

Safety Data Sheet



Revision Date 20-Mar-2014
Version 1.01

1. PRODUCT AND COMPANY IDENTIFICATION

Product name 9D9
Product code LG-F1001
Recommended Use Deodorizer

Supplier ProRestore Products
1016 Greentree Road, Suite 115
Pittsburgh, PA 15220
Phone: (412) 264-8340

Emergency telephone number INFOTRAC 1-800-535-5053 (North America)
1-352-323-3500 (International)

2. Hazards identification

Emergency Overview

The product contains no substances which at their given concentration, are considered to be hazardous to health.

Potential Health Effects

Acute toxicity

Eyes Irritating to eyes.

Skin Irritating to skin. May be harmful if absorbed through skin.

Inhalation May cause irritation of respiratory tract. May be harmful if inhaled.

Ingestion Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Chronic Effects No known effect based on information supplied.

Aggravated Medical Conditions Preexisting eye disorders. Skin disorders. Respiratory disorders.

Environmental hazard See Section 12 for additional Ecological Information.

3. Composition/information on ingredients

Component	CAS-No	Weight %
Polyethylene glycol octylpheny ether 9036-19-5 (10-30)	9036-19-5	10-30
ISOPROPYL ALCOHOL 67-63-0 (10-30)	67-63-0	10-30

BENZOIC ACID, 2-HYDROXY-, METHYL ESTER 119-36-8 (1-10)	119-36-8	1-10
acetophenone 98-86-2 (1-10)	98-86-2	1-10
2,6-OCTADIENAL, 3,7-DIMETHYL- 5392-40-5 (1-10)	5392-40-5	1-10
Benzophenone 119-61-9 (1-10)	119-61-9	1-10

4. First aid measures

General advice	Show this material safety data sheet to the doctor in attendance. When symptoms persist or in all cases of doubt seek medical advice.
Eye contact	Remove contact lenses. Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Call a physician if irritation develops or persists.
Skin contact	Wash off immediately with soap and plenty of water. Remove all contaminated clothes and shoes. Use a mild soap if available. Call a physician if irritation develops or persists. If skin irritation persists, call a physician.
Inhalation	Immediate medical attention is required. Move to fresh air. If not breathing, give artificial respiration.
Ingestion	Gently wipe or rinse the inside of the mouth with water. Give small amounts of water to drink. Never give anything by mouth to an unconscious person. Get medical attention immediately.
Notes to physician	Treat symptomatically.

5. Fire-fighting measures

Flammable Properties	Flammable.
Flash point	81 °F / 27 °C
Suitable extinguishing media	Water spray. Carbon dioxide (CO ₂). Dry powder. Alcohol-resistant foam.
Unsuitable Extinguishing Media	High volume water jet.
Explosion Data	
Sensitivity to Mechanical Impact	None.
Sensitivity to Static Discharge	None.
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	Use personal protective equipment. Remove all sources of ignition. Ensure adequate ventilation. Avoid contact with skin, eyes and clothing. Do not breathe vapors or spray mist.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Prevent product from entering drains. Do not allow material to contaminate ground water system. Beware of vapors accumulating to form explosive concentrations. Vapors can accumulate in low areas.
Methods for Containment	Prevent further leakage or spillage if safe to do so.
Methods for cleaning up	Pick up and transfer to properly labeled containers.

7. Handling and storage

Advice on safe handling

Wear personal protective equipment. Avoid contact with skin, eyes and clothing. Do not breathe vapors or spray mist. Vapors may form explosive mixtures with air. Prevent the creation of flammable or explosive concentrations of vapor in air and avoid vapor concentration higher than the occupational exposure limits. Mixture may charge electrostatically: always use earthing leads when transferring from one container to another. Keep away from sources of ignition - No smoking.

Technical measures/Storage conditions

Use only in area provided with appropriate exhaust ventilation. Keep locked up or in an area accessible only to qualified or authorized persons. Use only explosion-proof equipment. To avoid ignition of vapors by static electricity discharge, all metal parts of the equipment must be grounded. Electrical equipment should be protected to the appropriate standard. Store between 41 and 77 °F (5 - 25° C) in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. Store in original container.

8. Exposure controls/personal protection

Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH	Mexico
ISOPROPYL ALCOHOL 67-63-0	STEL: 400 ppm TWA: 200 ppm	TWA: 400 ppm TWA: 980 mg/m ³ (vacated) TWA: 400 ppm (vacated) TWA: 980 mg/m ³ (vacated) STEL: 500 ppm (vacated) STEL: 1225 mg/m ³	IDLH: 2000 ppm TWA: 400 ppm TWA: 980 mg/m ³ STEL: 500 ppm STEL: 1225 mg/m ³	TWA: 400 ppm TWA: 980 mg/m ³ STEL: 500 ppm STEL: 1225 mg/m ³
acetophenone 98-86-2	TWA: 10 ppm			
2,6-OCTADIENAL, 3,7-DIMETHYL- 5392-40-5	TWA: 5 ppm inhalable fraction and vapor S*			
Component	British Columbia	Alberta	Quebec	Ontario TWAEV
ISOPROPYL ALCOHOL 67-63-0 (1-30)	TWA: 200 ppm STEL: 400 ppm	TWA: 200 ppm TWA: 492 mg/m ³ STEL: 400 ppm STEL: 984 mg/m ³	TWA: 400 ppm TWA: 985 mg/m ³ STEL: 500 ppm STEL: 1230 mg/m ³	TWA: 200 ppm STEL: 400 ppm
acetophenone 98-86-2 (1-10)	TWA: 10 ppm	TWA: 10 ppm TWA: 49 mg/m ³	TWA: 10 ppm TWA: 49 mg/m ³	TWA: 10 ppm
2,6-OCTADIENAL, 3,7-DIMETHYL- 5392-40-5 (1-10)				TWA: 5 ppm Skin

Other Exposure Guidelines

Vacated limits revoked by the Court of Appeals decision in AFL-CIO v. OSHA, 965 F.2d 962 (11th Cir., 1992).

Engineering Measures

Ensure adequate ventilation, especially in confined areas.

Personal Protective Equipment

Hand Protection

Take note of the information given by the producer concerning permeability and break through times, and of special workplace conditions (mechanical strain, duration of contact)
Rubber gloves

Eye/Face Protection

Goggles.

Skin and body protection

Wear protective gloves/clothing.

Respiratory protection

If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

Hygiene measures

When using, do not eat, drink or smoke. Wash hands before breaks and at the end of workday. Remove and wash contaminated clothing before re-use.

9. Physical and chemical properties

Physical state Liquid
Odor Wintergreen oil
Color amber

Property	Values	Remarks • Methods
pH	7.7	
Boiling point/boiling range	108 °C / 226 °F	
Flash Point	27 °C / 81 °F	
Evaporation rate	no data available	
Explosion Limits		
upper	12.7	
lower	2	
Vapor pressure	4.3	
Vapor density	no data available	
Specific Gravity	.94	
Viscosity, kinematic	33	
Water solubility	Soluble in water	
Partition coefficient: n-octanol/water	no data available	
Explosive properties	no data available	

Other information

Volatile organic compounds (VOC) content 210 g/L
Melting/freezing point

10. Stability and reactivity

Stability/Reactivity Stable under recommended storage conditions.

Incompatible products None known based on information supplied.

Conditions to Avoid Direct sources of heat.

Hazardous Decomposition Products Carbon dioxide (CO₂), carbon monoxide (CO), oxides of nitrogen (NO_x), dense black smoke.

Hazardous Polymerization Hazardous polymerization does not occur.

11. Toxicological information

Acute toxicity

Product Information The product itself has not been tested.

Component Information

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Polyethylene glycol octylphenyl ether	4190 mg/kg (Rat)		
ISOPROPYL ALCOHOL	4396 mg/kg (Rat)	12800 mg/kg (Rabbit)	16000 ppm (Rat) 8 h
BENZOIC ACID, 2-HYDROXY-, METHYL ESTER	887 mg/kg (Rat)	5000 mg/kg (Rabbit)	
2,6-OCTADIENAL, 3,7-DIMETHYL-	4950 mg/kg (Rat)	2250 mg/kg (Rabbit)	
acetophenone		1760 mg/kg (Rabbit)	

Benzophenone	10 g/kg (Rat)	3535 mg/kg (Rabbit)	
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Chronic toxicity

Chronic toxicity No information available

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

Chemical Name	ACGIH	IARC	NTP	OSHA	Mexico
ISOPROPYL ALCOHOL		Group 1 Group 3		X	
Benzophenone		Group 2B		X	

IARC: (International Agency for Research on Cancer)

Group 1 - Carcinogenic to Humans

Group 2B - Possibly Carcinogenic to Humans

Group 3 - Not Classifiable as to Carcinogenicity in Humans

OSHA: (Occupational Safety & Health Administration)

X - Present

Target Organ Effects Eyes Respiratory system Skin

12. Ecological information

Ecotoxicity

Chemical Name	Toxicity to algae	Toxicity to fish	Toxicity to daphnia and other aquatic invertebrates	Toxicity to microorganisms	Toxicity to other organisms
ISOPROPYL ALCOHOL	EC50: 96 h Desmodesmus subspicatus 1000 mg/L EC50: 72 h Desmodesmus subspicatus 1000 mg/L	LC50: 96 h Pimephales promelas 9640 mg/L flow-through LC50: 96 h Pimephales promelas 11130 mg/L static LC50: 96 h Lepomis macrochirus 1400000 µg/L	EC50: 48 h Daphnia magna 13299 mg/L		
acetophenone		LC50: 96 h Pimephales promelas 162 mg/L flow-through LC50: 96 h Pimephales promelas 155 mg/L static			
2,6-OCTADIENAL, 3,7-DIMETHYL-	EC50: 72 h Desmodesmus subspicatus 16 mg/L EC50: 96 h Desmodesmus subspicatus 19 mg/L		EC50: 48 h Daphnia magna 7 mg/L		
Benzophenone		LC50: 96 h Pimephales promelas 13.2 - 15.3 mg/L flow-through			

Persistence and degradability No information available.

Bioaccumulation .

Mobility No information available.

Chemical Name	log Pow
ISOPROPYL ALCOHOL	0.05
BENZOIC ACID, 2-HYDROXY-, METHYL ESTER	2.55
acetophenone	1.58 - 1.73

2,6-OCTADIENAL, 3,7-DIMETHYL-	2.76
Benzophenone	3.58

13. Disposal considerations

Waste Disposal Methods	This material, as supplied, is not a hazardous waste according to Federal regulations (40 CFR 261). This material could become a hazardous waste if it is mixed with or otherwise comes in contact with a hazardous waste, if chemical additions are made to this material, or if the material is processed or otherwise altered. Consult 40 CFR 261 to determine whether the altered material is a hazardous waste. Consult the appropriate state, regional, or local regulations for additional requirements.
Contaminated packaging	Empty containers should be taken to an approved waste handling site for recycling or disposal. Do not burn, or use a cutting torch on, the empty drum.
US EPA Waste Number	D001

14. Transport information

DOT	(If shipped in NON BULK packaging by ground transport)
Proper shipping name	FLAMMABLE LIQUID, N.O.S 1993 - Flammable liquid, n.o.s
Packing Group	III

TDG

MEX

IATA

IMDG

Proper shipping name	FLAMMABLE LIQUID, N.O.S. (Isopropanol)
Hazard class	3
UN Number	1993
Packing Group	III
Marine pollutant	This product contains a chemical which is listed as a marine pollutant according to IMDG/IMO

15. Regulatory information

International Inventories

TSCA	Complies
DSL	Complies
EINECS/ELINCS	-
ENCS	-
IECSC	Complies
KECL	Complies
PICCS	Complies
AICS	Complies
NZIoC	-

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDL - Canadian Domestic Substances List/Non-Domestic Substances List

EINECS/ELINCS - European Inventory of Existing Commercial Chemical Substances/EU 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
NZIoC - New Zealand Inventory of Chemicals
 "-" - Unknown. Not listed.

U.S. Federal Regulations

SARA 313

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:

Chemical Name	Weight %	SARA 313 - Threshold Values %
ISOPROPYL ALCOHOL	10-30	1.0
acetophenone	1-10	1.0

SARA 311/312 Hazard Categories

Acute Health Hazard	Yes
Chronic Health Hazard	No
Fire Hazard	Yes
Sudden Release of Pressure Hazard	No
Reactive Hazard	No

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):

Chemical Name	Hazardous Substances RQs	Extremely Hazardous Substances RQs	RQ
acetophenone	5000 lb		RQ 5000 lb final RQ RQ 2270 kg final RQ
1,4-DIOXANE	100 lb		RQ 100 lb final RQ RQ 45.4 kg final RQ

U.S. State Regulations

California Proposition 65

This product contains the following Proposition 65 chemicals:

Chemical Name	California Prop. 65
Benzophenone	Carcinogen
1,4-DIOXANE	Carcinogen

U.S. State Right-to-Know Regulations

Chemical Name	Massachusetts	New Jersey	Pennsylvania	Illinois	Rhode Island
ISOPROPYL ALCOHOL	X	X	X		
acetophenone	X	X	X	X	
Benzophenone				X	
1,4-DIOXANE	X	X	X	X	

International Regulations

Mexico - Grade Serious risk, Grade 3

Canada

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

WHMIS Hazard Class

D2A Very toxic materials

B2 Flammable liquid



16. Other information				
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<u>NFPA</u>	Health Hazard 1	Flammability 3	Stability/Reactivity 0	Physical and chemical hazards -
<u>HMIS</u>	Health Hazard 1	Flammability 3	Physical Hazard 0	Personal protection C

Prepared By: No information available

Revision Date: 20-Mar-2014

Revision Note: No information available.

Legend:

NIOSH IDLH: Immediately Dangerous to Life or Health

Disclaimer

The information provided on this MSDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as 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 material or in any process, unless specified in the text.

End of Material Safety Data Sheet