



SAFETY DATA SHEET
Biodegradable Degreaser Concentrate – Product # GW-374

Section 1: PRODUCT AND COMPANY IDENTIFICATION

1.1 Product identifiers

Product Name: Biodegradable Degreaser Concentrate

Product Number: **GW-374**

1.2 Relevant identified uses of the substance or mixture and uses advised against:

Identified uses: No Information Available

Uses advised against: No Information Available

1.3 Details of the supplier of the safety data sheet

Company: Aviation Cleaning Supply, Inc.
1 Warren St.
Johnstown, New York 12095
www.aviationcleaningsupply.com

Manufacturer: Rochester Midland Corporation
155 Paragon Drive
Rochester, New York 14624 USA

Other means of identification

Product Code: 105090

1.4 Emergency telephone number

Emergency Phone: INFOTRAC: 1-800-535-5053
OUTSIDE U.S.: +1-352-323-3500

Section 2: HAZARD IDENTIFICATION

2.1 Classification of the substance or mixture

This chemical is considered hazardous.

Skin corrosion/irritation	(Category 1)
Serious eye damage/eye irritation	(Category 1)
Skin sensitization	(Category 1)
Carcinogenicity	(Category 1B)
Flammable liquids	(Category 3)
Corrosive to metals	(Category 1)

2.2 GHS Label elements, including precautionary statements

Pictogram:



Signal Word: DANGER

Hazards Statement(s)

Causes severe skin burns and eye damage.
May cause an allergic skin reaction.
May cause cancer.
Flammable liquid and vapor.
May be corrosive to certain metals.



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Section 2: HAZARD IDENTIFICATION (continued)

Precautionary Statement(s) - Prevention

Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
Use personal protective equipment as required.
Wash face, hands and any exposed skin thoroughly after handling.
Avoid breathing dust/fume/gas/mist/vapors/spray.
Contaminated work clothing should not be allowed out of the workplace.
Wear protective gloves.
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/lighting/equipment.
Use only non-sparking tools.
Take precautionary measures against static discharge.
Keep only in original container.

Precautionary Statement(s) - Response

Immediately call a POISON CENTER or doctor/physician.
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: Wash with plenty of soap and water. Take off contaminated clothing and wash before reuse.
If skin irritation or rash occurs: Get medical advice/attention.
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing immediately call a POISON CENTER or doctor/physician.
IF SWALLOWED: Rinse mouth. DO NOT induce vomiting.
In case of fire: Use CO₂, dry chemical, or foam for extinction.
Absorb spillage to prevent material damage.

Precautionary Statement(s) - Storage

Store locked up.
Store in a well-ventilated place, keep cool.
Store in corrosive resistant container.

Precautionary Statement(s) - Disposal

Dispose of contents/container to an approved waste disposal plant.

Hazards not otherwise classified (HNOC)

No information available

Other Information

Very toxic to aquatic life with long lasting effects.
Very toxic to aquatic life.

Unknown acute toxicity

14.4% of the mixture consists of ingredient(s) of unknown toxicity.



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Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

Hazardous components:

PRODUCT COMPOSITION	CAS No.	%	TRADE SECRET
d-Limonene	5989-27-5	35 max.	*
Diethylene Glycol Butyl Ether	112-34-5	15 max.	*
Sodium Nitrite	7632-00-0	> 1	*

*The exact percentage (concentration) of composition has been withheld as a trade secret.

Section 4: FIRST AID MEASURES

4.1 Description of first aid measures

General advice:

Immediately call a POISON CENTER or doctor/physician.

IF INHALED:

Remove victim to fresh air and keep at rest in a position comfortable for breathing.

IF ON SKIN (or hair):

Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse. If skin irritation or rash occurs: Get medical advice/attention.

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 SWALLOWED:

IF SWALLOWED: Rinse mouth. DO NOT induce vomiting.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms: No information available.

4.3 Indication of any immediate medical attention and special treatment needed

Note to physicians: Treat symptomatically.

Section 5: FIREFIGHTING MEASURES

5.1 Suitable extinguishing media

Dry chemical, CO₂, water spray or regular foam.

Unsuitable extinguishing media

Use of water spray when fighting fire may be inefficient.



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Section 5: FIREFIGHTING MEASURES (continued)

5.2 Special hazards arising from the substance or mixture

No information available.

5.3 Advice for firefighters

Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Cool exposed containers with water spray. "Empty" containers retain product residue (liquid and/or vapor) and can be dangerous. DO NOT PRESSURIZE, CUT, WELD, BRAZE, SOLDER, DRILL, GRIND, OR EXPOSE SUCH CONTAINERS TO HEAT, FLAME, SPARKS, STATIC ELECTRICITY, OR OTHER SOURCES OF IGNITION; THEY MAY EXPLODE AND CAUSE INJURY OR DEATH.

Section 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation, especially in confined areas.

6.2 Environmental precautions

See Section 12 for additional ecological information.

6.3 Methods and materials for containment and cleaning up

Prevent further leakage or spillage if safe to do so. Pick up with absorbent material. Put in suitable container for disposal.

Section 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

Use only with adequate ventilation. Do not breathe mist or vapors. Avoid contact with skin and eyes. Do not reuse container. Wash thoroughly after handling. Read and follow label instructions. Keep out of reach of children.

7.2 Conditions for safe storage, including any incompatibilities

Storage conditions

Keep containers tightly closed in a dry, cool and well-ventilated place. Do not store near heat, sparks or flame. Do not store near oxidizing agents. Do not reuse container.

Incompatible materials

Avoid contact with: Acids. Strong alkalis. Strong oxidants, such as nitric acid, or hypochlorite.

Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Exposure guidelines

PRODUCT COMPOSITION	CAS No.	ACHIG TLV	OSHA PEL	NIOSH IDLH
Diethylene Glycol Butyl Ether	112-34-5	TWA: 10 ppm inhalable fraction and vapor	N/A	-



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Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

8.2 Exposure controls

Appropriate engineering controls

General mechanical and/or local exhaust as needed to meet exposure limits if mist in air. Showers. Eyewash stations.

Individual protection measures, such as personal protective equipment

Eye/face protection

Safety glasses or goggles recommended to minimize eye contact.

Skin & body protection

Chemical resistant gloves are recommended to minimize skin contact. Wear appropriate protective clothing as needed to prevent skin contact. It is the responsibility of the end user of this product to determine level of PPE required that is consistent with safe use of this product.

General hygiene considerations

Handle in accordance with good industrial hygiene and safety practice.

Respiratory protection

NIOSH approved respirator if spray mist in air causes irritation.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Physical state:	Liquid	Odor:	Citrus
Appearance:	Clear Yellow Amber	Odor Threshold:	No information available
Color:	No information available		

<u>Property</u>	<u>Values</u>	
pH:	12.5	
Melting point/freezing point:	No Information Available	
Boiling point/ boiling range:	100 °C / 212 °F	
Flash point:	50 °C / 122 °F	
Evaporation rate:	1.26	
Flammability (solid, gas):	No Information Available	
Flammability limit in air		
Upper flammability limit:	24	
Lower flammability limit:	0.7	
Vapor pressure:	5.6	mm Hg @ 20°C
Vapor density:	> 1	
Specific gravity:	0.999 +/- 0.005	
Water solubility:	No Information Available	
Solubility in other solvents:	No Information Available	
Partition coefficient:	No Information Available	
Auto ignition temperature:	No Information Available	
Decomposition temperature:	No Information Available	
Kinematic viscosity:	No Information Available	
Dynamic viscosity:	No Information Available	
Explosive properties:	No Information Available	



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Section 9: PHYSICAL AND CHEMICAL PROPERTIES (continued)

Oxidizing properties: No Information Available

9.2 Other Information

Softening point: No Information Available

VOC (EPA METH.24) (G/L): 330

Density: No Information Available

Bulk density: No Information Available

Section 10: STABILITY AND REACTIVITY

10.1 Reactivity

No data available.

10.2 Chemical stability

Stable under recommended storage conditions.

10.3 Possibility of hazardous reaction

None under normal processing.

10.4 Conditions to avoid

Welding arcs. Avoid all sources of ignition; heat, sparks and open flames.

10.5 Incompatible materials

Acids. Strong oxidants, such as nitric acid, or hypochlorites.

10.6 Hazardous decomposition products

Incomplete combustion produces: Fumes. Smoke. Carbon dioxide (CO₂). Carbon Monoxide.

Section 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Product information Causes severe skin burns and eye damage

Inhalation Causes burns.

Eye contact Corrosive to the eyes and may cause severe damage including blindness.

Skin contact Repeated or prolonged skin contact may cause allergic reactions with susceptible persons. Causes skin irritation. May be harmful in contact with skin.

Ingestion Causes burns.



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Section 11: TOXICOLOGICAL INFORMATION (continued)

PRODUCT COMPOSITION CAS#	Oral LD50	Dermal LD50	Inhalation LC50
Diethylene Glycol Butyl Ether	= 3384 mg/kg (RAT)	= 2700 mg/kg (Rabbit)	-
d-Limonene 5989-27-5	= 4400 mg/kg (RAT)	= 5 g/kg (Rabbit)	-
	= 85 mg/kg (RAT)	-	= 5.5 mg/L (RAT) 4 h

Symptoms No Information Available.

Delayed and immediate effects as well as chronic effects from short and long term exposure

Sensitization May cause sensitization by skin contact.

Germ cell mutagenicity No Information Available.

Carcinogenicity The table below indicates whether each agency has listed any ingredient as a carcinogen.

PRODUCT COMPOSITION CAS #	ACGIH	IARC	NTP	OSHA
d-Limonene 5989-27-5	-	Group 2A Group 3	-	X
Sodium Nitrite 7632-00-0	-	Group 2A	-	X

Reproductive Toxicity No Information Available.

STOT – Single exposure No Information Available.

STOT – Repeated exposure No Information Available.

Aspiration hazard No Information Available.

Numerical measures of toxicity – Product Information

Unknown acute toxicity
14.4% of the mixture consists of ingredient(s) of unknown toxicity.

The following values are calculated based on chapter 3.1 of the GHS document

ATEmix (oral): 6284 mg/kg
ATEmix (dermal): 8102 mg/kg



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Section 12: ECOLOGICAL INFORMATION

12.1 Ecotoxicity

16.5% of the mixture consists of component(s) of unknown hazards to the aquatic environment.

PRODUCT COMPOSITION CAS#	Algae/aquatic plants	Fish	Crustacea
Diethylene Glycol Butyl Ether 112-34-5	100: 96 h Desmodesmus subspicatus mg/L EC50	1300: 96 h Lepomis macrochirus mg/L LC50 static	100: 48 h Daphnia magna mg/L EC60
d-Limonene 5989-27-5	-	0.619 - 0.796: 96 h Pimephales promelas mg/L LC50 flow-through 35: 96 h Oncorhynchus mykiss mg/L LC50	-
Sodium Nitrite 7632-00-0	-	20: 96 h Pimephales promelas mg/L LC50 static 2.3: 96 h Pimephales promelas mg/L LC50 flow-through 0.65 - 1: 96 h Oncorhynchus mykiss mg/L LC50 static 0.4 - 0.6: 96 h Oncorhynchus mykiss mg/L LC50 semi-static 0.092 - 0.13: 96 h Oncorhynchus mykiss mg/L LC50 flow-through 0.19: 96 h Oncorhynchus mykiss mg/L LC50 flow-through	-

12.2 Persistence and degradability

No Information Available.

12.3 Bioaccumulative potential

PRODUCT COMPOSITION CAS #	Partition Coefficient
Sodium Nitrite 7632-00-0	-3.7

12.4 Other adverse effects

No Information Available.

Section 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment method

Disposal of wastes Disposal should be in accordance with applicable regional, national, and local laws and regulations.

Contaminated packaging Do not reuse container.



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Section 14: TRANSPORTATION INFORMATION

UN/ID No.	2924
Proper shipping name	FLAMMABLE LIQUID, CORROSIVE, N.O.S. (D-LIMONENE, POTASSIUM PHOSPHATE)
Hazard Class	3
Subsidiary class	8
Packing Group	III
Description	5 Liters (1.3 Gallons) and Less may be Classed as LTD. QTY.

Section 15: REGULATORY INFORMATION

15.1 International Inventories

TSCA:	Complies
DSL/NDSL:	Complies
EINECS/ELINCS:	Complies
ENCS:	Does not comply
IECSC:	Complies
KECL:	Does not comply
PICCS:	Complies
AICS:	Complies

15.2 Legend

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List
EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances
ENCS - Japan Existing and New Chemical Substances
IECSC - China Inventory of Existing Chemical Substances
KECL - Korean Existing and Evaluated Chemical Substances
PICCS - Philippines Inventory of Chemicals and Chemical Substances
AICS - Australian Inventory of Chemical Substances

15.3 US Federal Regulations

SARA 313 Components

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372



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Section 15: REGULATORY INFORMATION (continued)

PRODUCT COMPOSITION CAS #	SARA 313 – Threshold Values %
Diethylene Glycol Butyl Ether 112-34-5	1.0
Sodium Nitrite 7632-00-0	1.0

SARA 311/312 Hazard Categories

ACUTE HEALTH HAZARD	YES
CHRONIC HEALTH HAZARD	YES
FIRE HAZARD	YES
Sudden release of pressure hazard	NO
REACTIVE HAZARD	NO

CWA (Clean Water Act):

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

CERCLA:

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302)

PRODUCT COMPOSITION CAS #	Hazardous Substances RQs (in LBS)	U.S. - CERCLA/SARA Section 302 Extremely Hazardous Substances TPQs
Sodium Nitrite 7632-00-0	100	-

15.3 U.S. State Regulations

California Proposition 65 Components:

This product does not contain any Proposition 65 chemicals.

15.4 U.S. State Right-to-Know Regulations

PRODUCT COMPOSITION CAS #	NJRTK	MARTK	PARTK
Diethylene Glycol Butyl Ether 112-34-5	-	-	Listed
Sodium Nitrite 7632-00-0	2258	Listed	Listed

U.S. EPA Label Information

EPA Pesticide Registration Number: Not applicable.



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Section 16: OTHER INFORMATION

NFPA

Health Hazards 2
Flammability 2
Instability 0
Physical and Chemical Properties ALKALI

HMIS

Health Hazards 2
Flammability 2
Physical Hazards 0
Personal Protection B

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

Preparation Information:

Aviation Cleaning Supply
1 Warren St.
Johnstown, New York 12095

Revision Date: 06/01/2015

-END OF SDS-