

DIASOL

SECTION 1. IDENTIFICATION

Product Identifier	DIASOL
Product SKU	375/377/376
Product Family	Mixture of: Petroleum distillates ; Terpene; Surfactants ; Fragrance
Recommended Use	Preparatory (clean-up) solvent.
Restrictions on Use	None known.
Manufacturer	The Walker Group Manufacturing Inc., 3 Pullman Court, Toronto, Ontario, M1X1E4, 416-412-2970
Emergency Phone No.	Walker Group Manufacturing Inc., 416-412-2970 CANUTEC, 24 HR. Emergency Tel #613-996-6666
SDS No.	0051

SECTION 2. HAZARD IDENTIFICATION

Classified according to Canada's Hazardous Products Regulations (WHMIS 2015) and the US Hazard Communication Standard (HCS 2012).

Classification

Flammable liquid - Category 3; Skin sensitization - Category 1; Specific target organ toxicity (single exposure) - Category 3; Aspiration hazard - Category 1

Label Elements



Signal Word:
Danger

Hazard Statement(s):

Flammable liquid and vapour.
May be fatal if swallowed and enters airways.
May cause an allergic skin reaction.
May cause drowsiness or dizziness.

Precautionary Statement(s):

Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
Keep away from heat/sparks/open flames/hot surfaces. – No smoking.
Keep container tightly closed.
Ground/bond container and receiving equipment.
Use explosion-proof electrical, ventilating, and lighting equipment.

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Use only non-sparking tools.
Take precautionary measures against static discharge.
Avoid breathing dust/fume/gas/mist/vapours/spray.
Use only outdoors or in a well-ventilated area.
Contaminated work clothing must not be allowed out of the workplace.
Wash contaminated clothing before reuse.
Wear protective gloves/protective clothing/eye protection/face protection.

Response:

IF exposed or concerned: Get medical advice or attention.
IF SWALLOWED: Immediately call a POISON CENTRE or doctor.
Do NOT induce vomiting.
IF ON SKIN: Wash with plenty of water.
If skin irritation or rash occurs: Get medical advice or attention.
Wash contaminated clothing before reuse.
IF INHALED: Remove person to fresh air and keep comfortable for breathing.
Call a POISON CENTRE or doctor if you feel unwell.

Storage:

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

Disposal:

Dispose of contents and container in accordance with local, regional, national and international regulations.

Other Hazards

Health Hazards Not Otherwise Classified (HHNOC):

Toxic fumes may be released during fire. Vapours may be heavier than air and may collect in confined and low-lying areas. May be a health and fire hazard in a confined space. May be mildly irritating to skin, eyes and respiratory system. May cause gastrointestinal irritation. Prolonged over exposure may cause slight liver and kidney effects, such as increased organ weights.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	%	Other Identifiers	Other Names
Stoddard solvent	8052-41-3	80 - 100	N/A	Mineral spirits
Fatty acids, C8-18 and C18-unsatd., compds. with diisopropanolamine	68855-69-6	1 - 5	N/A	Cocamide DIPA
d-Limonene	5989-27-5	1 - 5	N/A	(R)-1-Methyl-4-(1-methylethenyl)cyclohexene Dextro-limonene

Notes

Concentrations are expressed in % weight/weight. The specific chemical identity and/or exact percentage of composition (concentration) has been withheld as a trade secret.

SECTION 4. FIRST-AID MEASURES

First-aid Measures

Inhalation

Move to fresh air. If breathing has stopped, trained personnel should begin rescue breathing. If breathing is difficult, trained personnel should administer emergency oxygen if advised to do so by Poison Centre or doctor. Call a Poison Centre or doctor if you feel unwell.

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Skin Contact

Wash with plenty of water. If skin irritation or a rash occurs, get medical advice or attention. Safely dispose of contaminated clothing, shoes and leather goods. DO NOT re-use.

Eye Contact

Immediately rinse the contaminated eye(s) with lukewarm, gently flowing water for 15-20 minutes, while holding the eyelid(s) open. If eye irritation persists, get medical advice or attention.

Ingestion

Immediately call a Poison Centre or doctor. Do not induce vomiting. Rinse mouth with water. Never give anything by mouth if person is rapidly losing consciousness, or is unconscious or convulsing. Do not induce vomiting. If vomiting occurs naturally, lie on your side in the recovery position. Rinse mouth with water again.

First-aid Comments

Get medical advice or attention if you feel unwell or are concerned. Some of the first-aid procedures recommended here require advanced first-aid training.

Most Important Symptoms and Effects, Acute and Delayed

Aspiration hazard. Aspiration into the lungs during swallowing or subsequent vomiting may cause chemical pneumonitis, which can be fatal. May cause severe skin sensitization with allergic contact dermatitis symptoms such as swelling, rash and eczema. May cause headache, nausea, dizziness and other symptoms of central nervous system depression. May be mildly irritating to skin, eyes and respiratory system. Direct skin contact may cause temporary redness. Direct eye contact may cause slight redness. Mild respiratory irritant. May cause coughing and breathing difficulties. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea prolonged over exposure may cause slight liver and kidney effects, such as increased organ weights.

Immediate Medical Attention and Special Treatment

Target Organs

Lungs, skin, nervous system, liver, kidneys, eyes, respiratory system, digestive system.

Special Instructions

Monitor nervous system function. Monitor lung function.

Medical Conditions Aggravated by Exposure

Immediate medical attention is required. Provide general supportive measures and treat symptomatically.

SECTION 5. FIRE-FIGHTING MEASURES

Extinguishing Media

Suitable Extinguishing Media

Carbon dioxide, dry chemical powder, appropriate foam, water spray or fog.

Unsuitable Extinguishing Media

Do not use a solid water stream as it may scatter and spread the fire.

Specific Hazards Arising from the Product

Flammable liquid and vapour. May be ignited by open flame. May accumulate in hazardous amounts in low-lying areas especially inside confined spaces, resulting in a fire hazard. Closed containers may rupture if exposed to excess heat or flame due to a build-up of internal pressure. Toxic fumes may be released during a fire.

In a fire, the following hazardous materials may be generated: toxic, corrosive chemicals; reactive chemicals; corrosive, flammable ammonia; very toxic carbon monoxide, carbon dioxide; very toxic, flammable formaldehyde; extremely hazardous hydrogen cyanide; corrosive, oxidizing nitrogen oxides.

Special Protective Equipment and Precautions for Fire-fighters

Fight fire from a safe distance or a protected location. Wear proper protective equipment and self-contained breathing apparatus with full face piece operated in positive pressure mode. Use water spray to flush spills away from ignition sources. Dike and recover contaminated water for appropriate disposal. Do not allow run-off from fire fighting to enter drains and water courses. Review Section 6 (Accidental Release Measures) for important information on responding to leaks/spills.

Fire-fighters may enter the area if positive pressure SCBA and full Bunker Gear is worn.

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SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment, and Emergency Procedures

Do not touch damaged containers or spilled product unless wearing appropriate protective equipment. Evacuate downwind locations. Use the personal protective equipment recommended in Section 8 of this safety data sheet. Eliminate all ignition sources. Use grounded, explosion-proof equipment. Increase ventilation to area or move leaking container to a well-ventilated and secure area. Remove or isolate incompatible materials as well as other hazardous materials.

Environmental Precautions

Ensure spilled product does not enter drains, sewers, waterways, or confined spaces. For large spills, dike the area to prevent spreading.

Methods and Materials for Containment and Cleaning Up

Remove all sources of ignition. Ventilate the area. Stop or reduce leak if safe to do so. Use only non-sparking tools and equipment in the clean-up process. Contain and absorb spilled liquid with non-combustible, inert absorbent material (e.g. sand), then place absorbent material into a container for later disposal (see Section 13). Contaminated absorbent poses the same hazard as the spilled product. Place used absorbent into suitable, covered, labelled containers for disposal. Contact the proper local authorities.

Other Information

Contact supplier, local fire and emergency services for help. Report spills to local health, safety and environmental authorities, as required.

SECTION 7. HANDLING AND STORAGE

Precautions for Safe Handling

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Only use where there is adequate ventilation. Do not get in eyes, on skin or on clothing. Wear personal protective equipment to avoid direct contact with this chemical. Avoid repeated or prolonged skin contact with product or with contaminated equipment/surfaces. Prevent skin contact. Avoid breathing in this product. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Electrically bond and ground equipment. Ground clips must contact bare metal. Use non-sparking tools. Avoid ignition sources. Prevent accidental contact with incompatible chemicals. Wash hands thoroughly after handling this material. Avoid release to the environment. Keep containers tightly closed when not in use or empty.

General hygiene considerations:

Thoroughly clean clothing, shoes and leather goods before reuse or dispose of safely. Do NOT eat, drink or store food in work areas. Wash hands thoroughly after handling this product and before eating, using the washroom or leaving work area.

Conditions for Safe Storage

Store in an area that is: cool, dry, well-ventilated, out of direct sunlight and away from heat and ignition sources, separate from incompatible materials (see Section 10: Stability and Reactivity). Protect from conditions listed in Conditions to Avoid in Section 10 (Stability and Reactivity). Store in a closed container. Protect containers from impact, vibration and shock. Regularly check for sufficient levels of inhibitor. Label container with date received, date opened and disposal date. Use a first-in, first-out inventory system. Empty containers may contain hazardous residue. Store separately. Keep closed. Follow all precautions given on this safety data sheet. Restrict access to authorized personnel only. Inspect periodically for damage or leaks. Have appropriate fire extinguishers and spill clean-up equipment in or near storage area.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Parameters

Chemical Name	ACGIH TLV®		OSHA PEL		AIHA WEEL	
	TWA	STEL	TWA	Ceiling	8-hr TWA	TWA
Stoddard solvent	100 ppm	Not established	500 ppm	Not established	Not established	Not established

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Fatty acids, C8-18 and C18-unsatd., compds. with diisopropanolamine	10 ppm	Not established	Not established	Not established	Not established	Not established
Poly(oxy-1,2-ethanediyl), alpha-(nonylphenyl)- omega -hydroxy-, branched	Not established	Not established	Not established	Not established	Not established	Not established
d-Limonene	30 ppm	Not established	Not established	Not established	Not established	Not established

Consult local authorities for provincial or state exposure limits.

Appropriate Engineering Controls

Provide exhaust ventilation or other engineering controls to keep the airborne concentration of vapours below their respective threshold limit value use local exhaust ventilation and enclosure, if necessary, to control amount in the air. Use non-sparking ventilation systems, approved explosion-proof equipment and intrinsically safe electrical systems in areas where this product is used and stored. Provide eyewash in work area, if contact or splash hazard exists.

Individual Protection Measures

Eye/Face Protection

Wear chemical safety goggles and face shield when contact is possible.

Skin Protection

Wear chemical protective clothing e.g. gloves, aprons, boots.

Respiratory Protection

Respiratory protection is required if the concentrations exceed the TLV. Wear a NIOSH approved air-purifying respirator with an appropriate cartridge. Respirators should be selected based on the form and concentration of contaminants in air, and in accordance with OSHA (29 CFR 1910.134) or CSA Z94.4-02 seek advice from respiratory protection specialists.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Basic Physical and Chemical Properties

Appearance	Clear liquid.
Odour	Characteristic Vanilla
Odour Threshold	Not available
pH	Not available
Melting Point/Freezing Point	Not available (melting); Not available (freezing)
Initial Boiling Point/Range	175 °C (347 °F)
Flash Point	43 °C (109 °F)
Evaporation Rate	Not available
Flammability (solid, gas)	Not available
Upper/Lower Flammability or Explosive Limit	Not available (upper); Not available (lower)
Vapour Pressure	Not available
Vapour Density (air = 1)	Not available
Relative Density (water = 1)	0.8
Solubility	Soluble in water
Partition Coefficient, n-Octanol/Water (Log Kow)	Not available
Auto-ignition Temperature	Not available
Decomposition Temperature	Not available
Viscosity	Not available (kinematic); Not available (dynamic)
Other Information	
Physical State	Liquid
Saturated Vapour Concentration	Not available

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SECTION 10. STABILITY AND REACTIVITY

Reactivity

Not reactive under normal conditions of use.

Chemical Stability

Normally stable.

Possibility of Hazardous Reactions

Hazardous polymerization does not occur.

Conditions to Avoid

Ensure adequate ventilation, especially in confined areas. Open flames, sparks, static discharge, heat and other ignition sources. Incompatible materials.

Incompatible Materials

Forms toxic chemicals on contact with: strong oxidizing agents (e.g. perchloric acid), strong acids (e.g. hydrochloric acid), strong bases (e.g. sodium hydroxide), halogenated compounds (e.g. trichloroethylene). Alkali Metals.

Hazardous Decomposition Products

Flammable chemicals; very toxic carbon monoxide, carbon dioxide; corrosive, flammable ammonia; very toxic, flammable formaldehyde; extremely hazardous hydrogen cyanide.
Other unidentified organic compounds.

SECTION 11. TOXICOLOGICAL INFORMATION

Information presented below is for the entire product, unless otherwise specified.

Likely Routes of Exposure

Inhalation; skin contact; eye contact; ingestion.

Acute Toxicity

Chemical Name	LC50	LD50 (oral)	LD50 (dermal)
Stoddard solvent	> 5.5 mg/L (rat) (4-hour exposure) (fume)	> 5000 mg/kg (rat)	> 3000 mg/kg (rabbit)
Fatty acids, C8-18 and C18-unsatd., compds. with diisopropanolamine	Not available	Not available	Not available
Poly(oxy-1,2-ethanediyl), alpha-(nonylphenyl)- omega -hydroxy-, branched	Not available	> 5.0 mg/kg (rat)	> 2.0 mg/kg (rabbit)
d-Limonene	Not available	4400 mg/kg (rat)	> 5000 mg/kg (rabbit)

Inhalation ATEmix = 5.92 ppm (4-hour exposure) (gas)

Based on Stoddard solvent

6.6% of the mixture consists of an ingredient or ingredients of unknown acute toxicity (inhalation)

Oral ATEmix = 501.83 mg/kg

2.7% of the mixture consists of an ingredient or ingredients of unknown acute toxicity (oral)

Dermal ATEmix = 207.65 mg/kg

2.7% of the mixture consists of an ingredient or ingredients of unknown acute toxicity (dermal)

Skin Corrosion/Irritation

May cause mild irritation based on information for closely related chemicals. Symptoms include slight redness and swelling.

Serious Eye Damage/Irritation

May cause mild irritation based on information for closely related chemicals. Symptoms include sore, red eyes, and tearing.

STOT (Specific Target Organ Toxicity) - Single Exposure

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Inhalation

May cause nose and throat irritation. Symptoms may include coughing, shortness of breath, difficult breathing and tightness in the chest. May cause depression of the central nervous system. Symptoms may include headache, nausea, dizziness, drowsiness and confusion.

Skin Absorption

Symptoms may include redness, rash, swelling and itching.

Ingestion

May cause irritation of the mouth, throat and stomach. Symptoms may include nausea, vomiting, stomach cramps and diarrhea.

Aspiration Hazard

May be drawn into the lungs (aspirated) if swallowed or vomited. Symptoms may include coughing, choking, shortness of breath, difficult or rapid breathing, and wheezing. Death can result.

STOT (Specific Target Organ Toxicity) - Repeated Exposure

Kidney function tests may show abnormal results. Liver function tests may show abnormal results. Following skin contact: may cause dermatitis. Symptoms may include dry, red, cracked skin (dermatitis).

Respiratory and/or Skin Sensitization

Skin sensitizer. No information was located for respiratory sensitization.

Carcinogenicity

Chemical Name	IARC	ACGIH®	NTP	OSHA
Stoddard solvent	Group 3	Not designated	Not Listed	Not Listed
Fatty acids, C8-18 and C18-unsatd., compds. with diisopropanolamine	Not Listed	Not designated	Not Listed	Not Listed
Poly(oxy-1,2-ethanediyl), alpha-(nonylphenyl)- omega -hydroxy-, branched	Not Listed	Not designated	Not Listed	Not Listed
d-Limonene	Not Listed	Not Listed	Not Listed	Not Listed

No components are listed as carcinogens by ACGIH, IARC, OSHA or NTP.

Key to Abbreviations

Group 3 = Not classifiable as to its carcinogenicity to humans.

Reproductive Toxicity**Development of Offspring**

Not known to harm the unborn child.

Sexual Function and Fertility

Not known to cause effects on sexual function or fertility.

Effects on or via Lactation

Not known to cause effects on or via lactation.

Germ Cell Mutagenicity

Not known to be a mutagen.

Interactive Effects

No information was located.

SECTION 12. ECOLOGICAL INFORMATION**Ecotoxicity**

Toxic, with long lasting effects to aquatic life, No data is available on the product itself. The product should not allowed to enter the drains or water courses, or be deposited where it can affect ground or surface waters. The product contains the following substances which are hazardous for the environment. (Stoddard solvent).

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(d-Limonene)

Acute Aquatic Toxicity

Chemical Name	LC50 Fish	EC50 Crustacea	ErC50 Aquatic Plants	ErC50 Algae
Stoddard solvent	2.1-4.2 mg/L (Bluegill sunfish; 96-hour)	0.42-2.3 mg/L (Daphnia magna (water flea); 48-hour)	Not available	0.58-1.2 mg/L (72-hour)
Fatty acids, C8-18 and C18-unsatd., compds. with diisopropanolamine	Not available	Not available	Not available	Not available
Poly(oxy-1,2-ethanediyl), alpha-(nonylphenyl)-omega -hydroxy-, branched	Not available	Not available	Not available	Not available
d-Limonene	0.72 mg/L (Pimephales promelas (fathead minnow); 96-hour)	0.36 mg/L (Daphnia magna (water flea); 48-hour)	Not available	Not available

Chronic Aquatic Toxicity

Chemical Name	NOEC Fish	EC50 Fish	NOEC Crustacea	EC50 Crustacea
Stoddard solvent	0.1-0.37 mg/L (Daphnia magna (water flea); 21-day)	Not available	Not available	Not available
Fatty acids, C8-18 and C18-unsatd., compds. with diisopropanolamine	Not available	Not available	Not available	Not available
Poly(oxy-1,2-ethanediyl), alpha-(nonylphenyl)-omega -hydroxy-, branched	Not available	Not available	Not available	Not available
d-Limonene	Not available	Not available	Not available	Not available

Persistence and Degradability

No data is available on the product itself. Contains the following chemicals which are considered to be inherently biodegradable. (Stoddard solvent) The following chemicals are considered to be readily biodegradable. (d-Limonene)

Bioaccumulative Potential

No data is available on the product itself. This product or its degradation products have the potential to bioaccumulate based on the fish bioconcentration factor (BCF), N-Octanol/Water Partition Coefficient (Log Kow). (Stoddard solvent) 3.16 - 7.15. (d-Limonene) 4.57. (Poly(oxy-1,2-ethanediyl), alpha-(nonylphenyl)- omega -hydroxy-, branched) not applicable. (Fatty acids, C8-18 and C18-unsatd., compds. with diisopropanolamine) not available.

Mobility in Soil

No information was located.

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.

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal Methods

Store product for disposal as described under Storage in Section 7 of this safety data sheet. Empty containers retain product residue. Follow label warnings even if container appears to be empty. Dispose of contents and container in accordance with local, regional, national and international regulations.

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SECTION 14. TRANSPORT INFORMATION

Regulation	UN No.	Proper Shipping Name	Transport Hazard Class(es)	Packing Group
Canadian TDG	UN1993	FLAMMABLE LIQUID, N.O.S. (Stoddard solvent ; d-Limonene)	3	III
US DOT	UN1993	FLAMMABLE LIQUID, N.O.S. (Stoddard solvent ; d-Limonene)	3	III
IATA (Air)	UN1993	FLAMMABLE LIQUID, N.O.S. (Stoddard solvent ; d-Limonene)	3	III
IMO (Marine)	UN1993	FLAMMABLE LIQUID, N.O.S. (Stoddard solvent ; d-Limonene)	3	III

Environmental Hazards Marine Pollutant (Stoddard solvent)

Special Precautions Please note: Appropriate advice on safety must accompany the package. Keep away from heat, sparks and open flame. No smoking. Avoid release to the environment.

Transport in Bulk According to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

SECTION 15. REGULATORY INFORMATION

Safety, Health and Environmental Regulations

Canada

Domestic Substances List (DSL) / Non-Domestic Substances List (NDSL)

All ingredients are listed on the DSL/NDSL.

CEPA - National Pollutant Release Inventory (NPRI)

Part 5. (Stoddard solvent). (d-Limonene)

USA

Toxic Substances Control Act (TSCA) Section 8(b)

All ingredients are listed on the TSCA Inventory.

Additional USA Regulatory Lists

SARA Title III - Section 302: Not applicable. SARA Title III - Section 313: Not applicable. California Proposition 65: Not listed Type of Toxicity: Not applicable. Massachusetts Right To Know. (Stoddard solvent) New Jersey Right To Know. (Stoddard solvent) Pennsylvania Right To Know. (Stoddard solvent) Rhode Island Right To Know. (Stoddard solvent)

SECTION 16. OTHER INFORMATION

SDS Prepared By The Walker Group Manufacturing Inc.

Phone No. 416-412-2970

Date of Preparation September 28, 2017

Date of Last Revision May 29, 2018

Revision Indicators Date of Preparation.

The following SDS content was changed on January 30, 2018:
Section 8 - Exposure Controls/Personal Protection; Exposure Guidelines; Revision Indicators.

Key to Abbreviations ACGIH® = American Conference of Governmental Industrial Hygienists
AIHA® = AIHA® Guideline Foundation HSDB® = Hazardous Substances Data Bank
IARC = International Agency for Research on Cancer
NFPA = National Fire Protection Association NIOSH = National Institute for Occupational Safety and Health

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References

NTP = National Toxicology Program

OSHA = US Occupational Safety and Health Administration

RTECS® = Registry of Toxic Effects of Chemical Substances

CHEMINFO database. Canadian Centre for Occupational Health and Safety (CCOHS).

HSDB® database. US National Library of Medicine. Available from Canadian Centre for Occupational Health and Safety (CCOHS).

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