

Safety Data Sheet
29 CFR 1910.1200

Section 1: Company and Product Identification

Product Name: CITRONELLA OIL 85/35

Company: THE JOHN D. WALSH CO., INC.
25 EXECUTIVE PKWY.
RINGWOOD, NJ 07456

Emergency Response: 24 HOUR EMERGENCY NUMBER
CHEMTREC (800) 424-9300

Section 2: Hazards Identification

GHS05

GHS07

GHS09

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Hazard Pictograms:**Signal Word:** Danger

Hazard Category: Flammable Liq Cat 4
Skin corrosion/irritation Cat 2
Serious eye damage/eye irritation Cat 1
Sensitization, skin Cat 1
Hazard to aquatic environment, acute Cat 2
Hazard to aquatic environment, chronic Cat 2

Hazard Statements: H227: Combustible liquid
H315: Causes skin irritation
H317: May cause an allergic skin reaction
H318: Causes serious eye damage
H401: Toxic to aquatic life
H411: Toxic to aquatic life with long lasting effects

Precautionary Statements: P210: Keep away from heat/sparks/open flames/hot surfaces – No smoking
P261: Avoid breathing dust/fume/gas/mist/vapours/spray
P264: Wash thoroughly after handling
P272: Contaminated work clothing should not be allowed out of the workplace
P273: Avoid release to the environment
P280: Wear protective gloves/protective clothing/eye protection/face protection
P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove
P310: Immediately call a POISON CENTER or doctor/physician
P321: Specific treatment (see ... on this label)
P332+313: If skin irritation occurs: Get medical advice/attention
P333+313: If skin irritation or a rash occurs: Get medical advice/attention
P362: Take off contaminated clothing and wash before reuse
P362+P364 - Take off contaminated clothing and wash before reuse.
P302+352: IF ON SKIN: Wash with soap and water
P370+378: In case of fire: Use appropriate media to extinguish
P391: Collect spillage
P501: Dispose of contents/container in accordance with local/regional/national/international rules.

Section 3: Composition / Information on Ingredients

Substance (name)	CAS #	Weight %
CITRONELLAL	10623-0	25-50
GERANIOL	106-24-1	10-25
dl-CITRONELLOL	106-22-9	10-25
GERANYL ACETATE	105-87-3	1-5
D-LIMONENE	5989-27-5	1-5
FARNESOL	4602-84-0	1-5
LINALOOL	78-70-6	1-5

Section 4: First Aid Measures

General Info: ENSURE THAT MEDICAL PERSONNEL ARE AWARE OF THE MATERIAL INVOLVED, AND TAKE PRECAUTIONS TO PROTECT THEMSELVES. SHOW SDS TO DOCTOR IN ATTENDANCE

If ingested: Rinse mouth. Seek immediate medical attention. Do not induce vomiting. Immediately call a poison control center

If inhaled: Remove to fresh air. Obtain medical attention if asthma-like symptoms or other symptoms develop. Oxygen may be necessary.

Eye contact: Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses if present and easy to do. Get medical attention if irritation develops or persists.

Skin contact: Take off immediately all contaminated clothing. Rinse with water thoroughly. Get medical advice if irritation develops or persists.

Additional Info: Observe for any symptoms for several hours after exposure. Follow up with medical attention if symptoms develop.

Section 5: Fire Fighting Measures

General Info: Product contains combustible liquid. Direct water spray may spread fire. Isolate any uncompromised product from area if possible. Do not breath fumes.

Extinguishing Water spray, Carbon dioxide (CO₂), dry chemical powder, dry powder, foam, and sand. Firefighters

Method / Equipment: should wear self-contained breathing apparatus (SCBA) and full protective equipment. DO NOT USE: A heavy stream of water to extinguish fire.

Hazardous Decomposition Info: Fire may produce irritating, corrosive and/or toxic gases

Section 6: Accidental Release Measures

Personal precautions, Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Wear appropriate

and procedures: protective equipment and clothing during clean-up. Avoid breathing vapors. Ventilate area if easy to do so. Contact local authorities if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.

Containment Equipment and Procedures: Large Spills: Contain actively spilling material if safe and easy to do so. Dike the spilled material, where this is possible. Utilize absorbent clay or sand to contain and stop spreading material.

Procedures:

Small Spills: Utilize absorbent clay or sand and transfer to waste receptacles.

Cleanup Procedures: Collect all contaminated clay, media, or other cleanup materials into a waste receptacle. If cleaning surface is necessary, utilize mineral spirits or other solvents, provided adequate ventilation is available.

Section 7: Handling and Storage

Safe Handling Precautions: Do not handle until all safety precautions have been read and understood. Do not handle near an open flame or sources of ignition. Ensure adequate ventilation. Take precautionary measures against static discharges. Avoid breathing vapors. Avoid contact with eyes, skin, and clothing. Avoid prolonged exposure. Wear appropriate personal protective equipment.

Recommendations for Storage: Store in cool area in the original product container away from sources of ignition or flame. Keep out of direct sunlight.

Incompatible Materials: Strong bases and strong acids.

Section 8: Exposure Control / Personal Protection

General / Engineering Controls: Local exhaust ventilation should be utilized to control vapors / substances below exposure limits. Eye wash facilities must be available when handling this product.

Work Clothing: Protective work clothing which covers skin and prevents exposures.

Eye/face protection: Wear safety goggles or face shield.

Skin Protection: Wear solvent resistant gloves.

Respiratory Protection: Chemical respirator with organic vapor cartridge and full face plate

Additional Information: Observe good chemical hygiene practices. Do not smoke or eat while using this product. Wash hands or exposed skin after using the product.

Section 9: Physical and Chemical Properties

State: Liquid	Melting Point: Not avail	Freezing Point: Not avail
Color: Colorless	Boiling point: Not avail	pH: Not avail
Relative Density: 0.89		Water Solubility in components of mixture: Geraniol: .07, D-Limonene : insoluble
Evaporation rate: Not avail	Flash Point: 170F	Part. Coeff (n-octanol/water): Not avail
Upper Flam Limits: Not avail	Lower Flam Limits: Not avail	Vapor Pressure: .8 mm Hg 25C

Section 10: Stability and Reactivity

General: This product is stable and non-reactive under normal conditions of use. Solvent vapors will evaporate from exposed material. Product is not subject to hazardous polymerization. Avoid open flame and ignition sources.

Incompatible materials: Strong oxidizing agents, strong acids.

Decomposition products: No decomposition products known. Toxic substances may be released in the event of a fire.

Section 11: Toxicological Information

Likely Routes of Exposure: Inhalation of vapors, dermal

Toxicological Information (contained substances)

Substance	LD50 Oral (Rat)	LD50 Dermal (Rabbit)	ATE US (oral)
CITRONELLAL	2420 mg/kg	>5000 mg/kg	2420 mg/kg bodyweight
GERANIOL	3600 mg/kg	>5000 mg/kg	3600 mg/kg bodyweight
CITRONELLOL	3450 mg/kg	2650 mg/kg	3450 mg/kg body weight
d-LIMONENE	4400 mg/kg	>5000 mg/kg	4400 mg/kg bodyweight

Sensitization: Causes skin irritation, serious eye damage, and may cause an allergic reaction.

Section 12: Ecological Information

Aquatic toxicity: Toxic to aquatic life with long lasting effects. Accumulation in aquatic organisms is expected

Degradation / Mobility info: Some components may cause long term adverse effects in the environment.

Bioaccumulative potential: No bioaccumulative potential

Section 13: Disposal Information

Product disposal: Dispose of product in accordance with local, regional, and national regulations. Consult with waste contractor. Contains low levels of flammable solvents.

Container disposal: Treat empty containers with extra care, as residual solvents may pose ignition hazard. Consult waste contractor.

Section 14: Transport Information

DOT GROUND NON NOT REGULATED
BULK:

IMO/IMDG: UN 3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID N.O.S.,9, III, MARINE POLLUTANT

IATA: UN 3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID N.O.S.,9, III

Section 15: Regulatory Information

TSCA: YES LISTED

CERCLA RQ: NOT LISTED

SARA 311/312: YES LISTED

SARA 313 NOT LISTED

California Prop 65 NOT LISTED
Substances:

Canadian DSL: YES LISTED

WHMIS: H-0,F-2,R-0

Section 16: Other Information

Version Date: 11/9/2016

Disclaimer: The information in this MSDS was obtained from current and reliable sources. However the data is provided without any warranty, expressed or implied, regarding its correctness or accuracy. It is the user's responsibility both to determine safe conditions for use of this product and to assume liability for loss, injury, damage, or, expense resulting from improper use of this product