

## OCTOLITE 424-50

Version	Revision Date:	MSDS Number:	Date of last issue: 04/21/2017
2.3	09/29/2017	F000000557	Date of first issue: 05/21/2015

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**SECTION 1. IDENTIFICATION**

Product name : OCTOLITE 424-50

Product code : F000000557

**Manufacturer or supplier's details**

Company name of supplier : Tiarco Chemical Company

Address : 1300 Tiarco Drive  
Dalton GA 30721Emergency telephone number : (CHEMTREC): (800) 424-9300 (CHEMTREC International):  
(703) 527-3887 Industrial Health/Spill Emergency: (706) 277-  
1300 Danny Welch (ehs@trcc.com)**SECTION 2. HAZARDS IDENTIFICATION****GHS Classification**

Reproductive toxicity (Oral) : Category 2

Chronic aquatic toxicity : Category 4

**GHS Label element**

Hazard pictograms :



Signal word : Warning

Hazard statements : H361 Suspected of damaging fertility or the unborn child if swallowed.  
H413 May cause long lasting harmful effects to aquatic life.

Precautionary statements : P201 Obtain special instructions before use.  
P202 Do not handle until all safety precautions have been read and understood.  
P273 Avoid release to the environment.  
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.  
P308 + P313 IF exposed or concerned: Get medical advice/ attention.

**Storage:**  
P405 Store locked up.

**Disposal:**  
P501 Dispose of contents/ container to an approved waste disposal plant.

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**Other hazards**

None known.

**SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS****Hazardous components**

Chemical Name	CAS-No.	Concentration (%)
Phenol, 4-methyl-, reaction products with dicyclopentadiene and isobutylene	68610-51-5	>= 20 - <= 25

**SECTION 4. FIRST AID MEASURES**

- If inhaled : Move to fresh air in case of accidental inhalation of vapours. Oxygen or artificial respiration if needed. Call a physician or poison control centre immediately.
- In case of skin contact : Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. If symptoms persist, call a physician.
- In case of eye contact : In case of eye contact, remove contact lens and rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Keep eye wide open while rinsing. Seek medical advice.
- If swallowed : Do not induce vomiting without medical advice. If conscious, drink plenty of water. Never give anything by mouth to an unconscious person.
- Most important symptoms and effects, both acute and delayed : None known.

**SECTION 5. FIREFIGHTING MEASURES**

- Suitable extinguishing media : Foam  
Carbon dioxide (CO<sub>2</sub>)  
ABC powder  
Water mist
- Specific hazards during fire-fighting : Exposure to decomposition products may be a hazard to health. Burning produces irritant fumes. Cool closed containers exposed to fire with water spray. Do not allow run-off from fire fighting to enter drains or water courses.

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- Specific extinguishing methods : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.  
Use water spray to cool unopened containers.  
Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.
- Further information : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.  
Use water spray to cool unopened containers.  
Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.
- Special protective equipment for firefighters : In the event of fire, wear self-contained breathing apparatus.  
Use personal protective equipment.  
Exposure to decomposition products may be a hazard to health.
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**SECTION 6. ACCIDENTAL RELEASE MEASURES**

- Personal precautions, protective equipment and emergency procedures : Use personal protective equipment.  
Ensure adequate ventilation.  
Material can create slippery conditions.  
Use non-slip safety shoes in areas where spills or leaks can occur.
- Environmental precautions : Prevent further leakage or spillage if safe to do so.  
Do not let product enter drains.  
Do not allow contact with soil, surface or ground water.  
Do not allow uncontrolled discharge of product into the environment.
- Methods and materials for containment and cleaning up : Dam up.  
Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).  
Sweep up and shovel.  
Pick up and transfer to properly labelled containers.  
Clean contaminated floors and objects thoroughly while observing environmental regulations.
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**SECTION 7. HANDLING AND STORAGE**

- Advice on protection against fire and explosion : No special protective measures against fire required. The product is not flammable.
- Advice on safe handling : Wear personal protective equipment.  
Handle with care.  
Take care to avoid waste and spillage when weighing, loading and mixing the product.
- Conditions for safe storage : No smoking.  
Keep in properly labelled containers.
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Observe label precautions.  
Keep containers tightly closed in a dry, cool and well-ventilated place.

Materials to avoid : Do not freeze.  
Keep away from food and drink.  
Keep away from tobacco products.

## SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Components with workplace control parameters****Hazardous components without workplace control parameters**

Components	CAS-No.
Phenol, 4-methyl-, reaction products with dicyclopentadiene and isobutylene	68610-51-5

**Engineering measures** : Handle only in a place equipped with local exhaust (or other appropriate exhaust).  
Maintain air concentrations below occupational exposure standards.

**Personal protective equipment**

Respiratory protection : No personal respiratory protective equipment normally required.  
When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.  
Use NIOSH approved respiratory protection.

Hand protection  
Material : Impervious gloves

Eye protection : Safety glasses with side-shields  
Tightly fitting safety goggles  
Face-shield

Skin and body protection : Chemical resistant apron  
Footwear protecting against chemicals  
Skin should be washed after contact.  
Change working clothes after each workshift.

Protective measures : Avoid contact with skin.  
When using do not eat, drink or smoke.  
Personal protective equipment comprising: suitable protective gloves, safety goggles and protective clothing  
The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

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Hygiene measures : Do not smoke.  
Keep away from food and drink.  
Avoid contact with skin, eyes and clothing.  
Change working clothes after each workshift.  
Remove and wash contaminated clothing and gloves, including the inside, before re-use.

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**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

Appearance : liquid

Colour : off-white

Odour : characteristic

pH : 9.0 - 10.0

Melting point/range : No data available

Boiling point/boiling range : > 200 °F

Flash point : > 206 °F

Upper explosion limit : No data available

Lower explosion limit : No data available

Vapour pressure : No data available

Solubility(ies)  
Water solubility : insoluble

Partition coefficient: n-octanol/water : No data available

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**SECTION 10. STABILITY AND REACTIVITY**

Reactivity : Stable

Possibility of hazardous reactions : Stable under recommended storage conditions.

Conditions to avoid : Protect from frost.

Incompatible materials : Oxidizing agents  
Strong acids and strong bases

Hazardous decomposition products : Carbon dioxide (CO<sub>2</sub>), carbon monoxide (CO), oxides of nitrogen (NO<sub>x</sub>), dense black smoke.

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**SECTION 11. TOXICOLOGICAL INFORMATION****Acute toxicity****Product:**

Acute oral toxicity : LD50 Oral (Rat, male and female): 5,000 mg/kg  
Method: OECD Test Guideline 401  
GLP: yes  
Remarks: No adverse effect has been observed in acute toxicity tests.  
The value is given in analogy to the following substances:

Acute inhalation toxicity : Remarks: No data available  
The value is given in analogy to the following substances:

Acute dermal toxicity : LD50 Dermal (Rat, male and female): 2,000 mg/kg  
Method: OECD Test Guideline 402  
GLP: yes  
Remarks: No adverse effect has been observed in acute toxicity tests.  
The value is given in analogy to the following substances:

**Components:****Phenol, 4-methyl-, reaction products with dicyclopentadiene and isobutylene:**

Acute inhalation toxicity : Remarks: No data available

Acute dermal toxicity : LD50 Dermal (Rat, male and female): 2,000 mg/kg  
Method: OECD Test Guideline 402  
GLP: yes  
Remarks: No adverse effect has been observed in acute toxicity tests.

**Skin corrosion/irritation****Product:**

Species: Rabbit  
Exposure time: 4 h  
Method: OECD Test Guideline 404  
Result: Mild skin irritation  
GLP: yes  
Remarks: slight irritation  
The value is given in analogy to the following substances:

**Components:****Phenol, 4-methyl-, reaction products with dicyclopentadiene and isobutylene:**

Species: Rabbit  
Exposure time: 4 h  
Method: OECD Test Guideline 404  
Result: Mild skin irritation  
GLP: yes

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Remarks: slight irritation

**Serious eye damage/eye irritation****Product:**

Species: Rabbit  
Result: No eye irritation  
Exposure time: 72 h  
Method: OECD Test Guideline 405  
GLP: yes  
Remarks: No eye irritation  
The value is given in analogy to the following substances:

**Components:****Phenol, 4-methyl-, reaction products with dicyclopentadiene and isobutylene:**

Species: Rabbit  
Result: No eye irritation  
Exposure time: 72 h  
Method: OECD Test Guideline 405  
GLP: yes  
Remarks: No eye irritation

**Respiratory or skin sensitisation****Product:**

Test Type: Maximisation Test (GPMT)  
Exposure routes: Dermal  
Species: Guinea pig  
Method: OECD Test Guideline 406  
GLP: yes  
Remarks: Did not cause sensitisation on laboratory animals.  
The value is given in analogy to the following substances:

**Germ cell mutagenicity****Product:**

Genotoxicity in vitro      : Test Type: In vitro mammalian cell gene mutation test  
Species: Salmonella typhimurium  
Metabolic activation: with and without metabolic activation  
Method: Mutagenicity (Salmonella typhimurium - reverse mu-  
tation assay)  
Result: negative  
GLP: yes  
Remarks: In vitro tests did not show mutagenic effects  
The value is given in analogy to the following substances:

**Carcinogenicity****IARC**

No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

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**OSHA** No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

**NTP** No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

**Reproductive toxicity****Product:**

Effects on foetal development : Species: Rabbit  
Strain: NZW  
Application Route: Oral  
Developmental Toxicity: No observed adverse effect level: 15 mg/kg body weight  
Method: OECD Test Guideline 414  
Remarks: No significant adverse effects were reported  
The value is given in analogy to the following substances:

Species: Rat  
Application Route: Oral  
General Toxicity Maternal: No observed adverse effect level: 1,000 mg/kg body weight  
Developmental Toxicity: No observed adverse effect level: 1,000 mg/kg body weight  
Method: OECD Test Guideline 414  
Result: No teratogenic effects  
The value is given in analogy to the following substances:

Reproductive toxicity - Assessment : Suspected of damaging fertility. Suspected of damaging the unborn child.  
The value is given in analogy to the following substances:

**Components:****Phenol, 4-methyl-, reaction products with dicyclopentadiene and isobutylene:**

Reproductive toxicity - Assessment : Suspected of damaging fertility. Suspected of damaging the unborn child.

**Repeated dose toxicity****Product:**

Species: Rat, male and female  
NOAEL: 32 mg/kg  
Application Route: Oral  
Exposure time: 90 Days  
Remarks: No adverse effect has been observed in chronic toxicity tests.  
The value is given in analogy to the following substances:



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**SECTION 12. ECOLOGICAL INFORMATION****Ecotoxicity****Product:**

Toxicity to fish :  
Remarks: No data available

Toxicity to daphnia and other :  
aquatic invertebrates Remarks: No data available

Toxicity to algae :  
Remarks: No data available

**Persistence and degradability**

No data available

**Bioaccumulative potential**

No data available

**Mobility in soil**

No data available

**Other adverse effects**

No data available

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**SECTION 13. DISPOSAL CONSIDERATIONS****Disposal methods**

Waste from residues : Do not dispose of waste into sewer.  
Dispose of in accordance with local regulations.  
Can be landfilled or incinerated, when in compliance with local regulations.

Contaminated packaging : Clean container with water.  
Empty containers should be taken to an approved waste handling site for recycling or disposal.

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**SECTION 14. TRANSPORT INFORMATION****International Regulation****UNRTDG**

Not regulated as a dangerous good

**IATA-DGR**

Not regulated as a dangerous good

**IMDG-Code**

Not regulated as a dangerous good

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**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**

Not applicable for product as supplied.

**National Regulations****49 CFR**

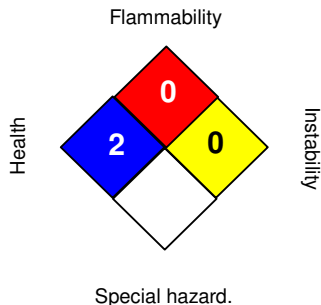
Not regulated as a dangerous good

**49 CFR**

Not regulated as a dangerous good

**SECTION 15. REGULATORY INFORMATION**

- SARA 302** : No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.
- SARA 313** : This material 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.
- California Prop 65** This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

**SECTION 16. OTHER INFORMATION****Further information****NFPA:****HMIS III:**

<b>HEALTH</b>	<b>2</b>
<b>FLAMMABILITY</b>	<b>1</b>
<b>PHYSICAL HAZARD</b>	

0 = not significant, 1 = Slight,  
2 = Moderate, 3 = High  
4 = Extreme, \* = Chronic

Revision Date : 09/29/2017

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 a guidance for safe handling, use, processing, storage, transportation, disposal and release and

# SAFETY DATA SHEET



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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.

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