

SAFETY DATA SHEET**AT-50**

Revision Date: 06-May-2013

Revision Number: 8

1. Product Identifier & Identity for the Chemical

Statement of Hazardous Nature Hazardous according to the criteria of NOHSC, Non-Dangerous Goods according to the criteria of ADG.

Product Identifier

Product Name AT-50

Other means of Identification

Synonyms: None

Product Code: HM004499

Recommended use of the chemical and restrictions on use

Recommended Use Surfactant

Uses Advised Against No information available

Supplier's name, address and phone number

Manufacturer/Supplier Halliburton Australia Pty. Ltd.
15 Marriott Road
Jandakot
WA 6164
Australia

ACN Number: 009 000 775
Telephone Number: 61 (08) 9455 8300
Fax Number: 61 (08) 9455 5300
fdunexchem@halliburton.com

E-Mail address:**Emergency phone number**

61 (08) 9455 8300

Australian Poisons Information Centre

24 Hour Service: - 13 11 26

Police or Fire Brigade: - 000 (exchange): - 1100

2. Hazard Identification**Classification of the hazardous chemical**

Acute Oral Toxicity	Category 4- (H302)
Skin Corrosion / irritation	Category 2- (H315)
Serious Eye Damage / Eye Irritation	Category 1- (H318)
Chronic Aquatic Toxicity	Chronic 2- (H411)

Label elements, including precautionary statements

2. Hazard Identification

Hazard Pictograms



Signal Word

Danger

Hazard Statements

H318 - Causes serious eye damage

H302 - Harmful if swallowed

H411 - Toxic to aquatic life with long lasting effects

Precautionary Statements

Prevention

P264 - Wash face, hands and any exposed skin thoroughly after handling

P270 - Do not eat, drink or smoke when using this product

P273 - Avoid release to the environment

P280 - Wear protective gloves/eye protection/face protection

Response

P301+ P312 - IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell

P330 - Rinse mouth

P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

P310 - Immediately call a POISON CENTER or doctor/physician

P391 - Collect spillage

Storage

None

Disposal

P501 - Dispose of contents/container to an approved incineration plant

Contains

Substances

Nonylphenol ethoxylated

Polyethylene glycol

Oxylated alkylphenols

CAS Number

Proprietary

25322-68-3

Proprietary

Other hazards which do not result in classification

None known

Australia Classification

For the full text of the R-phrases mentioned in this Section, see Section 16

Classification

Xi - Irritant.

Risk Phrases

R36 Irritating to eyes.

3. Composition/information on Ingredients

Substances	CAS Number	PERCENT
Nonylphenol ethoxylated	Proprietary	> 97
Polyethylene glycol	25322-68-3	< 3
Oxylated alkylphenols	Proprietary	< 2

4. First Aid Measures

Description of necessary first aid measures

Inhalation	If inhaled, remove from area to fresh air. Get medical attention if respiratory irritation develops or if breathing becomes difficult.
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	Wash with soap and water. Get medical attention if irritation persists. Remove contaminated clothing and launder before reuse.
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.

Symptoms caused by exposure

May cause eye burns. May cause skin irritation. May be harmful if swallowed.

Medical Attention and Special Treatment

Notes to Physician Treat symptomatically

5. Fire Fighting Measures

Suitable extinguishing equipment

Suitable Extinguishing Media

Water fog, carbon dioxide, foam, dry chemical.

Extinguishing media which must not be used for safety reasons

None known.

Specific hazards arising from the chemical

Special Exposure Hazards

Decomposition in fire may produce toxic gases.

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.

6. Accidental Release Measures

Personal precautions, protective equipment and emergency procedures

Use appropriate protective equipment.

Environmental precautions

Prevent from entering sewers, waterways, or low areas.

6. Accidental Release Measures

Methods and material for containment and cleaning up

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

7. Handling and Storage

Precautions for Safe Handling

Handling Precautions

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

Hygiene Measures

Handle in accordance with good industrial hygiene and safety practice

Conditions for safe storage, including any incompatibilities

Storage Information

Store away from oxidizers. Store away from acids. Store in a cool well ventilated area. Keep container closed when not in use.

Other Guidelines

No information available

8. Exposure Controls/Personal Protection

Control parameters - exposure standards, biological monitoring

Substances	CAS Number	Australia NOHSC	ACGIH TLV-TWA
Nonylphenol ethoxylated		Not applicable	Not applicable
Polyethylene glycol	25322-68-3	Not applicable	Not applicable
Oxylated alkylphenols		Not applicable	Not applicable

Appropriate engineering controls

Engineering Controls

Use in a well ventilated area.

Personal protective equipment (PPE)

Respiratory Protection

Not normally necessary.

Hand Protection

Polyvinylchloride gloves.

Skin Protection

Normal work coveralls.

Eye Protection

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

Other Precautions

Eyewash fountains and safety showers must be easily accessible.

Environmental Exposure Controls

No information available

9. Physical and Chemical Properties

Information on basic physical and chemical properties

Physical State: Liquid

Color: Colorless to slight yellow

Odor: Mild

Odor Threshold: No information available

Property

Values

Remarks/ Method

pH:

6.1

Melting Point/Range

No data available

Freezing Point/Range (C):

3.8°C

Boiling Point/Range

No data available < 200°C

Flash Point

247°C

ASTM D 93

Evaporation rate

No data available

9. Physical and Chemical Properties

Vapor Pressure	< 0.01 mmHg
Vapor Density	>1
Specific Gravity	1.057
Water Solubility	Soluble 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

VOC Content (%)	No data available
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10. Stability and Reactivity

Reactivity

Not applicable

Chemical Stability

Stable

Possibility of Hazardous Reactions

Will Not Occur

Conditions to Avoid

Keep away from heat, sparks and flame.

Incompatible Materials

Strong oxidizers. Strong acids. Strong alkalis.

Hazardous Decomposition Products

Carbon monoxide and carbon dioxide.

11. Toxicological Information

Information on routes of exposure

Principle Route of Exposure Eye or skin contact, inhalation.

Symptoms related to exposure

Most Important Symptoms/Effects

May cause eye burns. May cause skin irritation. May be harmful if swallowed.

Numerical measures of toxicity

Substances	LD50 Oral	LD50 Dermal	LC50 Inhalation
Nonylphenol ethoxylated	No data available	LD50: > 2500 mg/kg	No data available
Polyethylene glycol	28 g/kg (Rat)	20 g/kg (Rabbit)	No data available
Oxylated alkylphenols	No data available	No data available	No data available

Immediate, delayed and chronic health effects from exposure

Inhalation

May cause respiratory irritation.

Eye Contact

Causes severe eye irritation May cause eye burns.

Skin Contact

Prolonged or repeated contact may cause skin irritation. May be absorbed through the skin and produce effects similar to those caused by inhalation and/or ingestion.

Ingestion May cause abdominal pain, vomiting, nausea, and diarrhea. Aspiration into the lungs may cause chemical pneumonitis including coughing, difficulty breathing, wheezing, coughing up blood and pneumonia, which can be fatal.

Chronic Effects/Carcinogenicity May contain ethylene oxide in the headspace of the drum. Ethylene oxide is a cancer and reproductive hazard.

Exposure Levels

No data available

Interactive effects

None known.

Data limitations

No data available

12. Ecological Information

Ecotoxicity

Product Ecotoxicity Data

No data available

Substance Ecotoxicity Data

Substances	Toxicity to Algae	Toxicity to Fish	Toxicity to Microorganisms	Daphnia Magna (Water Flea)
Nonylphenol ethoxylated	No information available	No information available	No information available	No information available
Polyethylene glycol	EC50: 7895 mg/l (Skeletonea costatum)	EC50: 12821 mg/l (Corophium volutator)	No information available	TLM48: > 10000 mg/l (Acartia tonsa)
Oxylated alkylphenols	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

Other adverse effects

Endocrine Disruptor Information

This product does not contain any known or suspected endocrine disruptors

13. Disposal Considerations

Safe handling and disposal methods

Disposal should be made in accordance with federal, state, and local regulations. Incineration recommended in approved incinerator according to federal, state, and local regulations.

Disposal of any contaminated packaging

Follow all applicable national or local regulations.

Environmental regulations

Not applicable

14. Transport Information

Transportation Information

UN Number:	Not restricted.
UN Proper Shipping Name:	Not restricted
Transport Hazard Class(es):	Not applicable
Packing Group:	Not applicable
Environmental Hazards:	Not applicable

Special precautions during transport

None

HazChem Code

None Allocated

15. Regulatory Information

Safety, health and environmental regulations specific for the product

International Inventories

Australian AICS Inventory	All components listed on inventory or are exempt.
New Zealand Inventory of Chemicals	All components listed on inventory or are exempt.
EINECS Inventory	This product does not comply with EINECS
US TSCA Inventory	All components listed on inventory or are exempt.
Canadian DSL Inventory	All components listed on inventory or are exempt.

Poisons Schedule number

None Allocated

16. Other Information

Date of preparation or review

Revision Date: 06-May-2013

Revision Note

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 abbreviations or acronyms used

Not applicable

Key literature references and sources for data

www.ChemADVISOR.com/

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End of Safety Data Sheet