

# SAFETY DATA SHEET

## APPLIED DUOSOLVE

Infosafe No.: 2AP7W  
ISSUED Date : 14/06/2017  
ISSUED by: ITW POLYMERS & FLUIDS

### 1. IDENTIFICATION

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**GHS Product Identifier**

APPLIED DUOSOLVE

**Product Code**

A8355

**Company Name**

ITW POLYMERS & FLUIDS (ABN 63 004 235 063)

**Address**

100 Hassall Street Wetherill Park  
NSW 2164 Australia

**Telephone/Fax Number**

Tel: 1800 063 511; +61 2 9757 8800

Fax: 1800 803 596; +61 2 9757 3855

**Emergency phone number**

1800 385 556 / 0438 465 960

**E-mail Address**

info@itwpcf.com.au

**Recommended use of the chemical and restrictions on use**

Multi-purpose heavy duty solvent cleaner.

**Disclaimer**

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**Websites:**

www.itwpcf.com.au

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**Fluid Chemicals NZ**

5A Andrew Baxter Drive, Airport Oaks, Auckland, 2150

Postal Address: P.O. Box 201185 , Auckland Airport, 2150, New Zealand

EMERGENCY TEL: 0800 154 666

### 2. HAZARD IDENTIFICATION

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**GHS classification of the substance/mixture**

Classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail. (7th edition)

Classified as Dangerous Goods for transport according to the New Zealand Standard NZS 5433:2012 Transport of Dangerous Goods on Land.

Hazardous to the Aquatic Environment - Long-Term Hazard: Category 2

STOT Single Exposure: Category 3 (respiratory tract irritation)

Classified as Hazardous according to the Globally Harmonised System of Classification and Labelling of Chemicals (GHS) including Work, Health and Safety Regulations, Australia.

Classified as Hazardous according to the Hazardous Substances (Minimum Degrees of Hazard) Regulations 2001, New Zealand.

Aspiration Hazard: Category 1

Carcinogenicity: Category 2  
Skin Corrosion/Irritation: Category 2  
Eye Damage/Irritation: Category 2A  
Flammable Liquids: Category 4

**Signal Word (s)**

DANGER

**Hazard Statement (s)**

Combustible liquid.  
May be fatal if swallowed and enters airways.  
Causes skin irritation.  
Causes serious eye irritation.  
Suspected of causing cancer.

**Pictogram (s)**

Exclamation mark, Health hazard, Environment



**Precautionary statement – Prevention**

Keep away from heat/sparks/open flames/hot surfaces. – No smoking.  
Use only outdoors or in a well-ventilated area.  
Avoid breathing dust/fume/gas/mist/vapours/spray.  
Do not eat, drink or smoke when using this product.  
Wear protective gloves/protective clothing/eye protection/face protection.  
Avoid release to the environment.

**Precautionary statement – Response**

IF SWALLOWED: rinse mouth. Do NOT induce vomiting.  
IF ON SKIN: Wash with plenty of soap and water.  
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.  
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
IF exposed or if you feel unwell: Call a POISON CENTER or doctor/physician.

**Precautionary statement – Storage**

Store in a well-ventilated place. Keep container tightly closed.  
Store locked up.

**Other Information**

Australian Dangerous Goods Exemption  
Australian Special Provisions; AU01: Environmentally Hazardous Substances meeting the description of UN 3077 or UN 3082 are not subject to this Code (ADG 07) when transported by road or rail in;  
(a) packagings that do not incorporate a receptacle exceeding 500 Kg (L); or  
(b) IBCs.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

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**Information on Composition**

1,2,4-trimethylbenzene and naphthalene are present as components of the aromatic hydrocarbon.

## Ingredients

Name	CAS	Proportion
Aromatic hydrocarbon	64742-94-5	0-70 %
1,2,4-trimethylbenzene	95-63-6	0-<15 %
Naphthalene	91-20-3	0-<10 %
Nonylphenol ethoxylate surfactant		0-<15 %
Other ingredients determined not to be hazardous, including water		0-5 %

## 4. FIRST-AID MEASURES

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### Inhalation

Remove victim from exposure if safe to do so. Keep the person calm. Remove them to fresh air and rest. Do NOT give anything to drink. If breathing has stopped, assist ventilation with a mechanical device or use mouth-to-mouth resuscitation. If rapid recovery does not occur, transport to nearest medical facility for additional treatment.

For those providing assistance, avoid exposure to self or others.

### Ingestion

If swallowed, do NOT induce vomiting. Transport to nearest medical facility for additional treatment. If vomiting occurs spontaneously, keep head below hips to prevent aspiration.

### Skin

If skin contact occurs, remove contaminated clothing and wash skin thoroughly with water and follow by washing with soap and water if available. Launder contaminated clothing before reuse.

### Eye contact

If in eyes, hold eyes open, flood with water for at least 15 minutes. If symptoms persist transport to nearest medical facility for additional treatment.

### Advice to Doctor

If ingested, material may be aspirated into the lungs and cause chemical pneumonitis. Treat appropriately.

### Most important symptoms/effects, acute and delayed

Headache, dizziness, drowsiness, nausea and other CNS effects

## 5. FIRE-FIGHTING MEASURES

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### Fire Fighting Measures

Evacuate area. Prevent run-off from fire control or dilution from entering streams, sewers or drinking water supply. Fire-fighters should use standard protective equipment and in enclosed spaces, self-contained breathing apparatus (SCBA). Use water spray to cool fire exposed surfaces and to protect personnel.

### Suitable Extinguishing Media

Use the following extinguishing media -  
foam,  
or water fog.  
dry chemical,

### Unsuitable Extinguishing Media

Jets of water

### Hazards from Combustion Products

Oxides of carbon, Smoke, Fume, Incomplete combustion products

### Specific Hazards Arising From The Chemical

Combustible liquid. In the event of fire, this product has a risk of fuelling a fire in progress.

### Hazchem Code

•3Z

### Precautions in connection with Fire

Firefighters to wear breathing apparatus, full protective clothing and protective gloves while attending fire .  
Remove ignition sources if safe to do so.

## 6. ACCIDENTAL RELEASE MEASURES

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### Emergency Procedures

Extinguish or remove all sources of ignition and stop leak if safe to do so.

Large Spills: Contain far ahead of liquid spill for later recovery and disposal. Prevent entry into waterways, sewers, basements or confined areas.

### Methods And Materials For Containment And Cleaning Up

Contain using sand and earth - prevent runoff into drains and waterways. Use absorbent (soil or sand, sawdust, inert material, vermiculite). Collect and seal in properly labelled drums for disposal.

Large Spills: Water spray may reduce vapour, but may not prevent ignition in enclosed spaces.

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Water Spill: Stop leak if you can do so without risk. Confine the spill immediately with booms. Remove from the surface by skimming or with suitable absorbents. Seek the advice of a specialist before using dispersants.

## 7. HANDLING AND STORAGE

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### Precautions for Safe Handling

Avoid all personal contact. Potentially toxic/irritating fumes/vapour may be evolved from heated or agitated material. Use only with adequate ventilation. Extinguish any naked flames. Remove ignition sources. Avoid sparks. Do not smoke. Avoid generation of mists or aerosols.

### Conditions for safe storage, including any incompatibilities

Keep container tightly closed

Keep away from sources of heat or ignition.

Store in a cool, dry, well-ventilated place.

Classified as a class C1 combustible liquid for storage and handling purposes.

Store away from oxidising substances.

### Unsuitable Materials

Butyl Rubber; Natural Rubber; Ethylene-propylene-diene monomer (EPDM); Polystyrene; Polyethylene; Polypropylene; Polyacrylonitrile

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

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### Occupational exposure limit values

Substance	Regulations	Exposure Duration	Exposure Limit	Units	Notes
Naphthalene		TWA	10	ppm	
Naphthalene		TWA	52	mg/m3	
Naphthalene		STEL	15	ppm	
Naphthalene		STEL	79	mg/m3	

### Biological Limit Values

None established in Australia.

### Appropriate Engineering Controls

In enclosed spaces, use exhaust ventilation systems.

### Personal Protective Equipment

Safety Glasses. Protective overalls. Viton or nitrile gloves. When using the concentrated product or in confined spaces, wear Type A, organic vapour, respirator.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

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### Appearance

Clear brown low viscosity liquid.

### Odour

Characteristic hydrocarbon odour.

### Specific Gravity

0.915

### pH

1% solution: 8.6

### Flash Point

Open Cup 78°C

### Flammability

Combustible.

## 10. STABILITY AND REACTIVITY

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### Chemical Stability

Stable under normal use conditions.

### Conditions to Avoid

Sources of heat and ignition, open flames.

### Hazardous Decomposition Products

No decomposition products except on burning. See Fire Fighting Measures.

### Possibility of hazardous reactions

Oxidising agents, mineral acids, halogenated organic compounds.

## 11. TOXICOLOGICAL INFORMATION

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### Acute Toxicity - Oral

For the ingredient Aromatic Hydrocarbon:(Rat): LD50 > 5000 mg/kg

### Acute Toxicity - Inhalation

For the ingredient Aromatic Hydrocarbon:(Rat) LC50 > 4688 mg/m<sup>3</sup> Minimally Toxic.

### Acute Toxicity - Dermal

For the ingredient Aromatic Hydrocarbon: (Rabbit): LD50 > 2000 mg/kg

### Ingestion

Harmful if swallowed.

Swallowing can result in nausea, vomiting and irritation of the gastrointestinal tract. May cause lung damage if swallowed. Small amounts of liquid aspirated into the respiratory system during ingestion or vomiting may cause bronchopneumonia or pulmonary oedema

### Inhalation

The vapour may be an irritant to the mucous membranes and respiratory tract.

### Skin

Contact with skin may result in irritation.

### Eye

May cause mild irritation, resulting in redness and lachrymation.

### Serious eye damage/irritation

May cause mild, short-lasting discomfort to eyes

### Respiratory Irritation

Elevated temperatures or mechanical action may form vapours, mist, or fumes which may be irritating to the eyes, nose, throat, or lungs.

**Skin Sensitisation**

Not expected to be a skin sensitizer. Based on test data for structurally similar materials.

**Carcinogenicity**

NAPHTHALENE (present in the aromatic hydrocarbon): Exposure to high concentrations of naphthalene may cause destruction of red blood cells, anemia, and cataracts. Naphthalene caused cancer in laboratory animal studies, but the relevance of these findings to humans is uncertain.

**STOT-single exposure**

May cause drowsiness or dizziness.

**STOT-repeated exposure**

Not expected to cause organ damage from prolonged or repeated exposure.

**Aspiration Hazard**

May be fatal if swallowed and enters airways. Based on physico-chemical properties of aromatic hydrocarbon.

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**12. ECOLOGICAL INFORMATION**

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**Ecotoxicity**

Avoid contamination of waterways.

Expected to be toxic to aquatic organisms. May cause long-term adverse effects in the aquatic environment.

(The information given is based on data available for the components of the material, and similar materials.)

**Persistence and degradability**

No data for this product, however based on data for similar products, it is expected to degrade rapidly in air. Expected to be inherently biodegradable.

Transformation due to hydrolysis not expected to be significant. Transformation due to photolysis not expected to be significant.

**Mobility**

Expected to partition to sediment and wastewater solids. Moderately volatile.

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**13. DISPOSAL CONSIDERATIONS**

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**Waste Disposal**

Product is suitable for burning in an enclosed controlled burner for fuel value or disposal by supervised incineration at very high temperatures to prevent formation of undesirable combustion products.

**Product Disposal**

Recover or recycle if possible. Otherwise arrange disposal with a licensed waste contractor.

**Container Disposal**

Empty containers may contain residue and can be dangerous. Do not attempt to refill or clean containers without proper instructions. Empty drums should be completely drained and safely stored until appropriately reconditioned or disposed. Empty containers should be taken for recycling, recovery, or disposal through suitably qualified or licensed contractor and in accordance with governmental regulations. DO NOT PRESSURISE, CUT, WELD, BRAZE, SOLDER, DRILL, GRIND, OR EXPOSE SUCH CONTAINERS TO HEAT, FLAME, SPARKS, STATIC ELECTRICITY, OR OTHER SOURCES OF IGNITION. THEY MAY EXPLODE AND CAUSE INJURY OR DEATH.

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**14. TRANSPORT INFORMATION**

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**Transport Information**

Australian Special Provisions; AU01: Environmentally Hazardous Substances meeting the description of UN 3077 or UN 3082 are not subject to this Code (ADG 07) when transported by road or rail in;

(a) packagings that do not incorporate a receptacle exceeding 500 Kg (L); or

(b) IBCs.

**U.N. Number**

3082

**UN proper shipping name**

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.(Contains Alkyl (C3-C6) Benzenes)

**Transport hazard class(es)**

9

**Packing Group**

III

**Hazchem Code**

•3Z

**IERG Number**

47

**IMDG Class/Packing Group**

Class 9

Packing Group:III

**EMS**

F-A, S-F

**Marine Pollutant**

Yes

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**15. REGULATORY INFORMATION**

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**Poisons Schedule**

S5

**National and or International Regulatory Information**

New Zealand HSNO Classification: Solvents(Combustible) GROUP STANDARD 2006

HSNO NR: HSR002649

NEW ZEALAND HAZARD CLASSIFICATION CODES: 3.1D, 6.1D, 9.1C, 9.1D

GLOSSARY - New Zealand HSNO Hazard Classifications

3.1D Flash Point (closed cup) &gt;60C but &lt;= 93C

6.1D Acutely toxic: oral LD50 &gt; 300 mg, &lt;= 2000 mg/kg

9.1C Substances that are harmful in the aquatic environment

9.1D Substances that are slightly harmful to the aquatic environment or are otherwise designed for biocidal action

Note: Classification code 3.1D is NOT the same as Dangerous Goods Class 3 and product is not classified as a flammable liquid in Australia or New Zealand.

**Australia (AICS)**

All components listed.

**Other Information**

All components listed on the New Zealand Inventory of Chemicals (NZIoC)

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**16. OTHER INFORMATION**

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**Date of preparation or last revision of SDS**

Replaces SDS dated 2014

**References**

Australian Code for the Transport of Dangerous Goods by Road and Rail.

International Maritime Dangerous Goods Code.

International Air Transport Association Dangerous Goods Regulations.

Globally Harmonised System of Classification and Labelling of Chemicals,ST/SG/AC.10/30, United Nations 2003

Supplier Safety Data Sheets

European Chemicals Agency, <http://echa.europa.eu/>

User Guide to the HSNO Thresholds and Classifications,ERMA New Zealand (2001)

**Contact Person/Point**

This Safety Data Sheet summarises at the date of issue to the best of our knowledge, the health and safety hazards of the product and how to safely handle and use the product.

As ITW Polymers & Fluids cannot anticipate or control the conditions under which the product is used, customers are encouraged,

prior to usage, to assess and control the risks associated with their use of the product.  
Data sheets from unauthorised sources may contain information that is no longer current or accurate.  
This SDS is valid for 5 years from date of issue. However, this version may be revoked and revised at any time, and users should contact ITW Polymers & Fluids to ensure they are in possession of the latest version.

**Signature of Preparer/Data Service**

AMS

**END OF SDS**

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