

# Safety Data Sheet

acc. to OSHA HCS

Printing date 10/24/2023

Reviewed on 10/24/2023

## 1 Identification

- **Product identifier** 50739-245
- **Trade name:** **ORANGE-SOL Heavy Duty 245**
- **Application of the substance / the mixture**  
Removal of adhesives, tape residue, permanent ink, tar, asphalt, crude oil, lubricants, carbon black, sap, soot, etc.
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**  
ORANGE-SOL  
Blending and Packaging, inc.  
1400 N. Fiesta Blvd., Bldg. 100  
Gilbert, AZ 85233-1000  
USA  
Toll Free 800-877-7771  
Tel 480-497-8822
- **Information department:** Product safety department
- **Emergency telephone number:**  
Infotrac  
800-535-5053



## 2 Hazard(s) Identification

- **Classification of the substance or mixture**



GHS02 Flame

Flam. Liq. 3 H226 Flammable liquid and vapor.

- **Label elements**

- **GHS label elements**

The product is classified and labeled according to the Globally Harmonized System (GHS).

- **Hazard pictograms**



GHS02

- **Signal word** Warning

- **Hazard statements**

Flammable liquid and vapor.

- **Precautionary statements**

Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

Keep container tightly closed.

Ground/bond container and receiving equipment.

Use explosion-proof electrical/ventilating/lighting/equipment.

Use only non-sparking tools.

Take precautionary measures against static discharge.

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

If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.

In case of fire: Use for extinction: CO2, powder or water spray.

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Store in a well-ventilated place. Keep cool.

Dispose of contents/container in accordance with local/regional/national/international regulations.

· **Classification system:**· **NFPA ratings (scale 0 - 4)**

Health = 0

Fire = 2

Reactivity = 0

· **HMIS-ratings (scale 0 - 4)**

Health = 0

Fire = 2

Reactivity = 0

· **Other hazards**· **Results of PBT and vPvB assessment**· **PBT:** Not applicable.· **vPvB:** Not applicable.

## 3 Composition/Information on Ingredients

· **Chemical characterization: Mixtures**· **Description:** Mixture of the substances listed below with nonhazardous additions.· **Dangerous components:** No hazardous components

## 4 First-Aid Measures

· **Description of first aid measures**· **After inhalation:** Supply fresh air; consult doctor in case of complaints.· **After skin contact:** Generally the product does not irritate the skin.· **After eye contact:** Rinse opened eye for several minutes under running water.· **After swallowing:** If symptoms persist consult doctor.· **Information for doctor:**· **Most important symptoms and effects, both acute and delayed**

No further relevant information available.

· **Indication of any immediate medical attention and special treatment needed**

No further relevant information available.

## 5 Fire-Fighting Measures

· **Extinguishing media**· **Suitable extinguishing agents:** CO<sub>2</sub>, sand, extinguishing powder. Do not use water.· **For safety reasons unsuitable extinguishing agents:** Water with full jet· **Special hazards arising from the substance or mixture** No further relevant information available.

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- **Advice for firefighters**
- **Protective equipment:** No special measures required.

## 6 Accidental Release Measures

- **Personal precautions, protective equipment and emergency procedures**  
Wear protective equipment
- **Environmental precautions:** Do not allow to enter sewers/ surface or ground water.
- **Methods and material for containment and cleaning up:**  
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).  
Do not flush with water or aqueous cleansing agents
- **Reference to other sections**  
See Section 7 for information on safe handling.  
See Section 8 for information on personal protection equipment.  
See Section 13 for disposal information.

## 7 Handling and Storage

- **Handling:**
- **Precautions for safe handling** No special precautions are necessary if used correctly.
- **Information about protection against explosions and fires:**  
Keep ignition sources away - Do not smoke.  
Protect against electrostatic charges.
- **Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** No special requirements.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** Keep receptacle tightly sealed.
- **Specific end use(s)** No further relevant information available.

## 8 Exposure Controls/Personal Protection

- **Additional information about design of technical systems:** No further data; see item 7.
- **Control parameters**
- **Components with limit values that require monitoring at the workplace:**  
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
- **Additional information:** The lists that were valid during the creation were used as basis.
- **Exposure controls**
- **Personal protective equipment:**
- **General protective and hygienic measures:** Wash hands before breaks and at the end of work.
- **Breathing equipment:** Not required.
- **Protection of hands:** Use chemical resistant gloves

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## · Eye protection:



Tightly sealed goggles

## 9 Physical and Chemical Properties

|                                                         |                                                                                            |
|---------------------------------------------------------|--------------------------------------------------------------------------------------------|
| · Information on basic physical and chemical properties |                                                                                            |
| · General Information                                   |                                                                                            |
| · Appearance:                                           |                                                                                            |
| Form:                                                   | Fluid                                                                                      |
| Color:                                                  | Light yellow                                                                               |
| · Odor:                                                 | Light citrus                                                                               |
| · Odor threshold:                                       | Not determined.                                                                            |
| · pH-value:                                             | Not determined.                                                                            |
| · Change in condition                                   |                                                                                            |
| Melting point/Melting range:                            | Undetermined.                                                                              |
| Boiling point/Boiling range:                            | Undetermined.                                                                              |
| · Flash point:                                          | 54.4 °C (129.9 °F)                                                                         |
| · Flammability (solid, gaseous):                        | Not applicable.                                                                            |
| · Decomposition temperature:                            | Not determined.                                                                            |
| · Auto igniting:                                        | Product is not selfigniting.                                                               |
| · Danger of explosion:                                  | Product is not explosive. However, formation of explosive air/vapor mixtures are possible. |
| · Explosion limits:                                     |                                                                                            |
| Lower:                                                  | Not determined.                                                                            |
| Upper:                                                  | Not determined.                                                                            |
| · Vapor pressure at 20 °C (68 °F):                      | 2 mm of Hg                                                                                 |
| · Weight per Gallon:                                    | 6.5 lbs/gallon                                                                             |
| · Specific Gravity                                      | .78                                                                                        |
| · Vapor density                                         | (Air=1), >1                                                                                |
| · Evaporation rate at 20 °C (68 °F)                     | (BuAc=1) 0.1                                                                               |
| · Solubility in / Miscibility with                      |                                                                                            |
| Water:                                                  | Dispersible                                                                                |
| · Partition coefficient (n-octanol/water):              | Not determined.                                                                            |
| · Viscosity:                                            |                                                                                            |
| Dynamic:                                                | Not determined.                                                                            |
| Kinematic:                                              | Not determined.                                                                            |
| · Other information                                     | No further relevant information available.                                                 |

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## 10 Stability and Reactivity

- **Reactivity** No further relevant information available.
- **Chemical stability**
- **Thermal decomposition / conditions to be avoided:**  
No decomposition if used according to specifications.
- **Possibility of hazardous reactions** No dangerous reactions known.
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** No dangerous decomposition products known.

## 11 Toxicological Information

- **Information on toxicological effects**
- **Acute toxicity:**
- **Primary irritant effect:**
- **on the skin:** No irritant effect.
- **on the eye:** No irritating effect.
- **Sensitization:** No sensitizing effects known.
- **Additional toxicological information:**
- **Carcinogenic categories**

|                                                             |
|-------------------------------------------------------------|
| · <b>IARC (International Agency for Research on Cancer)</b> |
|-------------------------------------------------------------|

|                                    |
|------------------------------------|
| None of the ingredients is listed. |
|------------------------------------|

|                                            |
|--------------------------------------------|
| · <b>NTP (National Toxicology Program)</b> |
|--------------------------------------------|

|                                    |
|------------------------------------|
| None of the ingredients is listed. |
|------------------------------------|

|                                                                    |
|--------------------------------------------------------------------|
| · <b>OSHA-Ca (Occupational Safety &amp; Health Administration)</b> |
|--------------------------------------------------------------------|

|                                    |
|------------------------------------|
| None of the ingredients is listed. |
|------------------------------------|

## 12 Ecological Information

- **Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **Persistence and degradability** No further relevant information available.
- **Behavior in environmental systems:**
- **Bioaccumulative potential** No further relevant information available.
- **Mobility in soil** No further relevant information available.
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **Other adverse effects** No further relevant information available.

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## 13 Disposal Considerations

- **Waste treatment methods**
- **Recommendation:**  
Must not be disposed of together with household garbage. Do not allow product to reach sewage system.
- **Uncleaned packagings:**
- **Recommendation:** Disposal must be made according to official regulations.

## 14 Transport Information

|                                                                                     |                                       |
|-------------------------------------------------------------------------------------|---------------------------------------|
| · <b>UN-Number</b>                                                                  | UN 1268                               |
| · <b>DOT, IMDG, IATA</b>                                                            |                                       |
| · <b>UN proper shipping name</b>                                                    | Petroleum Distillates, n.o.s.         |
| · <b>DOT, IMDG, IATA</b>                                                            |                                       |
| · <b>Transport hazard class(es)</b>                                                 |                                       |
| · <b>DOT</b>                                                                        |                                       |
|   |                                       |
| · <b>Class</b>                                                                      | 3 Flammable liquids                   |
| · <b>Label</b>                                                                      | 3                                     |
| · <b>IMDG, IATA</b>                                                                 |                                       |
|  |                                       |
| · <b>Class</b>                                                                      | 3 Flammable liquids                   |
| · <b>Label</b>                                                                      | 3                                     |
| · <b>Packing group</b>                                                              |                                       |
| · <b>DOT, IMDG, IATA</b>                                                            | III                                   |
| · <b>Environmental hazards:</b>                                                     |                                       |
| · <b>Marine pollutant:</b>                                                          | No                                    |
| · <b>Special precautions for user</b>                                               | Warning: Flammable liquids            |
| · <b>Danger code (Kemler):</b>                                                      | 30                                    |
| · <b>EMS Number:</b>                                                                | F-E, S-E                              |
| · <b>Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code</b>    | Not applicable.                       |
| · <b>UN "Model Regulation":</b>                                                     | UN1268, Petroleum Distillates, n.o.s. |

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## 15 Regulatory Information

- Safety, health and environmental regulations/legislation specific for the substance or mixture
- Sara

- **Section 355 (extremely hazardous substances):**

None of the ingredients is listed.

- **Section 313 (Specific toxic chemical listings):**

None of the ingredients is listed.

- **TSCA (Toxic Substances Control Act):**

All ingredients are listed.

- **Proposition 65**

- **Chemicals known to cause cancer:**

None of the ingredients is listed.

- **Chemicals known to cause reproductive toxicity for females:**

None of the ingredients is listed.

- **Chemicals known to cause reproductive toxicity for males:**

None of the ingredients is listed.

- **Chemicals known to cause developmental toxicity:**

None of the ingredients is listed.

- **Carcinogenic categories**

- **EPA (Environmental Protection Agency)**

None of the ingredients is listed.

- **TLV (Threshold Limit Value established by ACGIH)**

None of the ingredients is listed.

- **NIOSH-Ca (National Institute for Occupational Safety and Health)**

None of the ingredients is listed.

- **GHS label elements**

The product is classified and labeled according to the Globally Harmonized System (GHS).

- **Hazard pictograms**



GHS02

- **Signal word** Warning

- **Hazard statements**

Flammable liquid and vapor.

- **Precautionary statements**

Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

Keep container tightly closed.

Ground/bond container and receiving equipment.

Use explosion-proof electrical/ventilating/lighting/equipment.

Use only non-sparking tools.

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Take precautionary measures against static discharge.

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

If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.

In case of fire: Use for extinction: CO<sub>2</sub>, powder or water spray.

Store in a well-ventilated place. Keep cool.

Dispose of contents/container in accordance with local/regional/national/international regulations.

**Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

### 16 Other Information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· **Department issuing SDS:** Environment protection department.

· **Contact:** Orange-Sol Blending & Packaging, Inc.

· **Date of preparation / last revision** 10/24/2023

· **Abbreviations and acronyms:**

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

ACGIH: American Conference of Governmental Industrial Hygienists

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

NFPA: National Fire Protection Association (USA)

HMIS: Hazardous Materials Identification System (USA)

Flam. Liq. 3: Flammable liquids – Category 3

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**800.220.1966**

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