

1. IDENTIFICATION

Product Identifier

Product Name GRAFIKLEEN R303

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
Eye damage/ irritation	Category 2A
Aspiration hazard	Category 1
Specific target organ toxicity (single exposure)	Category 3

Label Elements

DANGER

Hazard Statements

Flammable liquid and vapor
 Cause serious eye irritation
 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.
 Avoid breathing mist/vapors/spray. Use only outdoors or in a well-ventilated area.
 Ground/bond container and receiving equipment. Use explosion-proof electrical, ventilating, lighting, and mixing equipment.
 Use only non-sparking tools. Take action to prevent static discharges.
 Wash face, hands and any exposed skin thoroughly after handling.
 Wear eye protection/face protection.

Precautionary Statements - Response

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

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.

IF SWALLOWED: 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 container tightly closed. 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 %
Aliphatic hydrocarbons	64742-88-7	35-45
Aromatic hydrocarbons	64742-95-6	25-35
Diethylene glycol monobutyl ether	112-34-5	25-35

4. FIRST AID MEASURES

Eye contact	Rinse cautiously with water for several minutes. Call a physician if irritation persists.
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	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 irritation or discomfort. 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, smoke 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.

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
Diethylene glycol monobutyl ether 112-34-5	TWA: 10 ppm
Aromatic hydrocarbons 64742-95-6	TWA: 100 mg/m ³ (supplier recommendation)

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

<p>APPEARANCE : Clear, colorless liquid</p> <p>ODOR Solvent</p> <p>ODOR THRESHOLD : Not applicable</p> <p>pH : Not applicable</p> <p>MELTING POINT / FREEZING POINT : < - 40°C</p> <p>BOILING POINT/BOILING RANGE : 160°C</p> <p>FLASH POINT : 40°C (TCC)</p> <p>EVAPORATION RATE, acetone = 1 : < 1</p> <p>FLAMMABILITY (SOLID, GAS): Not applicable</p>	<p>VAPOR PRESSURE, mm Hg AT 20°C : Not available</p> <p>VAPOR DENSITY (Air = 1) : > 1</p> <p>RELATIVE DENSITY AT 20°C: 0.83</p> <p>SOLUBILITY IN WATER : Insoluble</p> <p>PARTITION COEFFICIENT, N-OCTANOL/WATER : Not available</p> <p>AUTO-IGNITION TEMPERATURE : Not available</p> <p>DECOMPOSITION TEMPERATURE: Not available</p> <p>VISCOSITY: < 10 cps</p> <p>FLAMMABLE LIMITS : UPPER: Not applicable LOWER : Not applicable</p>
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10. STABILITY AND REACTIVITY

<p><u>Reactivity</u> Not reactive</p> <p><u>Chemical Stability</u> Stable under normal conditions.</p> <p><u>Incompatible Materials</u> Strong oxidizers.</p>	<p><u>Conditions to Avoid</u> Store away from incompatible materials and sources of ignition.</p> <p><u>Possibility of hazardous reactions</u> None</p> <p><u>Hazardous decomposition products</u> None</p>
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11. TOXICOLOGICAL INFORMATION

Acute toxicity

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Aliphatic hydrocarbons 64742-88-7	>2000 mg/kg (rat)	>2000 mg/kg (rabbit)	>5000 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
Diethylene glycol monobutyl ether 112-34-5	4500 mg/kg (rat)	2764 mg/kg (rabbit)	29 ppm (rat) – 2 hours

Information on likely sources of exposure

Inhalation	May cause respiratory irritation and possible damage
Serious eye damage/irritation	Causes eye irritation.
Skin corrosion/irritation	May dry skin.
Ingestion	May be harmful if swallowed. Minimal toxicity

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

Respiratory or skin sensitization	None known
Germ cell mutagenicity	None known
Carcinogenicity	No listed human carcinogens.
Reproductive toxicity	None known
STOT - single exposure	May cause respiratory irritation, drowsiness, or dizziness.
STOT - repeated exposure	None known
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