3	1,500 mg/m3
dimethylethanolamine	3.7 ppm	40 ppm	72 ppm

Ingredient	Original IDLH	Revised IDLH
propylene glycol monobutyl ether - alpha isomer	Not Available	Not Available
triethanolamine	Not Available	Not Available
dimethylethanolamine	Not Available	Not Available

Occupational Exposure Banding

Ingredient	Occupational Exposure Band Rating	Occupational Exposure Band Limit		
propylene glycol monobutyl ether - alpha isomer	E	≤ 0.1 ppm		
Notes:	Occupational exposure banding is a process of assigning chemicals into specific categories or bands based on a chemical's potency and the adverse health outcomes associated with exposure. The output of this process is an occupational exposure band (OEB), which corresponds to a range of exposure concentrations that are expected to protect worker health.			

MATERIAL DATA

Version No: **1.1.5.2** Page **4** of **8** Issue Date: **24/10/2019**

RESENE WRITE- ON WALL PAINT PART A

Print Date: 02/06/2021

for triethanolamine:

Exposure at or below the TLV-TWA is thought to minimise the potential for skin and eye irritation, and acute effects (including liver, kidney and nerve damage) and chronic effects (including cancer and allergic contact dermatitis).

Exposure controls

xposure controls	
Appropriate engineering controls	Engineering controls are used to remove a hazard or place a barrier between the worker and the hazard.
Personal protection	
Eye and face protection	► Safety glasses with side shields.
Skin protection	See Hand protection below
Hands/feet protection	 Wear chemical protective gloves, e.g. PVC. NOTE: The material may produce skin sensitisation in predisposed individuals. The selection of suitable gloves does not only depend on the material, but also on further marks of quality which vary from manufacturer to manufacturer.
Body protection	See Other protection below
Other protection	Not usually required. Where the concentration of vapours in the breathing zone approaches or exceeds the "Exposure Standards" respiratory protection is required.

SECTION 9 Physical and chemical properties

Information on basic physical and chemical properties

Appearance	Liquid		
Physical state	Liquid	Relative density (Water = 1)	1.04-1.07
Odour	Not Available	Partition coefficient n-octanol / water	Not Available
Odour threshold	Not Available	Auto-ignition temperature (°C)	Not Available
pH (as supplied)	7.7-8.1	Decomposition temperature	Not Available
Melting point / freezing point (°C)	Not Available	Viscosity (cSt)	400-600
Initial boiling point and boiling range (°C)	100	Molecular weight (g/mol)	Not Available
Flash point (°C)	Not Available	Taste	Not Available
Evaporation rate	Not Available	Explosive properties	Not Available
Flammability	Not Available	Oxidising properties	Not Available
Upper Explosive Limit (%)	Not Available	Surface Tension (dyn/cm or mN/m)	Not Available
Lower Explosive Limit (%)	Not Available	Volatile Component (%vol)	67
Vapour pressure (kPa)	Not Available	Gas group	Not Available
Solubility in water	Miscible	pH as a solution (%)	Not Available
Vapour density (Air = 1)	Not Available	VOC g/L	74

SECTION 10 Stability and reactivity

Reactivity	See section 7
Chemical stability	▶ stable.
Possibility of hazardous reactions	See section 7
Conditions to avoid	See section 7
Incompatible materials	See section 7
Hazardous decomposition products	See section 5

SECTION 11 Toxicological information

Information on toxicological effects

Inhaled The material is not thought to produce adverse health effects or irritation of the respiratory tract (as classified by EC Directives using animal

Version No: 1.1.5.2 Page 5 of 8 Issue Date: 24/10/2019 Print Date: 02/06/2021

RESENE WRITE- ON WALL PAINT PART A

models) The material has **NOT** been classified by EC Directives or other classification systems as 'harmful by ingestion'. Ingestion Skin contact is not thought to have harmful health effects (as classified under EC Directives); the material may still produce health damage following entry through wounds, lesions or abrasions Limited evidence exists, or practical experience predicts, that the material either produces inflammation of the skin in a substantial number of Skin Contact individuals following direct contact, and/or produces significant inflammation when applied to the healthy intact skin of animals, for up to four hours, such inflammation being present twenty-four hours or more after the end of the exposure period. Open cuts, abraded or irritated skin should not be exposed to this material Entry into the blood-stream through, for example, cuts, abrasions, puncture wounds or lesions, may produce systemic injury with harmful effects. Evidence exists, or practical experience predicts, that the material may cause eye irritation in a substantial number of individuals and/or may Eye produce significant ocular lesions which are present twenty-four hours or more after instillation into the eye(s) of experimental animals. Practical experience shows that skin contact with the material is capable either of inducing a sensitisation reaction in a substantial number of Chronic individuals, and/or of producing a positive response in experimental animals. TOXICITY IRRITATION **RESENE WRITE- ON WALL** PAINT PART A Not Available Not Available TOXICITY IRRITATION Eye (rabbit): 15 mg SEVERE dermal (rat) LD50: >2000 mg/kg^[1] propylene glycol monobutyl Oral(Rat) LD50; >2000 mg/kg[1] Eye: adverse effect observed (irritating)^[1] ether - alpha isomer Skin (rabbit): 500 mg OPEN - mild Skin: adverse effect observed (irritating)^[1] TOXICITY IRRITATION Eve (rabbit): 0.1 ml -Dermal (rabbit) LD50: >11 mg/kg^[2] Eye (rabbit): 10 mg - mild Oral(Mouse) LD50; 1450 mg/kg^[2] Eye (rabbit): 5.62 mg - SEVERE triethanolamine minor conjunctival irritation no irritation * Skin (human): 15 mg/3d (int)-mild Skin (rabbit): 4 h occluded Skin (rabbit): 560 mg/24 hr- mild TOXICITY IRRITATION Dermal (rabbit) LD50: 1219 mg/kg^[1] Eye (rabbit):0.75 mg(open)-SEVERE dimethylethanolamine Inhalation(Mouse) LC50; 3.25 mg/L4h^[2] Skin (rabbit): 445 mg(open)-mild Oral(Rat) LD50; 1182.7 mg/kg^[1] 1. Value obtained from Europe ECHA Registered Substances - Acute toxicity 2.* Value obtained from manufacturer's SDS. Unless otherwise Leaend: specified data extracted from RTECS - Register of Toxic Effect of chemical Substances for propylene glycol ethers (PGEs): PROPYLENE GLYCOL Typical propylene glycol ethers include propylene glycol n-butyl ether (PnB); dipropylene glycol n-butyl ether (DPnB); dipropylene glycol methyl **MONOBUTYL ETHER - ALPHA** ether acetate (DPMA); tripropylene glycol methyl ether (TPM). ISOMER Testing of a wide variety of propylene glycol ethers Testing of a wide variety of propylene glycol ethers has shown that propylene glycol-based ethers are less toxic than some ethers of the ethylene series. Lachrymation, diarrhoea, convulsions, urinary tract changes, changes in bladder weight, changes in testicular weight, changes in thymus weight, changes in liver weight, dermatitis after systemic exposure, kidney, ureter, bladder tumours recorded. Equivocal tumourigen by RTECS criteria. Dermal rabbit value quoted above is for occluded patch in male or female animals * Union Carbide For triethanolamine (and its salts): Acute toxicity: Triethanolamine is of low toxicity by the oral, dermal and inhalation routes of exposure. A Cosmetic Ingredient Review (CIR) expert panel conducted a review of triethanolamine-containing personal care products TRIETHANOLAMINE The panel was concerned with the levels of free diethanolamine that could be present as an impurity in TEA or TEA-containing ingredients. The substance is classified by IARC as Group 3: NOT classifiable as to its carcinogenicity to humans. Evidence of carcinogenicity may be inadequate or limited in animal testing. NOTE: Substance has been shown to be mutagenic in at least one assay, or belongs to a family of chemicals producing damage or change to cellular DNA For dimethylethanolamine (DMAE) and selected salts and esters: **DIMETHYLETHANOLAMINE** Toxicology: Humans: 10 to 20 mg (0.042-0.084 mmol) of DMAE tartrate administered orally to humans, produced mild mental stimulation. **RESENE WRITE- ON WALL** The following information refers to contact allergens as a group and may not be specific to this product.

Contact allergies quickly manifest themselves as contact eczema, more rarely as urticaria or Quincke's oedema.

PAINT PART A &

TRIETHANOLAMINE

Version No: 1.1.5.2 Page 6 of 8 Issue Date: 24/10/2019

RESENE WRITE- ON WALL PAINT PART A

Print Date: 02/06/2021

TRIETHANOLAMINE & DIMETHYLETHANOLAMINE

Asthma-like symptoms may continue for months or even years after exposure to the material ceases.

While it is difficult to generalise about the full range of potential health effects posed by exposure to the many different amine compounds, characterised by those used in the manufacture of polyurethane and polyisocyanurate foams, it is agreed that overexposure to the majority of these materials may cause adverse health effects.

- Many amine-based compounds can induce histamine liberation, which, in turn, can trigger allergic and other physiological effects, including bronchoconstriction or bronchial asthma and rhinitis.
- Systemic symptoms include headache, nausea, faintness, anxiety, a decrease in blood pressure, tachycardia (rapid heartbeat), itching, erythema (reddening of the skin), urticaria (hives), and facial edema (swelling).

The material may produce severe irritation to the eye causing pronounced inflammation.

The material may cause skin irritation after prolonged or repeated exposure and may produce a contact dermatitis (nonallergic).

Acute Toxicity	×	Carcinogenicity	✓
Skin Irritation/Corrosion	×	Reproductivity	×
Serious Eye Damage/Irritation	✓	STOT - Single Exposure	×
Respiratory or Skin sensitisation	✓	STOT - Repeated Exposure	×
Mutagenicity	×	Aspiration Hazard	×

Leaend:

🗶 - Data either not available or does not fill the criteria for classification

🥓 – Data available to make classification

SECTION 12 Ecological information

RESENE WRITE- ON WALL	Endpoint	Test Duration (hr)	Species	Value		Source
PAINT PART A	Not Available Not Available			Not Available Not Available		lable	Not Available
	Endpoint	Test Duration (hr)	Specie	s		Value	Source
	EC0(ECx)	48h	Crustac	ea		>100mg/l	2
ropylene glycol monobutyl	EC50	72h	Algae o	r other aquatic plants		519mg/l	2
ether - alpha isomer	LC50	96h	Fish			>560<1000mg/l	2
	EC50	48h	Crustac	ea		>100mg/l	2
	EC50	96h	Algae o	r other aquatic plants		525mg/l	2
	Endpoint	Test Duration (hr)	Species			Value	Source
	EC50	72h	Algae	Algae or other aquatic plants		>107<260mg/l	2
	EC50	48h	Crusta	Crustacea		565.2-658.3mg/	4
triethanolamine	LC50	96h	Fish			11800mg/l	2
	EC10(ECx)	96h	Algae	or other aquatic plants		7.1mg/l	1
	BCF	1008h	Fish		<0.4	7	
	EC50	96h	Algae	Algae or other aquatic plants 169n		169mg/l	1
	Endpoint	Test Duration (hr)	Spec	cies		Value	Source
	EC50	72h	Alga	e or other aquatic plants	i	35mg/l	1
dimethylethanolamine	LC50	96h	Fish			88-131mg/	1
	EC50	48h	Crus	tacea		98.77mg/l	1
	EC0(ECx)	48h	Crustacea			62.5mg/l	1

Legend:

Extracted from 1. IUCLID Toxicity Data 2. Europe ECHA Registered Substances - Ecotoxicological Information - Aquatic Toxicity 3. EPIWIN Suite V3.12 (QSAR) - Aquatic Toxicity Data (Estimated) 4. US EPA, Ecotox database - Aquatic Toxicity Data 5. ECETOC Aquatic Hazard Assessment Data 6. NITE (Japan) - Bioconcentration Data 7. METI (Japan) - Bioconcentration Data 8. Vendor Data

DO NOT discharge into sewer or waterways.

Persistence and degradability

Ingredient	Persistence: Water/Soil	Persistence: Air
propylene glycol monobutyl ether - alpha isomer	LOW	LOW
triethanolamine	LOW	LOW
dimethylethanolamine	LOW	LOW

Bioaccumulative potential

Ingredient	Bioaccumulation
propylene glycol monobutyl ether - alpha isomer	LOW (LogKOW = 0.9842)

Version No: **1.1.5.2** Page **7** of **8** Issue Date: **24/10/2019**

RESENE WRITE- ON WALL PAINT PART A

Print Date: 02/06/2021

Ingredient	Bioaccumulation
triethanolamine	LOW (BCF = 3.9)
dimethylethanolamine	LOW (LogKOW = -0.9351)

Mobility in soil

Ingredient	Mobility
propylene glycol monobutyl ether - alpha isomer	HIGH (KOC = 1.289)
triethanolamine	LOW (KOC = 10)
dimethylethanolamine	HIGH (KOC = 1.602)

SECTION 13 Disposal considerations

Waste treatment methods

Product / Packaging disposal

► Containers may still present a chemical hazard/ danger when empty.

Legislation addressing waste disposal requirements may differ by country, state and/ or territory.

- DO NOT allow wash water from cleaning or process equipment to enter drains.
- Recycle wherever possible.

Consult manufacturer for recycling option.

Resene Paintwise accepts residual unwanted paint and packaging. See Resene website for Paintwise information. Or contact a Local Authority for the disposal information. Do not discharge the substance into the environment.

SECTION 14 Transport information

Labels Required

Marine Pollutant	NO
HAZCHEM	Not Applicable

Land transport (ADG): NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS

Air transport (ICAO-IATA / DGR): NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS

Sea transport (IMDG-Code / GGVSee): NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS

Transport in bulk according to Annex II of MARPOL and the IBC code

Not Applicable

Transport in bulk in accordance with MARPOL Annex V and the IMSBC Code

Transport in bank in accordance with moral C27 and the mode code		
Product name	Group	
propylene glycol monobutyl ether - alpha isomer	Not Available	
triethanolamine	Not Available	
dimethylethanolamine	Not Available	

Transport in bulk in accordance with the ICG Code

Product name	Ship Type
propylene glycol monobutyl ether - alpha isomer	Not Available
triethanolamine	Not Available
dimethylethanolamine	Not Available

SECTION 15 Regulatory information

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

propylene glycol monobutyl ether - alpha isomer is found on the following regulatory lists

 $\label{eq:australia} \mbox{Australia Hazardous Chemical Information System (HCIS) - Hazardous Chemicals}$

Australian Inventory of Industrial Chemicals (AIIC)

triethanolamine is found on the following regulatory lists

Australia Hazardous Chemical Information System (HCIS) - Hazardous Chemicals Australia Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP) - Schedule 4

Australia Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP) - Schedule 5

Australian Inventory of Industrial Chemicals (AIIC)

International Agency for Research on Cancer (IARC) - Agents Classified by the IARC Monographs

dimethylethanolamine is found on the following regulatory lists

Australia Hazardous Chemical Information System (HCIS) - Hazardous Chemicals Australia Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP) -Schedule 4 Australia Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP) - Schedule 5 $\,$

Australian Inventory of Industrial Chemicals (AIIC)

National Inventory Status

Version No: 1.1.5.2 Page 8 of 8 Issue Date: 24/10/2019

RESENE WRITE- ON WALL PAINT PART A

Print Date: 02/06/2021

National Inventory	Status	
Australia - AIIC / Australia Non-Industrial Use	Yes	
Canada - DSL	Yes	
Canada - NDSL	No (propylene glycol monobutyl ether - alpha isomer; triethanolamine; dimethylethanolamine)	
China - IECSC	Yes	
Europe - EINEC / ELINCS / NLP	Yes	
Japan - ENCS	Yes	
Korea - KECI	Yes	
New Zealand - NZIoC	Yes	
Philippines - PICCS	Yes	
USA - TSCA	Yes	
Taiwan - TCSI	Yes	
Mexico - INSQ	Yes	
Vietnam - NCI	Yes	
Russia - FBEPH	Yes	
Legend:	Yes = All CAS declared ingredients are on the inventory No = One or more of the CAS listed ingredients are not on the inventory and are not exempt from listing(see specific ingredients in brackets)	

SECTION 16 Other information

Revision Date	24/10/2019
Initial Date	24/10/2019

SDS Version Summary

Version	Date of Update	Sections Updated
0.0.2.1	27/04/2021	Regulation Change
0.0.3.1	04/05/2021	Regulation Change
0.0.4.1	07/05/2021	Regulation Change
0.0.5.1	11/05/2021	Regulation Change
0.0.5.2	30/05/2021	Template Change

Other information

Classification of the preparation and its individual components has drawn on official and authoritative sources as well as independent review by the Chemwatch Classification committee using available literature references

The SDS is a Hazard Communication tool and should be used to assist in the Risk Assessment.

Definitions and abbreviations

PC-TWA: Permissible Concentration-Time Weighted Average

PC-STEL: Permissible Concentration-Short Term Exposure Limit

IARC: International Agency for Research on Cancer

ACGIH: American Conference of Governmental Industrial Hygienists

STEL: Short Term Exposure Limit

TEEL: Temporary Emergency Exposure Limit $_{\circ}$

IDLH: Immediately Dangerous to Life or Health Concentrations

ES: Exposure Standard

OSF: Odour Safety Factor

NOAEL :No Observed Adverse Effect Level

LOAEL: Lowest Observed Adverse Effect Level

TLV: Threshold Limit Value

LOD: Limit Of Detection

OTV: Odour Threshold Value BCF: BioConcentration Factors

BEI: Biological Exposure Index

AIIC: Australian Inventory of Industrial Chemicals

DSL: Domestic Substances List

NDSL: Non-Domestic Substances List

IECSC: Inventory of Existing Chemical Substance in China

EINECS: European INventory of Existing Commercial chemical Substances ELINCS: European List of Notified Chemical Substances

NLP: No-Longer Polymers

ENCS: Existing and New Chemical Substances Inventory

KECI: Korea Existing Chemicals Inventory

NZIoC: New Zealand Inventory of Chemicals

PICCS: Philippine Inventory of Chemicals and Chemical Substances

TSCA: Toxic Substances Control Act

TCSI: Taiwan Chemical Substance Inventory

INSQ: Inventario Nacional de Sustancias Químicas

NCI: National Chemical Inventory

FBEPH: Russian Register of Potentially Hazardous Chemical and Biological Substances

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