

SAFETY DATA SHEET



Date Prepared : 12/17/2010
 MSDS No : 1236
 Date Revised : 05/06/2015
 Revision No : 1

Orang-Sol 200

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Orang-Sol 200
GENERAL USE: Cleaner
PRODUCT CODE: 1236

MANUFACTURER

Detco Industries, Inc.
 PO Box 430
 Conway, AR 72033
Product Stewardship: (800) 282-2133

24 HR. EMERGENCY TELEPHONE NUMBERS

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



Flame



Health hazard



Exclamation mark



Environment

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 STATEMENT(S)

Prevention:

P210: Keep away from heat/sparks/open flames/hot surfaces. – No smoking.
 P280: Wear protective gloves/protective clothing/eye protection/face protection.
 P264: Wash hands thoroughly after handling.

SAFETY DATA SHEET



Date Prepared : 12/17/2010
 MSDS No : 1236
 Date Revised : 05/06/2015
 Revision No : 1

Orang-Sol 200

P271: Use only outdoors or in a well-ventilated area.
 P261: Avoid breathing dust/fume/gas/mist/vapours/spray.
 P273: Avoid release to the environment.

Response:

P303+P361+P353: IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
 P302+P352: IF ON SKIN: Wash with plenty of soap and 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 or doctor/physician.
 P331: Do NOT induce vomiting.
 P304+P340: IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing.
 P312: Call a POISON CENTER or doctor/physician if you feel unwell.
 P370+P378: In case of fire: Use dry chemical, foam, or carbon dioxide for extinction.
 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.

TARGET ORGAN STATEMENT: Central nervous system.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Wt. %	CAS
Distillates, Petroleum, Hydrotreated Light	60 - 65%	64742-47-8
D-limonene	30 - 35%	5989-27-5
2- Butoxyethanol	2 - 5%	111-76-2

4. FIRST AID MEASURES

EYES: Flush eyes with water for at least 15 minutes. If pain and/or irritation persists, get medical attention.
SKIN: Flush affected area with water for 15 minutes. Remove contaminated clothing. If pain and/or irritation persists, get medical attention. Launder clothes before reusing.
INGESTION: Do not induce vomiting. Give 2 glasses of water. Get immediate medical attention.
INHALATION: Remove to fresh air. If not breathing, give artificial respiration or give oxygen by trained personnel. Seek immediate medical attention.

5. FIRE FIGHTING MEASURES

GENERAL HAZARD: Flammable liquid and vapor.
EXTINGUISHING MEDIA: Carbon dioxide, water fog, foam or dry chemical. Do not use water jet as an extinguisher, as this will spread the fire.
FIRE FIGHTING PROCEDURES: As in any fire, wear self-contained breathing apparatus pressure-demand, (MSHA/NIOSH approved or equivalent) and full protective gear.

SAFETY DATA SHEET



Date Prepared : 12/17/2010
 MSDS No : 1236
 Date Revised : 05/06/2015
 Revision No : 1

Orang-Sol 200

6. ACCIDENTAL RELEASE MEASURES

SMALL SPILL: Remove all sources of ignition. Contain spill. Absorb liquid and place in sealed container for disposal.

7. HANDLING AND STORAGE

STORAGE: Store in a cool dry place.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE GUIDELINES

OSHA HAZARDOUS COMPONENTS (29 CFR1910.1200)							
		EXPOSURE LIMITS					
		OSHA PEL		ACGIH TLV		Supplier OEL	
Chemical Name		ppm	mg/m ³	ppm	mg/m ³	ppm	mg/m ³
2- Butoxyethanol	TWA	50 ppm [1]	240 mg/m ³ [1]	20 ppm [2]	97 mg/m ³ [2]	NL ppm	NL ppm
	STEL	ppm	mg/m ³	ppm	mg/m ³	NL mg/m ³	NL mg/m ³
Footnotes:							
1. NL = Not Listed							
2. S = Skin							

PERSONAL PROTECTIVE EQUIPMENT

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

SKIN: Wear rubber or nitrile gloves.

RESPIRATORY: None.

PROTECTIVE CLOTHING: None.

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Liquid

ODOR: Citrus

COLOR: Orange

pH: NA = Not Applicable

FLASHPOINT AND METHOD: 42°C (108°F) TAG CC

FLAMMABLE LIMITS: N/D to N/D

VAPOR PRESSURE: Not Determined

VAPOR DENSITY: Not Determined

BOILING POINT: Not Determined

FREEZING POINT: Not Determined

SAFETY DATA SHEET



Date Prepared : 12/17/2010
 MSDS No : 1236
 Date Revised : 05/06/2015
 Revision No : 1

Orang-Sol 200

SOLUBILITY IN WATER: Insoluble
EVAPORATION RATE: Not Determined
SPECIFIC GRAVITY: 0.79
(VOC): 100.000 %
COEFF. OIL/WATER: Not Determined

10. STABILITY AND REACTIVITY

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: Strong oxidizers.

11. TOXICOLOGICAL INFORMATION

ACUTE

Chemical Name	ORAL LD ₅₀ (rat)	DERMAL LD ₅₀ (rabbit)
Distillates, Petroleum, Hydrotreated Light	> 5000 mg/kg	> 2000 mg/kg

CARCINOGENICITY

Chemical Name	IARC Status
D-limonene	3
2- Butoxyethanol	3

12. ECOLOGICAL INFORMATION

ECOTOXICOLOGICAL INFORMATION: Not available.

13. DISPOSAL CONSIDERATIONS

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

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

SAFETY DATA SHEET



Date Prepared : 12/17/2010
 MSDS No : 1236
 Date Revised : 05/06/2015
 Revision No : 1

Orang-Sol 200

15. REGULATORY INFORMATION

UNITED STATES

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

FIRE: Yes **PRESSURE GENERATING:** No **REACTIVITY:** No **ACUTE:** Yes **CHRONIC:** No

313 REPORTABLE INGREDIENTS: None known.

16. OTHER INFORMATION

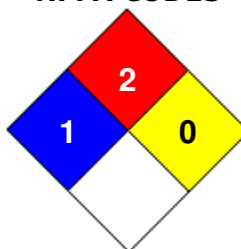
PREPARED BY: E. Spicer **Date Revised:** 05/06/2015

REVISION SUMMARY: This MSDS replaces the 12/17/2010 MSDS. Revised: **Section 2:** POTENTIAL HEALTH EFFECTS (SKIN, INHALATION, INGESTION), TARGET ORGAN STATEMENT. **Section 5:** EXTINGUISHING MEDIA, GENERAL HAZARD. **Section 6:** SMALL SPILL. **Section 7:** STORAGE. **Section 9:** BOILING POINT, COEFF. OIL/WATER, EVAPORATION RATE, FLASHPOINT AND METHOD, FREEZING POINT, VAPOR DENSITY, VAPOR PRESSURE, (VOC). **Section 10:** CONDITIONS TO AVOID, POSSIBILITY OF HAZARDOUS REACTIONS. **Section 15:** ACUTE, CHRONIC, FIRE, PRESSURE GENERATING, REACTIVITY, 313 REPORTABLE INGREDIENTS. **Section 16:** MANUFACTURER DISCLAIMER.

HMIS RATING

HEALTH	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.