



A CSW Industrials Company

SAFETY DATA SHEET

ODORGON™
Fuel Oil Odorizer

SECTION 1 - PRODUCT AND COMPANY INFORMATION

Product name

Odorgon

Product Codes

68516

Chemical Family

Organic/Inorganic

Use

Fuel oil deoderizer

Manufacturer's Name

RectorSeal LLC
2601 Spenwick Drive
Houston, Texas 77055 USA

Date of validation

March 15, 2022

Date of Preparation

March 15, 2022

HMIS Codes

Health 2

Flammability 1

Reactivity 0

PPI B

Emergency Telephone No.

Chemtrec 24 Hours
(800) 424-9300 USA
(703) 527-3887 International

Technical Service Telephone No.

(800) 231-3345 or (713) 263-8001

SECTION 2 - HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

OSHA Physical Hazards
Flamable Aerosol (Category 2)

GHS CLASSIFICATION

Gases Under Pressure: Liquefied Gas
Skin Irritant: Category 2
Eye Irritant: Category 2A

GHS Label elements, including precautionary statements



Signal Word: Danger
GHS04: Gas Cylinder
GHS07: Exclamation Mark

Hazard Statements:

Contains gas under pressure; may explode if heated.
Causes skin and serious eye irritation.
This product contains the following percentage of chemicals of unknown toxicity: N/A

Precautionary Statements:

Keep away from heat, sparks, open flames and hot surfaces. -No smoking. Pressurized container: Do not pierce or burn, even after use. Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F. Store in a well-ventilated place. Wash hands thoroughly after handling. Wear protective gloves and eye protection. If on skin: Wash with plenty of water. If skin irritation occurs: Get medical advice or attention. Take off contaminated clothing and wash it before reuse. 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 or attention.

SECTION 3 - COMPOSITION/INFORMATION ON INGREDIENTS

HAZARDOUS INGREDIENT	CAS NUMBER	PERCENT
Hexylene glycol	107-41-5	5-10%
Isopropyl alcohol	67-63-0	5-10%
n-Butane	106-97-8	5-10%
Propane	74-98-6	1-5%
Polyethylene glycol octylphenyl ether	9036-19-5	1-5%
Methyl salicylate	119-36-8	1-5%

SECTION 4 - FIRST AID MEASURES

If INHALED	Move to fresh air. If breathing is difficult, administer oxygen. If not breathing administer artificial respiration or at any sign of loss of consciousness seek immediate medical attention.
If on SKIN	Immediately wash with water for 15 minutes. Seek medical attention if irritation persists.
If in EYES	Immediately flush with water for 15 minutes while holding eyelids open. Seek medical attention if irritation persists.
If SWALLOWED	Rinse mouth with water. Do not induce vomiting unless directed by medical authority. Seek medical attention. Never give anything by mouth to an unconscious person.
ACUTE HEALTH HAZARDS	Causes skin irritation including redness, burning and drying/cracking. Causes eye irritation including redness, tearing, and pain. Inhalation of mist or vapors may cause respiratory irritation. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.
CHRONIC HEALTH HAZARDS	Respiratory disease and dermal related medical conditions.
NOTE TO PHYSICIAN	Treatment of overexposure should be directed at the control of symptoms and the clinical condition.

SECTION 5 - FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA: Dry chemical, carbon dioxide, foam, and water fog.

UNSUITABLE EXTINGUISHING MEDIA: Water jets or streams.

SPECIAL FIRE FIGHTING PROCEDURES: Wear NIOSH approved Self Contained Breathing Apparatus with a full face piece operated in a positive pressure demand mode with full body protective clothing when fighting fires. Use water spray only to cool exposed containers.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Contents under pressure. Exposure to temperatures above 120 °F may cause bursting. Keep away from heat, sparks, open flames and other sources of ignition. Vapors are heavier than air and can accumulate in low areas.

HAZARDOUS COMBUSTION PRODUCTS: Oxides of carbon.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

PERSONAL PROTECTIVE EQUIPMENT: Refer to section VIII for proper Personal Protective Equipment.

SPILL: Absorb with non-combustible material like vermiculite, sand or earth. Place waste in proper containers for waste disposal. Small releases may be wiped up with wiping material. U.S. regulations (CERCLA) require reporting spills and releases to soil, water and air in excess of reportable quantities. The toll-free number for the U.S. Coast Guard National Response Center is 800- 424-8802.

WASTE DISPOSAL: Dispose of in accordance with local, state and federal regulations. Do not reuse, puncture or incinerate container. Wrap container and place in trash collection.

RCRA STATUS: Product should be fully characterized prior to disposal (40 CFR 261).

SECTION 7 - HANDLING AND STORAGE

HANDLING AND STORAGE: Do not use or store near heat, open flames or other sources of ignition. Wear proper personal protective equipment when using this product. Avoid contact with skin, eyes and clothing. Do not inhale mist or vapor. Do not use or store with strong oxidizers. Protect from sunlight. Store in a well ventilated area. Do not expose to temperatures exceeding 50 °C/122 °F. Pressurized container: Do not pierce or burn, even after use. Store in a cool, dry area. Wash hands thoroughly after handling.

OTHER PRECAUTIONS: Keep out of the reach of children. Read and follow the directions on the product label. They are the best guide to using the product in the most effective manner. The label also gives you the necessary safety precautions to protect your health.

INCOMPATIBILITY: Strong oxidizing agents, strong reducing agents, acid chlorides. Strong acids.

SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

HAZARDOUS INGREDIENT	OSHA PEL	ACGIH TLV
Hexylene glycol	25 ppm	25 ppm
Isopropyl alcohol	400 ppm	200 ppm
n-Butane	Not Established	1000 ppm
Propane	1000 ppm	1000 ppm
Polyethylene glycol octylphenyl ether	Not Established	Not Established
Methyl salicylate	Not Established	Not Established

ENGINEERING CONTROLS / VENTILATION: General ventilation adequate but local exhaust/ventilation preferred.

RESPIRATORY PROTECTION: Not required with normal use. Wear NIOSH/MSHA approved respiratory protection if exposure limits are exceeded.

PERSONAL PROTECTIVE EQUIPMENT: Safety glasses/goggles and chemical resistant gloves.

ADDITIONAL MEASURES: Wear protective clothing to prevent repeated or prolonged contact with product. Avoid contact with skin or eyes and avoid breathing vapors. Wash hands after use. If clothing becomes contaminated, immediately remove and wash.

EXPOSURE GUIDELINES: N/D

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

ODOR THRESHOLD:	N/D
pH:	N/D
MELTING POINT/FREEZING POINT:	N/D
INITIAL BOILING POINT AND BOILING RANGE:	N/D
FLASH POINT:	N/D
EVAPORATION RATE:	N/D
FLAMMABILITY(solid/gas):	Not considered a flammable aerosol or an extremely flammable aerosol by OSHA (29CFR 1910.1200)
UPPER/LOWER FLAMMABILITY OR EXPLOSIVE LIMITS:	N/D
LOWER FLAMMABILITY LIMIT:	N/D
UPPER FLAMMABILITY LIMIT:	N/D
EXPLOSIVE LIMIT LOWER (%):	N/D
EXPLOSIVE LIMIT UPPER (%):	N/D
VAPOR PRESSURE (mm Hg):	N/D
VAPOR DENSITY (AIR=1):	N/D
RELATIVE DENSITY (H ₂ O=1):	0.96 - 1.02 @ 77 °F (25 °C)
SOLUBILITY(IES):	N/D
PARTITION COEFFICIENT: n-OCTANOL/WATER (KOW):	N/D
AUTOIGNITION TEMPERATURE:	N/D
DECOMPOSITION TEMPERATURE:	N/D
VISCOSITY:	N/D

SECTION 10 - STABILITY AND REACTIVITY

REACTIVITY: None known.

CHEMICAL STABILITY: Stable.

POSSIBLE HAZARDOUS REACTIONS: None known.

CONDITIONS TO AVOID: Temperatures greater than 122°F and sources of ignition. Avoid incompatibles.

INCOMPATIBLE MATERIALS: Strong oxidizing agents, strong reducing agents, acid chlorides. Strong acids.

HAZARDOUS DECOMPOSITION PRODUCTS: Oxides of carbon.

SECTION 11 - TOXICOLOGY INFORMATION

Toxicological Information

Ingredient Name

Isopropyl alcohol (67-63-0):

LD50 (Oral, Rat)	5045 mg/kg
LD50 (Dermal, Rabbit)	12870 mg/kg
LC50 (Inhalation, Rat, 4h)	78.6 mg/L

n-Butane (106-97-8):

LC50 (Inhalation, Rat, 4h)	30957 mg/m3
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Propane (74-98-6):

LC50 (Inhalation, Rat, 4h)	658 mg/L
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Polyethylene glycol octylphenyl ether (9036-19-5):

LD50 (Oral, Rat)	1900 - 5000 mg/kg
LD50 (Dermal, Rabbit)	> 3000 mg/L.

ROUTES OF ENTRY: Eyes, Inhalation, Skin

EYES: Causes irritation. May cause conjunctivitis with possible corneal injury.

INGESTION: Not an expected route of exposure. May cause gastrointestinal irritation, nausea.

INHALATION: May cause respiratory tract irritation.

SKIN: Causes localized defatting, irritation, dermatitis.

MEDICAL CONDITION AGGRAVATED: Pre-existing disorders of the skin, respiratory system, and eyes will be aggravated by over exposure.

ACUTE HEALTH HAZARDS: Causes skin irritation including redness, burning and drying/cracking. Causes eye irritation including redness, tearing, and pain. Inhalation of mist or vapors may cause respiratory irritation. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

CHRONIC HEALTH HAZARDS: Respiratory disease and dermal related medical conditions.

CARCINOGENICITY: OSHA: No ACGIH: No NTP: No IARC: No OTHER: CA Prop 65

SECTION 12 - ECOLOGICAL INFORMATION

Ecotoxicity

Ingredient Name

Hexylene glycol (107-41-5):

LC50 (Pimephales promelas, 96h)	8690 mg/L
LC50 (Lepomis macrochirus, 96h)	12800 mg/L
LC50 (Oncorhynchus mykiss, 96h)	9450 mg/L
EC50 (Daphnia magna, 48h)	5410 mg/L
EC50 (Pseudokirchneriella subcapitata, 72h)	> 420 mg/L
NOEC (Pseudokirchneriella subcapitata, 72h)	429 mg/L
NOEC (Pseudomonas putida, 10d)	200 mg/L

SECTION 12 - ECOLOGICAL INFORMATION

Isopropyl alcohol (67-63-0):

LC50 (Fish, 96h):	> 100 mg/L
LC50 (Pimephales promelas, 96h)	9640 mg/L
EC50 (Daphnia, 24h)	5102 mg/L

Polyethylene glycol octylphenyl ether (9036-19-5):

LC50 (Pimephales promelas, 96h)	4 - 8.9 mg/L
EC50 (Daphnia magna, 48h)	18 - 26 mg/L.

PERSISTENCE AND DEGRADABILITY: This product is biodegradable.

BIOACCUMULATIVE POTENTIAL: Components in this mixture can bioaccumulate in aquatic organisms.

MOBILITY IN SOIL: This product is mobile in soil.

OTHER ADVERSE EFFECTS: None known.

SECTION 13 - DISPOSAL CONSIDERATIONS

WASTE DISPOSAL: Dispose of in accordance with local, state and federal regulations. Do not reuse, puncture or incinerate container. Wrap container and place in trash collection.

RCRA STATUS: Product should be fully characterized prior to disposal (40 CFR 261).

SECTION 14 - TRANSPORTATION INFORMATION

Proper Shipping Name: Aerosols, Ltd. Qty.

Hazard Class/Division: 2.2

UN/NA Number: UN1950

Packing Group: N/A

Air Shipment

Proper Shipping Name: Aerosols, non-flammable

Hazard Class/Division: 2.2

UN/NA Number: UN1950

Packing Group: N/A

Shipping By Water

Vessel (IMO/IMDG) Proper Shipping Name: Aerosols

Hazard Class/Division: 2.2

UN/NA Number: UN1950

Packing Group: N/A

Environmental Hazards Water: N/A

SECTION 15 - REGULATORY INFORMATION

TSCA STATUS: All chemicals are listed or exempt.

CERCLA (COMPREHENSIVE RESPONSE COMPENSATION, AND LIABILITY ACT):

Acetone (67-64-1) Reportable Quantity = 5,000 pounds.

Methyl isobutyl ketone (108-10-1) Reportable Quantity = 5000 pounds.

SARA 311/312 HAZARD CATEGORIES: Gas under pressure. Skin corrosion or irritation. Serious eye damage or eye irritation.

SARA 313 REPORTABLE INGREDIENTS: This product does not contain any chemical components with known CAS numbers that exceed the threshold (de minimis) reporting levels established by SARA Title III, Section 313.

CLEAN WATER ACT:

Acetone (67-64-1) is a hazardous substance.

STATE REGULATIONS:

California Proposition 65: WARNING: This product can expose you to chemicals including Methyl Isobutyl Ketone (MIBK), which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

2-Amino-2-methyl-1-propanol (124-68-5): Included on State Hazardous Substances Inventories, Right-to-Know lists and/or Air Quality or Air Pollutants lists for the following states: MA, PA.

INTERNATIONAL REGULATIONS: No information available.

VOLATILE ORGANIC COMPOUNDS (VOC): 19%

NFPA HEALTH:	2
HMIS HEALTH:	2
NFPA FLAMMABILITY:	1
HMIS FLAMMABILITY:	1
NFPA REACTIVITY:	0
HMIS REACTIVITY:	0
NFPA OTHER:	None
HMIS PROTECTION:	B

SECTION 16 - OTHER INFORMATION

This document is prepared pursuant to the OSHA Hazard Communication Standard (29 CFR 1910.1200). The information herein is given in good faith, but no warranty, expressed or implied is made. Consult RectorSeal for further information: (713) 263-8001