

SAFETY DATA SHEET

WellLock D1

Revision Date: 19-Jun-2013

Revision Number: 3

1. Product and Company Identification

Product Name

Product Trade Name: WellLock D1

Other NamesSynonyms: None
Product Code: HM007346**Recommended Use**Recommended Use: Resin Diluent
Uses Advised Against: No information available**Company Name, Address and Contact Details**Manufacturer/Supplier: Halliburton New Zealand
1 Paraite Rd,
Bell Block, New Plymouth
New Zealand Registration No.: 824207

E-Mail address: fdunexchem@halliburton.com

Emergency Telephone Number: +64-6-7559274

New Zealand National Poisons Centre: 0800 764 766 (24 hours)

2. Hazard(s) Identification

Statement of Hazardous NatureClassified as hazardous according to criteria in the Hazardous Substances (Minimum Degrees of Hazard) Regulation 2001;
Classified as dangerous good according to NZS 5433:2012, UN, IMDG or IATA**Classification**3.1C Flammable Liquids - Medium hazard
6.1D (Oral) Acutely Toxic Substances
6.1D (Inhalation) Acutely Toxic Substances
6.3A Irritating to the skin
6.4A Irritating to the eye
6.5B Contact sensitisers
6.6B Human mutagens
6.8B Human reproductive or developmental toxicants
9.1C Harmful in the aquatic environment
9.3C Harmful to terrestrial vertebrates**Hazard and Precautionary Statements**

2. Hazard(s) Identification

Hazard Pictograms



Signal Word

Warning

Hazard Statements

H226 - Flammable liquid and vapor
H315 - Causes skin irritation
H317 - May cause an allergic skin reaction
H319 - Causes serious eye irritation
H341 - Suspected of causing genetic defects
H361 - Suspected of damaging fertility or the unborn child
H302 - Harmful if swallowed
H332 - Harmful if inhaled
H412 - Harmful to aquatic life with long lasting effects
H433 - Harmful to the terrestrial vertebrates.

Precautionary Statements

Prevention

P101 - If medical advice is needed, have product container or label at hand
P102 - Keep out of reach of children
P103 - Read label before use
P104 - Read Safety Data Sheet before use.
P201 - Obtain special instructions before use
P202 - Do not handle until all safety precautions have been read and understood
P210 - Keep away from heat/sparks/open flames/hot surfaces. - No smoking
P233 - Keep container tightly closed
P240 - Ground/Bond container and receiving equipment
P241 - Use explosion-proof electrical/ventilating/lighting/equipment
P242 - Use only non-sparking tools
P243 - Take precautionary measures against static discharge
P261 - Avoid breathing dust/fume/gas/mist/vapors/spray
P264 - Wash face, hands and any exposed skin thoroughly after handling
P270 - Do not eat, drink or smoke when using this product
P271 - Use only outdoors or in a well-ventilated area
P272 - Contaminated work clothing should not be allowed out of the workplace
P280 - Wear protective gloves/eye protection/face protection
P281 - Use personal protective equipment as required

2. Hazard(s) Identification

Response	P370 + P380 + P375 - In case of fire, use water/water spray/water jet/carbon dioxide/sand/foam/alcohol resistant foam/chemical powder for extinction P302 + P352 - IF ON SKIN: Wash with plenty of soap and water P333 + P313 - If skin irritation or rash occurs: Get medical advice/attention P362 - Take off contaminated clothing and wash before reuse P363 - Wash contaminated clothing before reuse P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing P337 + P313 - If eye irritation persists: Get medical advice/attention P301+ P312 - IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell P330 - Rinse mouth P331 - Do NOT induce vomiting P304 + P340 - IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing P312 - Call a POISON CENTER or doctor/physician if you feel unwell P308 + P313 - IF exposed or concerned: Get medical advice/attention
Storage	P403 + P235 - Store in a well-ventilated place. Keep cool P405 - Store locked up
Disposal	P501 - Dispose of contents/container to an approved incineration plant
Contains	

Substances	CAS Number	Substance HSNO Classification
Butyl glycidyl ether	2426-08-6	3.1C 6.1D (Oral) 6.1D (Inhalation) 6.3A 6.4A 6.5B (Contact) 6.6B 6.8B 9.1C (Algae, Crustacean, Fish) 9.3C

Other Hazards

None known

3. Composition and Information on Ingredients

Substances	CAS Number	PERCENT (w/w)
Butyl glycidyl ether	2426-08-6	60 - 100%

4. First-Aid Measures

Requirements for First Aid or Medical Care

Inhalation	If inhaled, remove to fresh air. If not breathing give artificial respiration, preferably mouth-to-mouth. If breathing is difficult give oxygen. Get medical attention.
Eyes	In case of contact, or suspected contact, immediately flush eyes with plenty of water for at least 15 minutes and get medical attention immediately after flushing.
Skin	Remove contaminated clothing and launder before reuse. In case of contact, immediately flush skin with plenty of soap and water for at least 15 minutes. Get medical attention.
Ingestion	Do not induce vomiting. Slowly dilute with 1-2 glasses of water or milk and seek medical attention. Never give anything by mouth to an unconscious person.

Workplace Facilities Required

4. First-Aid Measures

None

Relation to Health Effect

Most Important Symptoms/Effects

May cause eye, skin, and respiratory irritation. May cause headache, dizziness, and other central nervous system effects.

Medical Attention and Special Treatment

Notes to Physician

Treat symptomatically

5. Fire-Fighting Measures

Type of Hazard

Flammability Hazard

Flammable Liquid

Extinguishing media

Suitable Extinguishing Media

Water fog, carbon dioxide, foam, dry chemical.

Extinguishing media which must not be used for safety reasons

None known.

HAZCHEM Code

Hazchem Code:

None Allocated

Special Protective Equipment and Precautions for Fire Fighters

Special Protective Equipment for Fire-Fighters

Full protective clothing and approved self-contained breathing apparatus required for fire fighting personnel.

Special Exposure Hazards

Decomposition in fire may produce toxic gases.

6. Spillage, Accidental Release Measures

Personal precautions, protective equipment and emergency procedures

Use appropriate protective equipment.

See Section 12 for additional information

Environmental precautions

Prevent from entering sewers, waterways, or low areas.

Methods and material for containment and cleaning up

Contain spill with sand or other inert materials. Scoop up and remove. Isolate spill and stop leak where safe.

Reference to other sections

See Section 12 for additional information.

7. Handling and Storage

Precautions for Safe Handling

Handling Precautions

Wash hands after use. Launder contaminated clothing before reuse. Avoid contact with eyes, skin, or clothing. Avoid breathing vapors.

Handling Practices

Hygiene Measures

Handle in accordance with good industrial hygiene and safety practice

7. Handling and Storage

Approved Handlers

This product does NOT require an approved handler.

Conditions for safe storage, including any incompatibilities

Store away from acids. Keep away from friction, impact, and heat. Keep container closed when not in use. Product has a shelf life of 36 months.

Store Site Requirements

No special controls required

Packaging

No special packaging required

8. Exposure Controls and Personal Protection

Workplace Exposure Standards

Substances	CAS Number	New Zealand WES	ACGIH TLV-TWA
Butyl glycidyl ether	2426-08-6	TWA: 25 ppm 133 mg/m ³	TWA: 3 ppm

Engineering Controls

Engineering Controls

Use in a well ventilated area. Local exhaust ventilation should be used in areas without good cross ventilation.

Personal Protective Equipment (PPE)

Respiratory Protection

If engineering controls and work practices cannot keep exposure below occupational exposure limits or if exposure is unknown, wear a NIOSH certified, European Standard EN 149, or equivalent respirator when using this product. Selection of and instruction on using all personal protective equipment, including respirators, should be performed by an Industrial Hygienist or other qualified professional.

Organic vapor respirator.

Hand Protection

Impervious rubber gloves.

Skin Protection

Rubber apron.

Eye Protection

Chemical goggles; also wear a face shield if splashing hazard exists.

Other Precautions

Eyewash fountains and safety showers must be easily accessible.

Hygiene Measures

Handle in accordance with good industrial hygiene and safety practice

9. Physical and Chemical Properties

Information on basic physical and chemical properties

Physical State: Liquid

Color: Colorless

Odor: Irritating

Odor Threshold: No information available

Property

Values

Remarks/ Method

pH:

7

Freezing Point/Range

No data available

Melting Point/Range

No data available

Boiling Point/Range

164°C

Flash Point

58°C

Seta closed cup

Evaporation rate

No data available

Vapor Pressure

0.6 mmHg

9. Physical and Chemical Properties

Vapor Density	3.78
Specific Gravity	0.92
Water Solubility	Insoluble in water
Solubility in other solvents	No data available
Partition coefficient: n-octanol/water	No data available
Autoignition Temperature	No data available
Decomposition Temperature	No data available
Viscosity	No data available
Explosive Properties	No information available
Oxidizing Properties	No information available

Other information

Molecular Weight	130.18
VOC Content (%)	No data available

10. Stability and Reactivity

Chemical Stability

Stable

Conditions to Avoid

Keep away from heat, sparks and flame.

Incompatible Materials

Strong oxidizers.

Hazardous Decomposition Products

Toxic fumes. Carbon monoxide and carbon dioxide.

Hazardous Reactions

Hazardous Polymerization: Will Not Occur

11. Toxicological Information

Health Effect from Likely Routes of Exposure

Acute Toxicity

Product Information	Under certain conditions of use, some of the product ingredients may cause the following:
Inhalation	May cause respiratory irritation. May cause central nervous system depression including headache, dizziness, drowsiness, incoordination, slowed reaction time, slurred speech, giddiness and unconsciousness.
Eye Contact	Causes severe eye irritation which may damage tissue.
Skin Contact	May cause severe skin irritation. May cause an allergic skin reaction. May be absorbed through the skin and produce effects similar to those caused by inhalation and/or ingestion.
Ingestion	Irritation of the mouth, throat, and stomach. May cause abdominal pain, vomiting, nausea, and diarrhea.
Chronic Effects/Carcinogenicity	This product is a potential carcinogen. May cause testicular toxicity.

Toxicity Data

Substances	LD50 Oral	LD50 Dermal	LC50 Inhalation
Butyl glycidyl ether	1660 mg/kg (Rat) 2000 mg/kg (Rat)	2520 µL/kg (Rabbit) 2150 mg/kg (Rat)	LC50: 1030 ppm (Rat) 8 h LC50: > 670 ppm (Rat) 8 h

Test species: Rat

12. Ecological Information

Toxicity Ecotoxicity Effects

Product Ecotoxicity Data

No data available

Substance Ecotoxicity Data

Substances	Toxicity to Algae	Toxicity to Fish	Toxicity to Microorganisms	Daphnia Magna (Water Flea)
Butyl glycidyl ether	No information available	No information available	No information available	No information available

Persistence and degradability

No information available

Bioaccumulative potential

No information available

Mobility in soil

No information available

Ecotoxicity Hazard Statements

Harmful to aquatic life with long lasting effects

Harmful to terrestrial vertebrates.

Other adverse effects

Endocrine Disruptor Information

This product does not contain any known or suspected endocrine disruptors

13. Disposal Considerations

Waste treatment methods

Disposal Method

Disposal should be made in accordance with federal, state, and local regulations.

Substance should NOT be deposited into a sewage facility.

Contaminated Packaging

Follow all applicable national or local regulations. Contaminated packaging may be disposed of by: rendering packaging incapable of containing any substance, or treating packaging to remove residual contents, or treating packaging to make sure the residual contents are no longer hazardous, or by disposing of packaging into commercial waste collection.

14. Transport Information

IMDG/IMO

UN Number: UN1992,
UN Proper Shipping Name: Flammable Liquid, Toxic, N.O.S.
Transport Hazard Class(es): , 3, (6.1)
Packing Group: , III
EMS: EmS F-E, S-D

NZ 5433.1999

UN Number: UN1992,
UN Proper Shipping Name: Flammable Liquid, Toxic, N.O.S.

14. Transport Information

Transport Hazard Class(es): , 3, (6.1)
Packing Group: , III

IATA/ICAO

UN Number: UN1992,
UN Proper Shipping Name: Flammable Liquid, Toxic, N.O.S.
Transport Hazard Class(es): , 3, (6.1)
Packing Group: , III

Special Precautions for User None

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not applicable

15. Regulatory Information

New Zealand Inventory of Chemicals All components listed on inventory or are exempt.

HSNO Approval Number HSR002921

Group Name Not Applicable

HSNO Controls Refer to the NZ EPA website for more information: <http://www.epa.govt.nz>

Approved Handlers Not Applicable

Poisons Schedule: None Allocated

16. Other Information

The following sections have been revised since the last issue of this SDS

Not applicable

Additional Information For additional information on the use of this product, contact your local Halliburton representative.

For questions about the Safety Data Sheet for this or other Halliburton products, contact Chemical Compliance at 1-580-251-4335.

Key literature references and sources for data

www.ChemADVISOR.com/
NZ CCID

Revision Date: 19-Jun-2013

Revision Note Not applicable

Disclaimer Statement

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End of Safety Data Sheet