

SAFETY DATA SHEET

APPLIED 2544Infosafe No.: 1APT8
ISSUED Date : 01/12/2015
ISSUED by: ITW POLYMERS & FLUIDS

1. IDENTIFICATION

GHS Product Identifier

APPLIED 2544

Product Code

2544

Company Name

ITW POLYMERS & FLUIDS (ABN 63 004 235 063)

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NSW 2164 Australia**Telephone/Fax Number**

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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

Designed to remove brake dust from carriages, locomotives and other associated rail equipment.

Other Names

Name	Product Code
APPLIED 2544 TRANS CLEAN	A2544
CONTAINS OXALIC ACID	
TRANS CLEAN	2544

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

GHS classification of the substance/mixture

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

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

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

Acute Toxicity - Dermal: Category 4

Acute Toxicity - Oral: Category 4

Corrosive to Metals: Category 1

Eye Damage/Irritation: Category 2B

Skin Corrosion/Irritation: Category 2

Signal Word (s)

WARNING

Hazard Statement (s)

May be corrosive to metals.

Harmful if swallowed.

Harmful in contact with skin.

Causes skin irritation.

Causes eye irritation.

Pictogram (s)

Exclamation mark, Corrosion



Precautionary statement – Prevention

Keep only in original container.

Wash contaminated skin thoroughly after handling.

Do not eat, drink or smoke when using this product.

Wear protective gloves/protective clothing/eye protection/face protection.

Precautionary statement – Response

IF SWALLOWED: rinse mouth. Do NOT induce vomiting.

IF ON SKIN: Wash with plenty of soap and water.

If skin irritation occurs: Get medical advice/attention.

Take off contaminated clothing and wash before reuse.

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

If eye irritation persists: Get medical advice/attention.

Call a POISON CENTER or doctor/physician if you feel unwell.

Absorb spillage to prevent material damage.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients

Name	CAS	Proportion
Oxalic acid	144-62-7	10-30 %
Surfactant package- proprietry		1-10 %
Ethanolamine	141-43-5	0-<10 %
Water	7732-18-5	Balance
Ingredients determined not to be hazardous		10-20 %

4. FIRST-AID MEASURES

Inhalation

Move patient to fresh air. Monitor for respiratory distress. If cough or difficulty breathing develops, seek immediate medical attention. In case of unconsciousness place patient stably in side position for transportation to hospital.

Ingestion

Keep the person as calm as possible. Rinse mouth with water. Give plenty of water to drink provided victim is conscious. If milk is available you may give 1-2 glasses to aid neutralisation of the oxalic acid with calcium.

DO NOT give water or milk if the person is having symptoms (such as vomiting, convulsions, or a decreased level of alertness) that make it hard to swallow or is unconscious.

DO NOT make a person throw up unless told to do so by a Poisons Information Centre or a medical doctor.

Seek medical attention immediately.

Skin

Rinse skin with plenty of water or shower for at least 15 minutes.

Continue to rinse until all of the substance is removed. Do NOT scrub the skin.

If irritation occurs seek medical advice. Remove contaminated clothing and wash before re-use.

Eye contact

Remove contact lenses and rinse exposed eyes with plenty of room temperature water for at least 15 minutes. If irritation, pain, swelling, lacrimation (tears), or photophobia (sensitivity to light) continues after 15 minutes of rinsing, seek medical attention.

First Aid Facilities

Eye wash station, safety shower and normal washroom facilities.

Advice to Doctor

Treat symptomatically as for oxalic acid poisoning

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Use water fog, foam, dry chemical or carbon dioxide for surrounding fires as governed by adjacent materials.

Hazards from Combustion Products

Combustion products include oxides of carbon.

Hazchem Code

2X

6. ACCIDENTAL RELEASE MEASURES

Emergency Procedures

Slippery when spilt. Avoid accidents, clean up immediately. Isolate leaking containers and stop leak if safe to do so. Wear appropriate protective clothing. Clear area of unnecessary and unprotected personnel. Prevent spills from entering drains or waterways.

Methods And Materials For Containment And Cleaning Up

Use absorbent (soil or sand, sawdust, inert material, vermiculite). Sweep up. Collect and seal in properly labelled drums for disposal.

Collect and seal in properly labelled drums for disposal. Neutralise remaining product with lime or soda ash, adjusting pH to 6 - 10.

Wash away residues with plenty of water.

7. HANDLING AND STORAGE

Precautions for Safe Handling

Avoid breathing vapour, spray or mists.

Wash thoroughly after handling. Wear personal protective equipment (See Section 8) when handling.

Conditions for safe storage, including any incompatibilities

Store in cool place and out of direct sunlight.

Keep containers securely sealed and protected against physical damage.

Store in original packaging. Container must remain labelled until all residues are removed.

Storage Regulations

This product is classified as an S6 poison and a Dangerous Good for storage and transport purposes and therefore must be stored in accordance with the prevailing regulations.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational exposure limit values

Substance	Regulations	Exposure Duration	Exposure Limit	Units	Notes
Oxalic acid		TWA	1	mg/m ³	
Oxalic acid		STEL	2	mg/m ³	
Ethanolamine		TWA	3	ppm	
Ethanolamine		TWA	7.5	mg/m ³	
Ethanolamine		STEL	6	ppm	
Ethanolamine		STEL	15	mg/m ³	

Appropriate Engineering Controls

Use with adequate ventilation.

Avoid generation and inhalation of mists or aerosols.

Personal Protective Equipment

The following personal protective equipment must be worn.

Overalls or similar protective apparel.

Safety glasses, goggles or faceshield as appropriate.

PVC or rubber gloves.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Clear, straw coloured acidic liquid.

Soluble in water to produce foaming solutions.

Boiling Point

>100°C

Specific Gravity

1.11 at 20°C

pH

As supplied 1.9 ± 0.2 1% soln 2.5 ± 0.2

Vapour Pressure

18 mm Hg at 20°C

Flash Point

Non flammable

Flammability

Non combustible. Non flammable.

Flammable Limits - Lower

Not Required

10. STABILITY AND REACTIVITY

Chemical Stability

Stable under normal use conditions.

Incompatible materials

Alkaline solutions, ammonia, halogenates, oxidising agents, metals.

Possibility of hazardous reactions

The substance is a strong acid, it reacts violently with bases and is corrosive to many metals, in particular zinc and magnesium.

11. TOXICOLOGICAL INFORMATION

Toxicology Information

as Oxalic acid

Oral LD50 (rat): 7500 mg/kg

IRRITATION DATA:

Skin: Rabbit: 500 mg/24 hours : Mild

Eye: Rabbit: 250 micrograms/24 hours : Severe

Eye: Rabbit: 100 milligrams/5 minutes : Rinse : Severe

Ingestion

Symptoms of oxalic acid poisoning, the active ingredient in Trans Clean, include abdominal pain, diarrhea, burns and blisters where the acid contacted the skin, collapse, convulsions, mouth and throat pain, shock and tremors, vomiting.

Inhalation

Inhalation may result in respiratory irritation. Inhaled oxalic acid is readily absorbed into the body and may cause headaches and nausea.

Skin

Contact with skin may result in irritation. Strong solutions of oxalic acid are irritating to the skin after prolonged exposure and can cause corrosive injury.

Eye

Irritant. Will cause redness, lachrymation and inflammation of the eyelids.

Chronic Effects

Chronic exposure to mist or dust has been reported to cause chronic inflammation of the upper respiratory tract.

Long term exposure can result in kidney stones and stone formation in the urinary tract.

12. ECOLOGICAL INFORMATION

Ecotoxicity

This product is expected to be harmful to the environment in high concentrations due to its acidity.

Persistence and degradability

Organic ingredients are readily biodegradable. Oxalic acid is readily biodegradable, meeting the 10 day window. The biodegradation in seawater

occurs at the same rate. Also the anaerobic biodegradation occurs rapidly.

13. DISPOSAL CONSIDERATIONS

Waste Disposal

If the facility has a means of pH control of trade waste, small amounts may be washed with a large excess of water to the pH treatment pit and then to sewer as treated trade waste.

Otherwise refer to local trade waste regulations.

Large quantities of concentrate should be disposed via a licensed waste contractor.

Container Disposal

Rinse out container with water and dispose in plastics recycling bin.

Container must remain labelled until all traces and residues are removed.

14. TRANSPORT INFORMATION

Transport Information

Dangerous Goods of Class 8 Corrosives are incompatible in a placard load with any of the following: - Class 1, Class 4.3, Class 5, Class 6, if the Class 6 dangerous goods are cyanides and the Class 8 dangerous goods are acids and Class 7.

Dangerous goods according to the Australian Code for the Transport of

Dangerous Goods by Road and Rail

Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea
Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air.

U.N. Number

1760

UN proper shipping name

CORROSIVE LIQUID, N.O.S.(Contains oxalic acid)

Transport hazard class(es)

8

Packing Group

II

Hazchem Code

2X

EPG Number

8A1

IERG Number

37

IMDG UN No

1760

IMDG Hazard Class

8

IMDG Pack. Group

II

IMDG EMS

F-A,S-B

15. REGULATORY INFORMATION

Poisons Schedule

S6

Australia (AICS)

All ingredients listed.

16. OTHER INFORMATION

Date of preparation or last revision of SDS

Replaces SDS dated 29 Dec 2010

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

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

Revisions Highlighted

Five year review.

END OF SDS

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