



SAFETY DATA SHEET

Date Issued : 09/06/2019

SDS No : 1241

Orang-Sol 300

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Orang-Sol 300

GENERAL USE: Cleaner

PRODUCT CODE: 1241

MANUFACTURER

Detco Industries, Inc.

PO Box 430

Conway, AR 72033

Customer Service: 800-282-2133

E-Mail: support@detco.com

24 HR. EMERGENCY TELEPHONE NUMBERS

Poison Control Center (Medical) : (877) 800-5553

CHEMTREC (US Transportation) : (800) 424-9300

2. HAZARDS IDENTIFICATION

GHS CLASSIFICATIONS

Health:

Aspiration Hazard, Category 1

Skin Irritation, Category 2

Skin Sensitization, Category 1

Target Organ Toxicity (Single exposure), Category 3

Environmental:

Acute Hazards to the Aquatic Environment, Category 1

Chronic Hazards to the Aquatic Environment, Category 1

Physical:

Flammable Liquids, Category 3

GHS LABEL



Environment



Exclamation
mark



Flame



Health
hazard

SIGNAL WORD: DANGER

HAZARD STATEMENTS

H226: Flammable liquid and vapour.

H315: Causes skin irritation.

H317: May cause an allergic skin reaction.

H304: May be fatal if swallowed and enters airways.

H336: May cause drowsiness or dizziness.

H410: Very toxic to aquatic life with long lasting effects.

PRECAUTIONARY STATEMENTS

Prevention:

P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P280: Wear protective gloves/protective clothing/eye protection/face protection.

P264: Wash hands thoroughly after handling.

P271: Use only outdoors or in a well-ventilated area.

P261: Avoid breathing dust/fume/gas/mist/vapours/spray.

SAFETY DATA SHEET



Date Issued : 09/06/2019

SDS No : 1241

Orang-Sol 300

P273: Avoid release to the environment.

Response:

P303+P361+P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].

P302+P352: IF ON SKIN: Wash with plenty of water/...

P333+P313: If skin irritation or rash occurs: Get medical advice/attention.

P363: Wash contaminated clothing before reuse.

P301+P310: IF SWALLOWED: Immediately call a POISON CENTER/doctor/...

P331: Do NOT induce vomiting.

P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P312: Call a POISON CENTER/doctor/...if you feel unwell.

P391: Collect spillage.

Storage:

P403+P235: Store in a well-ventilated place. Keep cool.

P405: Store locked up.

Disposal:

P501: Dispose of contents/container in accordance with federal, state, and local regulations.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Wt.%	CAS
Distillates, Petroleum, Hydrotreated Light	50 - 55	64742-47-8
D-limonene	30 - 35	5989-27-5
2- Butoxyethanol	5 - 10	111-76-2
Nonylphenol Ethoxylate	5 - 10	9016-45-9

4. FIRST AID MEASURES

EYES: Immediately flush eyes with plenty of water. Get medical attention, if irritation persists.

SKIN: Wash with soap and water. Get medical attention if irritation develops or persists.

INGESTION: Get immediate medical attention. Do not induce vomiting unless instructed to do so by poison center or physician.

INHALATION: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

NOTES TO PHYSICIAN: Treat symptomatically.

5. FIRE FIGHTING MEASURES

GENERAL HAZARD: Combustible liquid and vapor.

EXTINGUISHING MEDIA: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Caution: Use of water spray when fighting fire may be inefficient.

FIRE FIGHTING EQUIPMENT: As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

SENSITIVE TO STATIC DISCHARGE: None

SENSITIVITY TO IMPACT: None

6. ACCIDENTAL RELEASE MEASURES

SMALL SPILL: Remove all sources of ignition. Contain spill. Absorb liquid and place in a sealed container for disposal. Avoid runoff into storm sewers and ditches which lead to waterways.

SAFETY DATA SHEET



Date Issued : 09/06/2019

SDS No : 1241

Orang-Sol 300

GENERAL PROCEDURES: Ensure adequate ventilation, especially in confined areas.

7. HANDLING AND STORAGE

GENERAL PROCEDURES: Keep away from heat, sparks and flame.

HANDLING: Follow all SDS/label precautions even after container is emptied because it may retain product residues.

STORAGE: Store in original container.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE GUIDELINES

OSHA HAZARDOUS COMPONENTS (29 CFR1910.1200)				
EXPOSURE LIMITS				
Chemical Name	Type		ppm	mg/m ³
2- Butoxyethanol	OSHA PEL	TWA	50	240
	ACGIH TLV	TWA	20	97
	Supplier OEL	TWA	NL	NL
		STEL	NL	NL

PERSONAL PROTECTIVE EQUIPMENT

EYES AND FACE: Safety glasses with side shields (or goggles).

SKIN: Rubber or nitrile gloves.

RESPIRATORY: None Expected.

PROTECTIVE CLOTHING: None Expected.

WORK HYGIENIC PRACTICES: Handle in accordance with good industrial hygiene and safety practices.

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Liquid

ODOR: Citrus

COLOR: Orange

pH: NA = Not Applicable

FLASH POINT AND METHOD: (112°F) TAG CC

FLAMMABLE LIMITS: Not yet determined

VAPOR PRESSURE: Not yet determined

VAPOR DENSITY: Not yet determined

BOILING POINT: 100°C (212°F)

SOLUBILITY IN WATER: Emulsifiable

PARTITION COEFFICIENT: N-OCTANOL/WATER: Not yet determined

EVAPORATION RATE: Not yet determined

SPECIFIC GRAVITY: 0.81 g/mL

(VOC): 97.0 %

10. STABILITY AND REACTIVITY



SAFETY DATA SHEET

Date Issued : 09/06/2019

SDS No : 1241

Orang-Sol 300

REACTIVITY: No data available.

HAZARDOUS POLYMERIZATION: Will not occur.

STABILITY: Stable

CONDITIONS TO AVOID: Temperatures above 120F, heat, flame and sources of ignition.

POSSIBILITY OF HAZARDOUS REACTIONS: None known.

HAZARDOUS DECOMPOSITION PRODUCTS: Oxides of carbon.

INCOMPATIBLE MATERIALS: None known.

11. TOXICOLOGICAL INFORMATION

ACUTE TOXICITY

Chemical Name	ORAL LD 50	DERMAL LD 50	INHALATION LC 50
2- Butoxyethanol	470 mg/kg	220 mg/kg	450 ppm

SKIN CORROSION/IRRITATION: No data available.

SERIOUS EYE DAMAGE/IRRITATION: No data available.

RESPIRATORY OR SKIN SENSITISATION: No data available.

GERM CELL MUTAGENICITY: No data available.

CARCINOGENICITY

NOTES: No data available.

REPRODUCTIVE TOXICITY: No data available.

STOT-SINGLE EXPOSURE: No data available.

STOT-REPEATED EXPOSURE: No data available.

ASPIRATION HAZARD: No data available.

12. ECOLOGICAL INFORMATION

ENVIRONMENTAL DATA: Not Available

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: Dispose of in accordance with federal, state and local regulations.

EMPTY CONTAINER: Do not reuse container.

14. TRANSPORT INFORMATION

DOT (DEPARTMENT OF TRANSPORTATION)

PROPER SHIPPING NAME: Combustible Liquid, N.O.S.

TECHNICAL NAME: (Terpene Hydrocarbons)

PRIMARY HAZARD CLASS/DIVISION: None

UN/NA NUMBER: 1993

PACKING GROUP: III

15. REGULATORY INFORMATION

UNITED STATES

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)



SAFETY DATA SHEET

Date Issued : 09/06/2019

SDS No : 1241

Orang-Sol 300

TSCA (TOXIC SUBSTANCE CONTROL ACT)

Chemical Name	CAS
Distillates, Petroleum, Hydrotreated Light	64742-47-8
D-limonene	5989-27-5
2- Butoxyethanol	111-76-2
Nonylphenol Ethoxylate	9016-45-9

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).

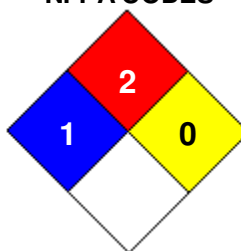
16. OTHER INFORMATION

PREPARED BY: E. Spicer Date Prepared: 09/06/2019

HMIS RATING

HEALTH	<input type="checkbox"/>	1
FLAMMABILITY		2
PHYSICAL HAZARD		0
PERSONAL PROTECTION		B

NFPA CODES



MANUFACTURER DISCLAIMER: The information provided in this Safety Data Sheet has been obtained from sources believed to be reliable. Manufacturer provides no warranties, either expressed or implied and assumes no responsibility for the accuracy or completeness of the data contained herein.