1937 Mount Vernon Avenue, Pomona CA 91768 1-800-540-5823 / 1-909-865-3081

gwlinc.com



Product identifier LPS® Precision Clean (Ready-to-use)

Other means of identification

Part Number 02728, 02765

Recommended use An industrial cleaner designed to remove grime, oils and light grease from metal, concrete and

other durable surfaces.

Recommended restrictions None known.

Manufacturer/Importer/Supplier/Distributor information

Manufacturer

Manufacturer

Company name ITW Pro Brands

Address 4647 Hugh Howell Rd.

Tucker, GA 30084

Country (U.S.A.)

Tel: +1 770-243-8800

In Case of Emergency 1-800-424-9300 (inside U.S.)

+001 703-527-3887 (outside U.S.)

Website www.lpslabs.com

E-mail lpssds@itwprobrands.com

2. Hazard(s) identification

Physical hazards Not classified.

Health hazards Skin corrosion/irritation Category 2

Serious eye damage/eye irritation Category 2B

Environmental hazards Not classified.

OSHA defined hazards Not classified.

Label elements



Signal word Warning

Hazard statement Causes skin irritation. Causes eye irritation.

Precautionary statement

Prevention Wash thoroughly after handling. Wear protective gloves.

Response If on skin: Wash with plenty of water. If in eyes: Rinse cautiously with water for several minutes.

Remove contact lenses, if present and easy to do. Continue rinsing. If skin irritation occurs: Get medical advice/attention. If eye irritation persists: Get medical advice/attention. Take off

contaminated clothing and wash before reuse.

Storage Store away from incompatible materials.

Disposal Dispose of waste and residues in accordance with local authority requirements.

Hazard(s) not otherwise

classified (HNOC)

None known.

Supplemental information None.

3. Composition/information on ingredients

Mixtures

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Chemical name	Common name and synonyms	CAS number	%
Ethoxylated alcohols		68002-97-1	0.5 - 1
Silicic acid, Disodium salt		6834-92-0	0.5 - 1
Tetrapotassium pyrophosphate		7320-34-5	0.5 - 1
Sodium dodecyl sulphate		151-21-3	0.1 - 0.5
Diethanolamine		111-42-2	< 0.1

4. First-aid measures

Move to fresh air. Call a physician if symptoms develop or persist. Inhalation

Wash off with soap and water. Get medical attention if irritation develops and persists. Skin contact

Rinse with water. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical **Eve contact**

attention if irritation develops and persists.

Ingestion Rinse mouth. Get medical attention if symptoms occur.

Most important symptoms/effects, acute and

delayed

Indication of immediate medical attention and special treatment needed

Direct contact with eves may cause temporary irritation. Symptoms may include stinging, tearing. redness, swelling, and blurred vision.

Treat symptomatically.

General information Ensure that medical personnel are aware of the material(s) involved, and take precautions to

Water fog. Foam. Dry chemical powder. Carbon dioxide (CO2).

protect themselves.

None known.

5. Fire-fighting measures

Suitable extinguishing media

Unsuitable extinguishing media

Specific hazards arising from the chemical

Special protective equipment and precautions for firefighters During fire, gases hazardous to health may be formed.

Move containers from fire area if you can do so without risk.

Fire fighting equipment/instructions

Use standard firefighting procedures and consider the hazards of other involved materials. Specific methods

General fire hazards No unusual fire or explosion hazards noted.

6. Accidental release measures

Personal precautions. protective equipment and emergency procedures

Methods and materials for containment and cleaning up

Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Keep out of low areas. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Use personal protection recommended in Section 8 of the SDS.

Firefighters should wear full protective clothing including self contained breathing apparatus.

Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Prevent entry into waterways, sewer, basements or confined areas. Following product recovery, flush area with water.

Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS. Avoid discharge into drains, water courses or onto the ground. Prevent further leakage or spillage **Environmental precautions** if safe to do so. Contact local authorities in case of spillage to drain/aquatic environment.

7. Handling and storage

Precautions for safe handling Do not breathe dust/fume/gas/mist/vapors/spray. Do not get in eyes, on skin, or on clothing. When

using, do not eat, drink or smoke. Use only outdoors or in a well-ventilated area. Wear appropriate personal protective equipment. Wash hands thoroughly after handling. Observe good industrial hygiene practices.

Conditions for safe storage, including any incompatibilities

Store in original tightly closed container. Store away from incompatible materials (see Section 10 of the SDS).

8. Exposure controls/personal protection

Occupational exposure limits

Components	Туре	Value	Form
Dipropylene Glycol Monomethyl Ether (CAS 34590-94-8)	PEL	600 mg/m3	
		100 ppm	
Glycerin (CAS 56-81-5)	PEL	5 mg/m3	Respirable fraction.
		15 mg/m3	Total dust.
US. ACGIH Threshold Limit Values			
Components	Туре	Value	Form
Diethanolamine (CAS 111-42-2)	TWA	1 mg/m3	Inhalable fraction and vapor.
Dipropylene Glycol Monomethyl Ether (CAS 34590-94-8)	STEL	150 ppm	
,	TWA	100 ppm	
US. NIOSH: Pocket Guide to Chemi	cal Hazards		
Components	Туре	Value	
Diethanolamine (CAS 111-42-2)	TWA	15 mg/m3	
		3 ppm	
Dipropylene Glycol Monomethyl Ether (CAS 34590-94-8)	STEL	900 mg/m3	
		150 ppm	
	TWA	600 mg/m3	
		-	

Biological limit valuesNo biological exposure limits noted for the ingredient(s).

Exposure guidelines

US - California OELs: Skin designation

Diethanolamine (CAS 111-42-2)

Can be absorbed through the skin.

Dipropylene Glycol Monomethyl Ether (CAS 34590-94-8)

Can be absorbed through the skin.

US - Tennessee OELs: Skin designation

Dipropylene Glycol Monomethyl Ether (CAS 34590-94-8) Can be absorbed through the skin.

US ACGIH Threshold Limit Values: Skin designation

Diethanolamine (CAS 111-42-2)

Can be absorbed through the skin.

Dipropylene Glycol Monomethyl Ether (CAS 34590-94-8)

Can be absorbed through the skin.

US NIOSH Pocket Guide to Chemical Hazards: Skin designation

Dipropylene Glycol Monomethyl Ether (CAS 34590-94-8) Can be absorbed through the skin.

US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

Dipropylene Glycol Monomethyl Ether (CAS 34590-94-8) Can be absorbed through the skin.

Appropriate engineering

controls

Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

Individual protection measures, such as personal protective equipment

Eye/face protection Wear safety glasses with side shields (or goggles).

Skin protection

Hand protection Wear appropriate chemical resistant gloves.

Other Wear suitable protective clothing.

Respiratory protection In case of insufficient ventilation, wear suitable respiratory equipment.

Thermal hazards None known.

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General hygiene considerations

Odor threshold

Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

9. Physical and chemical properties

Appearance Clear.

Physical state Liquid.

Form Liquid.

Color Green.

Odor Mild. Citrus.

pH 12.5

Melting point/freezing point Not available.

Initial boiling point and boiling ~100°C (212°F)

range

Flash point None
Evaporation rate 1 BuAc
Flammability (solid, gas) Not available.
Upper/lower flammability or explosive limits

Flammability limit - lower 1

1.1 % estimated

Not available.

(%)

Flammability limit - upper

14 % estimated

(%)

Explosive limit - lower (%) Not available.

Explosive limit - upper (%) Not available.

Vapor pressure 17.5 mm Hg @ 20°C est.

Vapor density > 1

Relative density Not available.

Solubility(ies)

Solubility (water) 100 %

Partition coefficient Not available.

(n-octanol/water)

Auto-ignition temperature Not available.

Decomposition temperature Not available.

Viscosity Low viscosity comparable to water (water = 1 cST. @ 20°C)

Other information

Density8.44 lb/galPercent volatile96 %Specific gravity1.01

VOC 0.38 % per State and Federal Consumer Product Regulations

10. Stability and reactivity

Reactivity Reacts violently with strong acids. This product may react with oxidizing agents.

Chemical stability Material is stable under normal conditions.

Possibility of hazardous Read

Reacts violently with strong acids. This product may react with oxidizing agents. Hazardous

polymerization does not occur.

Conditions to avoidDo not mix with other chemicals. Contact with incompatible materials.

Incompatible materials Acids. Strong oxidizing agents. Oxidizing agents.

Hazardous decomposition

products

reactions

Carbon oxides. Nitrogen oxides (NOx).

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11. Toxicological information

Information on likely routes of exposure

Inhalation Prolonged inhalation may be harmful.

Skin contact Causes skin irritation.

Eye contact Causes eye irritation.

Ingestion Expected to be a low ingestion hazard. May cause discomfort if swallowed.

Symptoms related to the physical, chemical and toxicological

Causes eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Skin irritation. Exposure may cause temporary irritation, redness, or discomfort.

toxicological characteristics

Information on toxicological effects

Acute toxicity Not expected to be acutely toxic.

Acute toxicity	Not expected to be acutely toxic.		
Components	Species	Test Results	
Diethanolamine (CAS 111-42-2	2)		
<u>Acute</u>			
Dermal			
LD50	Rabbit	11.9 ml/kg	
Oral			
LD50	Rat	1100 mg/kg	
		710 mg/kg	
Dipropylene Glycol Monomethy	yl Ether (CAS 34590-94-8)		
<u>Acute</u>			
Dermal			
LD50	Rabbit	> 19020 mg/kg, 24 Hours	
Oral			
LD50	Rat	> 5000 mg/kg	
Glycerin (CAS 56-81-5)			
<u>Acute</u>			
Dermal			
LD50	Guinea pig	45 ml/kg, Days	
Inhalation			
Vapor	Det	4055 man main // 7 Hayura	
LC50	Rat	4655 mg.min/l, 7 Hours	
Oral	Det	10000	
LD50	Rat	18300 mg/kg	
Tetrapotassium pyrophosphate	e (CAS /320-34-5)		
<u>Acute</u> Dermal			
LD50	Rabbit	> 2000 mg/kg, 24 Hours	
LD30	Rat	> 2000 mg/kg, 24 Hours	
Laborate Para	ndi	> 2000 Hig/kg, 24 Hours	
Inhalation Dust			
LC50	Rat	> 0.58 mg/l, 4 Hours	
Oral	· idi	y older migrit, i ribalie	
LD100	Rat	<= 5000 mg/kg	
LD50	Rat	300 - 2000 mg/kg	
		2000 Ing/Ng	
Skin corrosion/irritation	Causes skin irritation.		
Serious eye damage/eye irritation	Causes eye irritation.		
Respiratory or skin sensitiza	ition		

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Respiratory sensitization

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Not a respiratory sensitizer.

This product is not expected to cause skin sensitization. Skin sensitization

Germ cell mutagenicity No data available to indicate product or any components present at greater than 0.1% are

mutagenic or genotoxic.

This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA. Carcinogenicity

ACGIH Carcinogens

Diethanolamine (CAS 111-42-2) A3 Confirmed animal carcinogen with unknown relevance to

IARC Monographs. Overall Evaluation of Carcinogenicity

Diethanolamine (CAS 111-42-2) 2B Possibly carcinogenic to humans.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not regulated.

US. National Toxicology Program (NTP) Report on Carcinogens

Not listed.

This product is not expected to cause reproductive or developmental effects. Reproductive toxicity

Specific target organ toxicity - single exposure

Not classified.

Specific target organ

Not classified.

Not classified.

toxicity - repeated exposure

Aspiration hazard Chronic effects

Prolonged or repeated contact may cause drying, cracking, or irritation.

12. Ecological information

The product is not classified as environmentally hazardous. However, this does not exclude the **Ecotoxicity**

possibility that large or frequent spills can have a harmful or damaging effect on the environment.

Test Results Components **Species**

Diethanolamine (CAS 111-42-2)

Aquatic

Crustacea EC50 Water flea (Ceriodaphnia dubia) 61.8 - 86.04 mg/l, 48 hours

Fish LC50 Fathead minnow (Pimephales promelas) 100 mg/l, 96 hours

Glycerin (CAS 56-81-5)

Aquatic

Fish LC50 Rainbow trout, donaldson trout 51000 - 57000 mg/l, 96 hours

(Oncorhynchus mykiss)

Persistence and degradability Expected to biodegrade. Bioaccumulative potential No data available.

Partition coefficient n-octanol / water (log Kow)

Diethanolamine -1.43Glycerin -1.76

Mobility in soil This product is completely water soluble and will disperse in soil.

Other adverse effects No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation

potential, endocrine disruption, global warming potential) are expected from this component.

13. Disposal considerations

Collect and reclaim or dispose in sealed containers at licensed waste disposal site. **Disposal instructions**

Local disposal regulations Dispose in accordance with all applicable regulations.

Hazardous waste code D002: Waste Corrosive material [pH <=2 or =>12.5, or corrosive to steel]

Waste from residues / unused

products

Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions). Dispose of in accordance with local

regulations.

Contaminated packaging Empty containers should be taken to an approved waste handling site for recycling or disposal.

Since emptied containers may retain product residue, follow label warnings even after container is

emptied.

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14. Transport information

DOT

Not regulated as dangerous goods.

IATA

Not regulated as dangerous goods.

IMDG

Not regulated as dangerous goods.

Transport in bulk according to Not available.

Annex II of MARPOL 73/78 and

the IBC Code

15. Regulatory information

US federal regulations

This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication

Listed.

Standard, 29 CFR 1910.1200.

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Not regulated.

CERCLA Hazardous Substance List (40 CFR 302.4)

Diethanolamine (CAS 111-42-2)

SARA 304 Emergency release notification

Not regulated.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not regulated.

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories Immediate Hazard - Yes

Delayed Hazard - No Fire Hazard - No Pressure Hazard - No Reactivity Hazard - No

SARA 302 Extremely hazardous substance

Not listed.

SARA 311/312 Hazardous Yes

chemical

SARA 313 (TRI reporting)

Not regulated.

Other federal regulations

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

Diethanolamine (CAS 111-42-2)

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

Not regulated.

Safe Drinking Water Act

Not regulated.

(SDWA)

FEMA Priority Substances Respiratory Health and Safety in the Flavor Manufacturing Workplace

Glycerin (CAS 56-81-5)

Other Flavoring Substances with OSHA PEL's

US state regulations

US. California Controlled Substances. CA Department of Justice (California Health and Safety Code Section 11100)

Not listed.

US. California. Candidate Chemicals List. Safer Consumer Products Regulations (Cal. Code Regs, tit. 22, 69502.3, subd.

(a))

Diethanolamine (CAS 111-42-2)

US. Massachusetts RTK - Substance List

Diethanolamine (CAS 111-42-2)

Dipropylene Glycol Monomethyl Ether (CAS 34590-94-8)

Glycerin (CAS 56-81-5)

US. New Jersey Worker and Community Right-to-Know Act

Diethanolamine (CAS 111-42-2)

Dipropylene Glycol Monomethyl Ether (CAS 34590-94-8)

Material name: LPS® Precision Clean (Ready-to-use)

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Glycerin (CAS 56-81-5)

US. Pennsylvania Worker and Community Right-to-Know Law

Diethanolamine (CAS 111-42-2)

Dipropylene Glycol Monomethyl Ether (CAS 34590-94-8)

Glycerin (CAS 56-81-5)

US. Rhode Island RTK

Diethanolamine (CAS 111-42-2)

US. California Proposition 65

California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins.

US - California Proposition 65 - CRT: Listed date/Carcinogenic substance

Diethanolamine (CAS 111-42-2) Listed: June 22, 2012

16. Other information, including date of preparation or last revision

 Issue date
 01-07-2016

 Revision date
 07-20-2016

Version # 02

Disclaimer Not available.

Revision information Product and Company Identification: Product and Company Identification

Hazard(s) identification: Disposal Hazard(s) identification: Prevention Hazard(s) identification: Response

Hazard(s) identification: Hazard(s) not otherwise classified (HNOC)

Hazard(s) identification: Supplemental information

Composition / Information on Ingredients: Disclosure Overrides Composition/information on ingredients: Composition comments

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