

Safety Data Sheet

acc. to OSHA HCS


Printing date 09/04/2015

Reviewed on 09/04/2015

1 Identification

- **Product identifier** 50771-231
- **Trade name:** **ORANGE-SOL Spot Remover Citrus Solvent**
- **Application of the substance / the mixture**
Removal of adhesives, asphalt, tar, fresh blood, chewing gum, crayon, grease, scuff marks, oil, soap scum, wax, etc.
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
ORANGE-SOL
Blending & 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**
H227 Combustible liquid.
- **Classification according to Directive 67/548/EEC or Directive 1999/45/EC** Not applicable.
- **Information concerning particular hazards for human and environment:**
The product does not have to be labeled due to the calculation procedure of international guidelines.
- **Classification system:**
The classification was made according to the latest editions of international substances lists, and expanded upon from company and literature data.
- **Label elements**
- **Labelling according to EU guidelines:**
Observe the general safety regulations when handling chemicals.
The product is not subject to identification regulations according to directives on hazardous materials.
- **Classification system:**
- **NFPA ratings (scale 0 - 4)**


Health = 0
Fire = 2
Reactivity = 0
- **HMIS-ratings (scale 0 - 4)**

HEALTH	0
FIRE	2
REACTIVITY	0

Health = 0
Fire = 2
Reactivity = 0
- **Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.

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 · **vPvB:** Not applicable.

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3 Composition/Information on Ingredients

- **Chemical characterization: Mixtures**
 - **Description:** Mixture of the substances listed below with nonhazardous additions.
 - **Dangerous components:** No hazardous components
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4 First-Aid Measures

- **Description of first aid measures**
 - **General information:** No special measures required.
 - **After inhalation:** Move to fresh air. If irritation develops and persists, contact a physician.
 - **After skin contact:**
Remove affected clothing. Wash skin thoroughly with soap and water. Irritation develops and persists, contact a physician.
 - **After eye contact:**
Remove contact lenses, flush with water for at least 15 minutes while lifting eyelids. If irritation develops and persists, contact a physician.
 - **After swallowing:** Do not induce vomiting. May cause chemical pneumonia if aspirated into lungs.
 - **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.
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5 Fire-Fighting Measures

- **Extinguishing media**
 - **Suitable extinguishing agents:** Treat as Oil Fire CO2 Dry Chemical Foam.
 - **Special hazards arising from the substance or mixture**
As with any organic material, combustion will produce carbon dioxide and/or carbon monoxide.
 - **Advice for firefighters** Do not use streams of water; may spread burning liquid.
 - **Protective equipment:**
Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
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6 Accidental Release Measures

- **Personal precautions, protective equipment and emergency procedures** Not required.
- **Environmental precautions:** No special measures required.
- **Methods and material for containment and cleaning up:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
- **Reference to other sections**
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.

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See Section 13 for disposal information.

7 Handling and Storage

- **Handling:**
- **Precautions for safe handling**
No special measures required.
Avoid prlonged skin contact. Wash affected skin after using.
- **Information about protection against explosions and fires:**
Store in tightly closed, original container away from flame or other ignition source.
- **Conditions for safe storage, including any incompatibilities**
Store in dry, cool and well-ventilated area.
- **Storage:**
- **Requirements to be met by storerooms and receptacles:**
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** None.
- **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.
- **Exposure controls**
- **Personal protective equipment:**
- **General protective and hygienic measures:**
The usual precautionary measures for handling chemicals should be followed.
- **Breathing equipment:** Avoid breathing mist.
- **Protection of hands:** Gloves recommended for over-exposure.
- **Material of gloves** Chemical resistant gloves.
- **Eye protection:** Goggles recommended based on splash potential.

9 Physical and Chemical Properties

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|--|--------|
| · Information on basic physical and chemical properties | |
| · General Information | |
| · Appearance: | |
| Form: | Fluid |
| Color: | Clear |
| Odor: | Citrus |
| · pH-value: None | |

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· Change in condition Boiling point/Boiling range:	Undetermined.
· Flash point:	67 °C (153 °F) (PMCC, ASTM D-93)
· Flammability (solid, gaseous):	Non-Flammable
· Auto igniting:	Product is not selfigniting
· Danger of explosion:	Product does not present an explosion hazard.
· Explosion limits: Lower: Upper:	Not determined. Not determined.
· Vapor pressure:	Not determined.
· Weight per Gallon: · Specific Gravity · Evaporation rate at 20 °C (68 °F) (BuAc=1)	6.65 lbs/gal .797 0.06
· Solubility in / Miscibility with Water: · Other information	Not miscible or difficult to mix. No further relevant information available.

10 Stability and Reactivity

- **Reactivity** Not determined.
- **Chemical stability** Stable
- **Thermal decomposition / conditions to be avoided:**
No decomposition if used according to specifications.
- **Possibility of hazardous reactions** No dangerous reactions known.
- **Conditions to avoid** Keep away from heat or source of ignition.
- **Incompatible materials:** Strong oxidizers, acids and alkalis.
- **Hazardous decomposition products:** CO, CO2

11 Toxicological Information

- **Information on toxicological effects**
- **Acute toxicity:**
- **Primary irritant effect:**
 - **on the skin:** Mild skin irritant
 - **on the eye:** Mild eye irritant
- **Sensitization:** No sensitizing effects known.
- **Additional toxicological information:**
The product is not subject to classification according to internally approved calculation methods for preparations:
When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.

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- **Carcinogenic categories**

· IARC (International Agency for Research on Cancer)
None of the ingredients is listed.
· NTP (National Toxicology Program)
None of the ingredients is listed.
· OSHA-Ca (Occupational Safety & Health Administration)
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.
- **Additional ecological information:**
- **General notes:** Biodegradable
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **Other adverse effects** No further relevant information available.

13 Disposal Considerations

- **Waste treatment methods**
- **Recommendation:**
Biodegradable
This product has been evaluated for RCRA characteristics and does not meet the criteria for a hazardous waste, if discarded in its purchased form.
- **Uncleaned packagings:**
- **Recommendation:** Disposal must be made according to official regulations.

14 Transport Information

· UN-Number	NA
· DOT, ADN, IMDG, IATA	not regulated
· UN proper shipping name	Not Regulated
· DOT, ADN, IMDG, IATA	not regulated
· Transport hazard class(es)	
· DOT, ADN, IMDG, IATA	
· Class	not regulated

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· Packing group · DOT, IMDG, IATA	Not Regulated not regulated
· Environmental hazards: · Marine pollutant:	No
· Special precautions for user	Not applicable.
· Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not applicable.
· UN "Model Regulation":	-

15 Regulatory Information

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

· Section 355 (extremely hazardous substances):
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None of the ingredients is listed.

· Section 313 (Specific toxic chemical listings):
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None of the ingredients is listed.

· TSCA (Toxic Substances Control Act):

None of the ingredients is listed.

· Proposition 65

· Chemicals known to cause cancer:

None of the ingredients is listed.

· Chemicals known to cause reproductive toxicity for females:
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None of the ingredients is listed.

· Chemicals known to cause reproductive toxicity for males:
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None of the ingredients is listed.

· Chemicals known to cause developmental toxicity:

None of the ingredients is listed.

· Carcinogenic categories

· EPA (Environmental Protection Agency)
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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.

· Product related hazard informations:

Observe the general safety regulations when handling chemicals.

The product is not subject to identification regulations according to directives on hazardous materials.
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- **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.
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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:** Jack Farnsworth
- **Date of preparation / last revision** 09/04/2015 / -

- **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)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

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