

1. IDENTIFICATION

Product Identifier

Product Name GRAFIKLEEN R504-WD ECO

Recommended use of the chemical and restrictions on use

Recommended use Solvent cleaner
Restrictions on use For industrial use only

Supplier details

West Penetone Inc.
 10900 Secant
 Montréal, QC,
 H1J 1S5
 Tel: 514-355-4660

Emergency Telephone Number

Canutec: (613)-996-6666

2. HAZARDS IDENTIFICATION

Classification

Flammable liquids	Category 3
Skin corrosion/irritation	Category 2
Eye damage/ irritation	Category 1
Skin sensitizer	Category 1
Aspiration hazard	Category 1
Specific target organ toxicity (single exposure)	Category 3

Label Elements

DANGER

Hazard Statements

Flammable liquid and vapor
 Causes skin irritation
 Causes serious eye damage
 May cause an allergic skin reaction
 May be fatal if swallowed and enters airways
 May cause respiratory irritation
 May cause drowsiness or dizziness



Precautionary Statements - Prevention

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
 Keep container tightly closed.
 Wash face, hands and any exposed skin thoroughly after handling.
 Avoid breathing mist/vapors/spray. Use only outdoors or in a well-ventilated area.
 Wear protective gloves/protective clothing/eye protection/face protection.
 Contaminated work clothing must not be allowed out of the workplace.

Precautionary Statements - Response

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician.

IF ON SKIN (or hair): Wash with plenty of water. If skin irritation or rash occurs, get medical advice/attention. Take off contaminated clothing and wash it before re-use.

IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER or doctor/physician.

In case of fire: Use CO₂, foam, dry chemical, water fog to extinguish.

Precautionary Statements - Storage

Store locked up. Store in a well ventilated place. Keep cool.

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant according to local, provincial/federal regulations.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	CAS-No	Weight %
Stoddard Solvent	8052-41-3	45-50
Aromatic hydrocarbons	64742-95-6	30-40
d-limonene	5989-27-5	5-10
Dipropylene glycol methyl ether	34590-94-8	1-5
Alcohol ethoxylate (C10)	34398-01-1	1-5

4. FIRST AID MEASURES

Eye contact	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician
Skin contact	Wash with plenty of water. If skin irritation or rash occurs, get medical advice/attention. Take off contaminated clothing and wash it before re-use.
Inhalation	If difficulties occur after mist/vapors/spray has been inhaled, remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.
Ingestion	Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER or doctor/physician.

Most important symptoms and effects, both acute and delayed

Contact with eyes may cause serious damage leading to irritation, discomfort or pain, excess blinking and tear production with marked excess redness and swelling of the conjunctiva. Contact with skin may cause irritation with local redness. May cause an allergic skin reaction with prolonged or repeated exposure. Inhalation of mist/vapors/spray may cause respiratory tract irritation leading to a temporary burning sensation of the nose and throat, coughing, and difficulty breathing. Ingestion may cause irritation or a burning sensation of the mouth and throat and abdominal pain. May cause pneumonitis if aspirated.

Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

CO₂, foam, dry chemical, water fog.

Unsuitable Extinguishing Media

Do not use a solid water stream as this may spread the fire.

Specific hazards arising from the chemical

During fire, gases hazardous to health may be formed including oxides of carbon, nitrogen, and sulfur and other irritating gases.

Protective Equipment and Precautions for Firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation. Remove all sources of ignition. Avoid contact with skin, eyes and clothing. Use personal protective equipment.

Environmental Precautions

Avoid discharge into drains/surface waters/groundwater.

Methods and material for containment and cleaning up

Contain and solidify with inert absorbent material. Keep in suitable, closed containers for disposal. Following product recovery, flush area with water.

7. HANDLING AND STORAGE

Precautions for Safe Handling

Handling

Avoid contact with skin, eyes and clothing. Ensure thorough ventilation of work areas.

Conditions for safe storage, including any incompatibilities

Storage

Keep containers tightly closed away from direct sunlight in a dry, cool and well-ventilated place, away from incompatible materials.

Incompatible Materials

Strong oxidizing agents

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Control parameters

Only constituents with exposure limits are listed. Any constituent not listed has no known exposure limit.

Chemical Name	ACGIH TLV
Dipropylene glycol methyl ether 34590-94-8	TWA : 100 ppm STEL : 150 ppm
Stoddard Solvent 8052-41-3	TWA : 100 ppm

Appropriate engineering controls

Engineering Controls

Ensure adequate ventilation, especially in confined areas.

Individual protection measures, such as personal protective equipment

Eye/face Protection

Safety glasses with side shields.

Skin and body protection

Wear solvent-proof gloves.

Respiratory Protection

If exposure limits are exceeded or if ventilation is inadequate, NIOSH/MSHA approved respiratory protection for organic vapors should be worn.

General Hygiene Considerations

Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE :

Clear, yellow liquid

ODOR

Citrus

ODOR THRESHOLD :

Not applicable

pH :

Not applicable

MELTING POINT / FREEZING POINT :

Not available

BOILING POINT/BOILING RANGE :

> 150°C

FLASH POINT :

40°C (TCC)

EVAPORATION RATE, acetone = 1 :

< 1

FLAMMABILITY (SOLID, GAS):

Not applicable

VAPOR PRESSURE, mm Hg AT 20°C :

Not applicable

VAPOR DENSITY (Air = 1) :

> 1

RELATIVE DENSITY AT 20°C:

0.83

SOLUBILITY IN WATER :

Forms emulsion

PARTITION COEFFICIENT, N-OCTANOL/WATER :

Not available

AUTO-IGNITION TEMPERATURE :

Not available

DECOMPOSITION TEMPERATURE:

Not available

VISCOSITY:

< 10 cps

FLAMMABLE LIMITS :**UPPER:** Not available **LOWER :** Not available

10. STABILITY AND REACTIVITY

Reactivity

Not reactive.

Conditions to Avoid

Avoid all sources of ignition: open flame. Store away from incompatible materials.

Chemical Stability

Stable under normal conditions.

Possibility of hazardous reactions

Under normal conditions of storage and use, hazardous reactions will not occur.

Incompatible Materials

Strong oxidizing agents

Hazardous decomposition products

None.

11. TOXICOLOGICAL INFORMATION

Acute toxicity

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Stoddard Solvent 8052-41-3	>5000 mg/kg (rat)	>3400 mg/kg (rabbit)	>13.1 mg/L (rat) 4 h
Aromatic hydrocarbons 64742-95-6	3492 mg/kg (rat)	>3160 mg/kg (rabbit)	6193 mg/m ³ (rat) 4 h
d-limonene 5989-27-5	4400 mg/kg (rat)	>5000 mg/kg (rabbit)	Not available
Dipropylene glycol methyl ether 34590-94-8	5.7 g/kg (rat)	7 mL/kg (rabbit)	> 500 ppm/7H (rat)
Alcohol ethoxylate (C10) 34398-01-1	>2000 mg/kg (rat)	>2000 mg/kg (rabbit)	Not applicable

Information on likely sources of exposure**Inhalation**

May cause respiratory irritation and possible damage

Serious eye damage/irritation

Causes serious eye damage.

Skin corrosion/irritation

Causes skin irritation and possible sensitization.

Ingestion

May be harmful if swallowed. Minimally toxic.

Delayed and immediate effects and also chronic effects from short and long-term exposure

Respiratory or skin sensitization	May cause an allergic skin reaction
Germ cell mutagenicity	None known
Carcinogenicity	No listed human carcinogens.
Reproductive toxicity	No information available
STOT - single exposure	May cause respiratory irritation, drowsiness, or dizziness.
STOT - repeated exposure	No information available
Aspiration Hazard	May be fatal if swallowed and enters airways

Symptoms related to the physical, chemical and toxicological characteristics

See Section 2 & 4.

12. ECOLOGICAL INFORMATION**Ecotoxicity**

No information available

Persistence and degradability

No information available

Bioaccumulative potential

No information available

Mobility in soil

No information available

Other adverse effects

None known

13. DISPOSAL CONSIDERATIONS**Waste Disposal Method**

Dispose of in accordance with local regulations.

Contaminated Packaging

Empty containers should be taken for local recycling, recovery or waste disposal.

14. TRANSPORT INFORMATION**TDG classification**

UN 1993, Flammable Liquid, N.O.S. (petroleum distillate), Class 3, PG III

15. REGULATORY INFORMATION

All ingredients are listed on the DSL

16. OTHER INFORMATION**Preparation Date**

January 2, 2017

Revision Date

not applicable

Revision Note

not applicable

Disclaimer

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End of SDS