# HI GLO WINTERGRADE WHITE

**RESENE PAINTS LTD** 

Chemwatch Hazard Alert Code: 0

Issue Date: 07/08/2014 Print Date: 07/08/2014 Initial Date: 07/08/2014 S.GHS.NZL.EN

Chemwatch: 9-72708 Version No: 1.3 Safety Data Sheet according to HSNO Regulations

## SECTION 1 IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND OF THE COMPANY / UNDERTAKING

Product name	HI GLO WINTERGRADE WHITE			
Chemical Name	Not Applicable			
Synonyms	8932			 
Proper shipping name	Not Applicable			
Chemical formula				
	Not Applicable			
Other means of identification	Not Available			
CAS number	Not Applicable			
Relevant identified uses o	f the substance or mixture and uses advised against			
Relevant identified uses	Use according to manufacturer's directions.			
Details of the manufacture	er/importer			
Registered company name	RESENE PAINTS LTD			
Address	32-50 Vogel Street, Lower Hutt, Wellington New Zealand			
Telephone	+64 4 5770500			
Fax	+64 4 5773327			
Website	www.resene.co.nz			
Email	advice@resene.co.nz			
Emergency telephone nun	nber			
Association / Organisation	Not Available			
Emergency telephone numbers	0800 737363			
Other emergency telephone numbers	0800 737363			
CHEMWATCH EMERGENCY	RESPONSE			
Primary Number	Alternative Number 1	Alternative Number 2		
+800 2436 2255	+612 9186 1132	Not Available		

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

Not considered a Hazardous Substance according to the criteria of the New Zealand Hazardous Substances New Organisms legislation. Not regulated for transport of Dangerous Goods.

GHS Classification	Not Applicable
Determined by Chemwatch using GHS/HSNO criteria	Not Available
Label elements	
GHS label elements	Not Applicable
SIGNAL WORD	NOT APPLICABLE

# Hazard statement(s)

Not Applicable

## Page 2 of 7

#### HI GLO WINTERGRADE WHITE

Issue Date: **07/08/2014**Print Date: **07/08/2014** 

Precautionary statement(s): Prevention

Not Applicable

Precautionary statement(s): Response

Not Applicable

Precautionary statement(s): Storage

Not Applicable

Precautionary statement(s): Disposal

Not Applicable

# **SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS**

#### Substances

See section below for composition of Mixtures

#### Mixtures

CAS No	%[weight]	Name
1317-80-2	15-25	titanium dioxide (rutile)

#### **SECTION 4 FIRST AID MEASURES**

NZ Poisons Centre 0800 POISON (0800 764 766) | NZ Emergency Services: 111

#### Description of first aid measures

Eye Contact	If this product comes in contact with eyes:  • Wash out immediately with water.  • If irritation continues, seek medical attention.  • Removal of contact lenses after an eye injury should only be undertaken by skilled personnel.
Skin Contact	If skin or hair contact occurs:  ▶ Flush skin and hair with running water (and soap if available).  ▶ Seek medical attention in event of irritation.
Inhalation	<ul> <li>If fumes, aerosols or combustion products are inhaled remove from contaminated area.</li> <li>Other measures are usually unnecessary.</li> </ul>
Ingestion	<ul> <li>Immediately give a glass of water.</li> <li>First aid is not generally required. If in doubt, contact a Poisons Information Centre or a doctor.</li> </ul>

## Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

# **SECTION 5 FIREFIGHTING MEASURES**

# Extinguishing media

▶ There is no restriction on the type of extinguisher which may be used.

# Special hazards arising from the substrate or mixture

Fire Incompatibility None known.

# Advice for firefighters

Fire Fighting	▶ Alert Fire Brigade and tell them location and nature of hazard.	
Fire/Explosion Hazard	▶ Non combustible.	

# SECTION 6 ACCIDENTAL RELEASE MEASURES

# Personal precautions, protective equipment and emergency procedures

Minor Spills	► Clean up all spills immediately.	
Major Spills	Moderate hazard.	
	Personal Protective Equipment advice is contained in Section 8 of the MSDS.	

# **SECTION 7 HANDLING AND STORAGE**

### Precautions for safe handling

Safe handling	▶ Avoid all personal contact, including inhalation.	
Other information		

#### HI GLO WINTERGRADE WHITE

# Conditions for safe storage, including any incompatibilities

Suitable container	▶ Polyethylene or polypropylene container.
Storage incompatibility	Titanium dioxide  ► reacts with strong acids, strong oxidisers  ► reacts violently with aluminium, calcium, hydrazine, lithium (at around 200 deg C.), magnesium, potassium, sodium, zinc, especially at elevated temperatures  - these reactions involves reduction of the oxide and are accompanied by incandescence  ► dust or powders can ignite and then explode in a carbon dioxide atmosphere  None known

#### PACKAGE MATERIAL INCOMPATIBILITIES

Not Available

# **SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION**

#### **Control parameters**

#### OCCUPATIONAL EXPOSURE LIMITS (OEL)

#### INGREDIENT DATA

Source	Ingredient	Material name	TWA	STEL	Peak	Notes
New Zealand Workplace	titanium dioxide	Titanium	10	Not	Not	The value for inhalable dust containing no asbestos and less than 1% free silica.
Exposure Standards (WES)	(rutile)	dioxide	mg/m3	Available	Available	

#### **EMERGENCY LIMITS**

Ingredient	TEEL-0	TEEL-1	TEEL-2	TEEL-3
titanium dioxide (rutile)	15 ppm	15 ppm	15 ppm	500 ppm

Ingredient	Original IDLH	Revised IDLH
titanium dioxide (rutile)	N.E. / N.E.	5,000 mg/m3

#### **Exposure 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 ► Chemical goggles.		
Skin protection	See Hand protection below		
Hands/feet protection	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	▶ Overalls.		
Thermal hazards	Not Available		

#### Recommended material(s)

# GLOVE SELECTION INDEX

Glove selection is based on a modified presentation of the:

"Forsberg Clothing Performance Index".

The effect(s) of the following substance(s) are taken into account in the *computer-generated* selection:

HI GLO WINTERGRADE WHITE Not Available

Material	СРІ

\* CPI - Chemwatch Performance Index

A: Best Selection

B: Satisfactory; may degrade after 4 hours continuous immersion

C: Poor to Dangerous Choice for other than short term immersion

**NOTE**: As a series of factors will influence the actual performance of the glove, a final selection must be based on detailed observation. -

\* Where the glove is to be used on a short term, casual or infrequent basis, factors such as "feel" or convenience (e.g. disposability), may dictate a choice of gloves which might otherwise be unsuitable following long-term or frequent use. A qualified practitioner should be consulted.

#### Respiratory protection

Type A-P Filter of sufficient capacity.

Where the concentration of gas/particulates in the breathing zone, approaches or exceeds the "Exposure Standard" (or ES), respiratory protection is required.

Degree of protection varies with both face-piece and Class of filter; the nature of protection varies with Type of filter.

Required Minimum Protection Factor	Half-Face Respirator	Full-Face Respirator	Powered Air Respirator
up to 5 x ES	A-AUS / Class 1 P2	-	A-PAPR-AUS / Class 1 P2
up to 25 x ES	Air-line*	A-2 P2	A-PAPR-2 P2
up to 50 x ES	-	A-3 P2	-
50+ x ES	-	Air-line**	-

<sup>\* -</sup> Continuous-flow; \*\* - Continuous-flow or positive pressure demand

A(All classes) = Organic vapours, B AUS or B1 = Acid gasses, B2 = Acid gas or hydrogen cyanide(HCN), B3 = Acid gas or hydrogen cyanide(HCN), E = Sulfur dioxide(SO2), G = Agricultural chemicals, K = Ammonia(NH3), Hg = Mercury, NO = Oxides of nitrogen, MB = Methyl bromide, AX = Low boiling point organic compounds(below 65 degC)

<sup>^ -</sup> Full-face

# HI GLO WINTERGRADE WHITE

Issue Date: **07/08/2014**Print Date: **07/08/2014** 

# Information on basic physical and chemical properties

Appearance	White liquid		
Physical state	Liquid	Relative density (Water = 1)	1.26
Odour	Not Available	Partition coefficient n-octanol / water	Not Available
Odour threshold	Not Available	Auto-ignition temperature (°C)	Not Available
pH (as supplied)	8.7	Decomposition temperature	Not Available
Melting point / freezing point (°C)	Not Available	Viscosity (cSt)	1100
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)	Not Available
Vapour pressure (kPa)	Not Available	Gas group	Not Available
Solubility in water (g/L)	Miscible	pH as a solution(1%)	Not Available
Vapour density (Air = 1)	Not Available	VOC g/L	9

# **SECTION 10 STABILITY AND REACTIVITY**

Reactivity	See section 7
Chemical stability	▶ Unstable in the presence of incompatible materials.
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 models).	
Ingestion	The material has NOT been classified by EC Directives or other classification s	systems as "harmful by ingestion".
Skin Contact	The material is not thought to produce adverse health effects or skin irritation for	ollowing contact (as classified by EC Directives using animal models).
Eye	Although the liquid is not thought to be an irritant (as classified by EC Directives), direct contact with the eye may produce transient discomfort characterised by tearing or conjunctival redness (as with windburn).	
Chronic	Limited evidence suggests that repeated or long-term occupational exposure may produce cumulative health effects involving organs or biochemical systems.	
HI GLO WINTERGRADE	TOXICITY	IRRITATION
WHITE	Not Available	Not Available
titanium dioxide (rutile)	TOXICITY	IRRITATION
titanium dioxide (rutile)	Not Available	Not Available

TITANIUM DIOXIDE (RUTILE)	Skin (human) 0.3: mg/3d-l mild		
HI GLO WINTERGRADE WHITE, TITANIUM DIOXIDE (RUTILE)	No significant acute toxicological data identified in literature search.		
Acute Toxicity	0	Carcinogenicity	0
Skin Irritation/Corrosion	0	Reproductivity	0

Issue Date: **07/08/2014**Print Date: **07/08/2014** 

HI GLO WINTERGRADE WHITE

Serious Eye Damage/Irritation	0	STOT - Single Exposure	0
Respiratory or Skin sensitisation	0	STOT - Repeated Exposure	0
Mutagenicity	0	Aspiration Hazard	0

Legend:

Data required to make classification available

Data available but does not fill the criteria for classification
 Data Not Available to make classification

**CMR STATUS** 

Not Applicable

#### **SECTION 12 ECOLOGICAL INFORMATION**

#### Toxicity

DO NOT discharge into sewer or waterways

#### Persistence and degradability

Ingredient	Persistence: Water/Soil	Persistence: Air
Not Available	Not Available	Not Available

#### Bioaccumulative potential

Ingredient	Bioaccumulation
Not Available	Not Available

#### Mobility in soil

Ingredient	Mobility
Not Available	Not Available

## **SECTION 13 DISPOSAL CONSIDERATIONS**

## Waste treatment methods

Product / Packaging disposal	Legislation addressing waste disposal requirements may differ by country, state and/ or territory.
	Insure that the disposal of material is carried out in accordance with Hazardous Substances (Disposal) Regulations 2001.

# **SECTION 14 TRANSPORT INFORMATION**

#### Labels Required

Marine Pollutant	NO
HAZCHEM	Not Applicable

Land transport (UN): 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 73 / 78 and the IBC code

Source	Ingredient	Pollution Category
IMO MARPOL 73/78 (Annex II) - List of Noxious Liquid Substances Carried in Bulk	titanium dioxide (rutile)	Z

# **SECTION 15 REGULATORY INFORMATION**

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

This substance is to be managed using the conditions specified in an applicable Group Standard Not Available

HSR Number	Group Standard

## titanium dioxide (rutile) (1317-80-2) is found on the following regulatory lists

"IMO MARPOL 73/78 (Annex II) - List of Noxious Liquid Substances Carried in Bulk", "New Zealand Inventory of Chemicals (NZIoC)", "FisherTransport Information", "OECD List of High Production Volume (HPV) Chemicals", "International Numbering System for Food Additives", "New Zealand Workplace Exposure Standards (WES)", "Sigma-AldrichTransport Information", "OECD Existing Chemicals Database", "CODEX General Standard for Food Additives (GSFA) - Additives Permitted for Use in Food in General, Unless Otherwise Specified, in Accordance with GMP", "GESAMP/EHS Composite List - GESAMP Hazard Profiles", "New Zealand Cosmetic Products Group Standard - Schedule 6 Colouring Agents Cosmetic Products May Contain With Restrictions- Table 1: List fo Colouring Agents Allowed for use in Cosmetic Products", "IMO IBC Code Chapter 17: Summary of minimum requirements", "International Fragrance Association (IFRA) Survey: Transparency List", "New Zealand Cosmetic Products Group Standard - Schedule 8: UV Filters Cosmetic Products May Contain

Issue Date: 07/08/2014 Print Date: 07/08/2014

# Page 6 of 7 HI GLO WINTERGRADE WHITE

With Restrictions - Table 1: List of Permitted UV Filters which Cosmetic Products may contain"

#### **Location Test Certificate**

Subject to Regulation 55 of the Hazardous Substances (Classes 1 to 5 Controls) Regulations a location test certificate is required when quantity greater than or equal to those indicated below are

Hazard Class	Quantity beyond which controls apply for closed containers	Quantity beyond which controls apply when use occurring in open containers
Not Applicable	Not Applicable	Not Applicable

#### **Approved Handler**

Subject to Regulation 56 of the Hazardous Substances (Classes 1 to 5 Controls) Regulations, the substance must be under the personal control of an Approved Handler when present in a quantity

٠	Class of substance	Quantities
	Not Applicable	Not Applicable

## **SECTION 16 OTHER INFORMATION**

#### 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.

A list of reference resources used to assist the committee may be found at:

www.chemwatch.net/references

The (M)SDS is a Hazard Communication tool and should be used to assist in the Risk Assessment. Many factors determine whether the reported Hazards are Risks in the workplace or other settings. Risks may be determined by reference to Exposures Scenarios. Scale of use, frequency of use and current or available engineering controls must be considered.

This document is copyright. Apart from any fair dealing for the purposes of private study, research, review or criticism, as permitted under the Copyright Act, no part may be reproduced by any process without written permission from CHEMWATCH. TEL (+61 3) 9572 4700.

Chemwatch: 9-72708 Page 7 of 7 Issue Date: 07/08/2014 Version No: 1.3 Print Date: 07/08/2014

HI GLO WINTERGRADE WHITE