

# Safety Data Sheet

acc. to OSHA HCS

Printing date 04/28/2015

Reviewed on 04/13/2015

## 1 Identification

- **Product identifier**
- **Trade name:** Tropical
- **Article number:** 37400
- **Details of the supplier of the safety data sheet**
- **Supplier:**  
Penco Products Inc.  
1820 Stonehenge Dr.  
Greenville NC 27858  
USA
- **Phone number:** 252-917-5287
- **Emergency telephone number:** INFOTRAC 800-535-5053

## 2 Hazard(s) identification

- **Classification of the substance or mixture**



GHS08 Health hazard

Asp. Tox. 1 H304 May be fatal if swallowed and enters airways.



GHS07

Acute Tox. 4 H302 Harmful if swallowed.

Skin Sens. 1 H317 May cause an allergic skin reaction.

- **Label elements**

- **GHS label elements**

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

- **Hazard pictograms**



GHS07



GHS08

- **Signal word** Danger

- **Hazard-determining components of labeling:**

Distillates (petroleum), hydrotreated light

2-(4-tert-Butylbenzyl)propionaldehyde

allyl hexanoate

Amyl cinnamal

- **Hazard statements**

Harmful if swallowed.

May cause an allergic skin reaction.

May be fatal if swallowed and enters airways.

- **Precautionary statements**

Avoid breathing dust/fume/gas/mist/vapors/spray

(Contd. on page 2)

US

# Safety Data Sheet

acc. to OSHA HCS

Printing date 04/28/2015

Reviewed on 04/13/2015

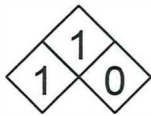
Trade name: Tropical

(Contd. of page 1)

Wear protective gloves.  
 Wash thoroughly after handling.  
 Do not eat, drink or smoke when using this product.  
 Contaminated work clothing must not be allowed out of the workplace.  
 If swallowed: Immediately call a poison center/doctor.  
 Specific treatment (see on this label).  
 Wash contaminated clothing before reuse.  
 If skin irritation or rash occurs: Get medical advice/attention.  
 Rinse mouth.  
 Do NOT induce vomiting.  
 If on skin: Wash with plenty of water.  
 Store locked up.  
 Dispose of contents/container in accordance with local/regional/national/international regulations.

· **Classification system:**

· **NFPA ratings (scale 0 - 4)**



Health = 1  
 Fire = 1  
 Reactivity = 0

· **HMIS-ratings (scale 0 - 4)**

HEALTH	1
FIRE	1
REACTIVITY	0

Health = 1  
 Fire = 1  
 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:**

64742-47-8	Distillates (petroleum), hydrotreated light ⚠ Flam. Liq. 3, H226; ⚠ Asp. Tox. 1, H304
80-54-6	2-(4-tert-Butylbenzyl)propionaldehyde ⚠ Acute Tox. 3, H301; ⚠ Skin Sens. 1, H317
121-33-5	vanillin ⚠ Acute Tox. 4, H302
123-68-2	allyl hexanoate ⚠ Acute Tox. 3, H301; ⚠ Eye Irrit. 2A, H319; Flam. Liq. 4, H227
77-83-8	Aldehyde C-16 ⚠ Flam. Liq. 3, H226; ⚠ Skin Irrit. 2, H315; Eye Irrit. 2A, H319; STOT SE 3, H335
140-11-4	benzyl acetate
2705-87-5	allyl 3-cyclohexylpropionate ⚠ Acute Tox. 3, H301

(Contd. on page 3)

# Safety Data Sheet

acc. to OSHA HCS

Printing date 04/28/2015

Reviewed on 04/13/2015

Trade name Tropical

(Contd. of page 2)

67634-00-8	allyl (3-methylbutoxy)acetate ⚠ Acute Tox. 3, H301
4940-11-8	2-ethyl-3-hydroxy-4-pyrone ⚠ Acute Tox. 3, H301
122-40-7	Amyl cinnamal ⚠ Skin Sens. 1, H317
106-24-1	Geraniol ⚠ Skin Sens. 1, H317; Flam. Liq. 4, H227
101-86-0	HEXYL CINNAMIC ALDEHYDE ⚠ Skin Sens. 1, H317
107-75-5	Hydroxy-citronellal ⚠ Skin Irrit. 2, H315; Skin Sens. 1, H317
78-70-6	Linalool ⚠ Skin Sens. 1, H317; Flam. Liq. 4, H227
8028-48-6	Orange Oil 5X ⚠ Flam. Liq. 3, H226; ⚠ Asp. Tox. 1, H304; ⚠ Skin Irrit. 2, H315; Skin Sens. 1, H317
101-84-8	diphenyl ether

#### 4 First-aid measures

- **Description of first aid measures**

- **After inhalation:**

Supply fresh air and to be sure call for a doctor.

In case of unconsciousness place patient stably in side position for transportation.

- **After skin contact:** Immediately wash with water and soap and rinse thoroughly.

- **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>, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

- **Special hazards arising from the substance or mixture** No further relevant information available.

- **Advice for firefighters**

- **Protective equipment:** No special measures required.

#### 6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures** Not required.

- **Environmental precautions:**

Do not allow product to reach sewage system or any water course.

(Contd. on page 4)

# Safety Data Sheet

acc. to OSHA HCS

Printing date 04/28/2015

Reviewed on 04/13/2015

**Trade name:** Tropical

(Contd. of page 3)

Inform respective authorities in case of seepage into water course or sewage system.

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).

Dispose contaminated material as waste according to item 13.

Ensure adequate ventilation.

· **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**

Ensure good ventilation/exhaustion at the workplace.

Prevent formation of aerosols.

· **Information about protection against explosions and fires:** No special measures required.

· **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:** 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:**

**121-33-5 vanillin**

WEEL Long-term value: 10 mg/m<sup>3</sup>

**140-11-4 benzyl acetate**

TLV Long-term value: 61 mg/m<sup>3</sup>, 10 ppm

· **Additional information:** The lists that were valid during the creation were used as basis.

· **Exposure controls**

· **Personal protective equipment:**

· **General protective and hygienic measures:**

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing.

Wash hands before breaks and at the end of work.

· **Breathing equipment:**

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use respiratory protective device that is independent of circulating air.

(Contd. on page 5)

# Safety Data Sheet

acc. to OSHA HCS

Printing date 04/28/2015

Reviewed on 04/13/2015

Trade name: Tropical

(Contd. of page 4)

· **Protection of hands:**



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

· **Material of gloves**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

· **Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

· **Eye protection:** Goggles recommended during refilling.

## 9 Physical and chemical properties

· **Information on basic physical and chemical properties**

· **General Information**

· **Appearance:**

Form:	Liquid
Color:	Yellow
Odor:	Characteristic
Odour threshold:	Not determined.

· **pH-value:** Not determined.

· **Change in condition**

Melting point/Melting range:	Undetermined.
Boiling point/Boiling range:	175 °C (347 °F)

· **Flash point:** > 93 °C (> 199 °F)

· **Flammability (solid, gaseous):** Not applicable.

· **Ignition temperature:** 210 °C (410 °F)

· **Decomposition temperature:** Not determined.

· **Auto igniting:** Product is not selfigniting.

· **Danger of explosion:** Product does not present an explosion hazard.

· **Explosion limits:**

Lower:	0.5 Vol %
Upper:	6.5 Vol %

· **Vapor pressure at 20 °C (68 °F):** 2 hPa (2 mm Hg)

· **Density:** Not determined.

(Contd. on page 6)



# Safety Data Sheet

acc. to OSHA HCS

Printing date 04/28/2015

Reviewed on 04/13/2015

Trade name: Tropical

(Contd. of page 5)

· <b>Relative density</b>	Not determined.
· <b>Vapour density</b>	Not determined.
· <b>Evaporation rate</b>	Not determined.
· <b>Solubility in / Miscibility with Water:</b>	Not miscible or difficult to mix.
· <b>Partition coefficient (n-octanol/water):</b>	Not determined.
· <b>Viscosity:</b>	
<b>Dynamic:</b>	Not determined.
<b>Kinematic:</b>	Not determined.
· <b>Solvent content:</b>	
<b>Organic solvents:</b>	1.0 %
<b>VOC content:</b>	1.0 %
	10.0 g/l / 0.08 lb/gl
· <b>Solids content:</b>	7.9 %
· <b>Other information</b>	No further relevant information available.

## 10 Stability and reactivity

- **Reactivity**
- **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:** Sensitization possible through skin contact.
- **Additional toxicological information:**  
The product shows the following dangers according to internally approved calculation methods for preparations:  
Irritant

- **Carcinogenic categories**

- **IARC (International Agency for Research on Cancer)**

140-11-4 benzyl acetate

3

- **NTP (National Toxicology Program)**

None of the ingredients is listed.

(Contd. on page 7)

US

# Safety Data Sheet

acc. to OSHA HCS

Printing date 04/28/2015

Reviewed on 04/13/2015

Trade name: Tropical

(Contd. of page 6)

· **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.
- **Ecotoxicological effects:**
- **Remark:** Harmful to fish
- **Additional ecological information:**
- **General notes:**  
Water hazard class 2 (Self-assessment): hazardous for water  
Do not allow product to reach ground water, water course or sewage system.  
Danger to drinking water if even small quantities leak into the ground.  
Harmful to aquatic organisms
- **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:**  
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>                  |               |
| · <b>DOT, ADN, IMDG, IATA</b>       | not regulated |
| · <b>UN proper shipping name</b>    |               |
| · <b>DOT, ADN, IMDG, IATA</b>       | not regulated |
| · <b>Transport hazard class(es)</b> |               |
| · <b>DOT, ADN, IMDG, IATA</b>       |               |
| · <b>Class</b>                      | not regulated |
| · <b>Packing group</b>              |               |
| · <b>DOT, IMDG, IATA</b>            | not regulated |

(Contd. on page 8)

US

# Safety Data Sheet

acc. to OSHA HCS

Printing date 04/28/2015

Reviewed on 04/13/2015

Trade name: Tropical

(Contd. of page 7)

- |   |                 |
|---|-----------------|
| <b>· Environmental hazards:</b>   |                 |
| <b>· Marine pollutant:</b>  | No              |
| <b>· Special precautions for user</b>   | Not applicable. |
| <b>· Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code</b> | Not applicable. |
| <b>· UN "Model Regulation":</b>   | -               |

## 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)**

140-11-4 | benzyl acetate

A4

- **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**



GHS07

GHS08

(Contd. on page 9)

US



# Safety Data Sheet

## acc. to OSHA HCS

Printing date 04/28/2015

Reviewed on 04/13/2015

Trade name: Tropical

(Contd. of page 8)

- **Signal word** *Danger*
- **Hazard-determining components of labeling:**  
*Distillates (petroleum), hydrotreated light  
 2-(4-tert-Butylbenzyl)propionaldehyde  
 allyl hexanoate  
 Amyl cinnamal*
- **Hazard statements**  
*Harmful if swallowed.  
 May cause an allergic skin reaction.  
 May be fatal if swallowed and enters airways.*
- **Precautionary statements**  
*Avoid breathing dust/fume/gas/mist/vapors/spray  
 Wear protective gloves.  
 Wash thoroughly after handling.  
 Do not eat, drink or smoke when using this product.  
 Contaminated work clothing must not be allowed out of the workplace.  
 If swallowed: Immediately call a poison center/doctor.  
 Specific treatment (see on this label).  
 Wash contaminated clothing before reuse.  
 If skin irritation or rash occurs: Get medical advice/attention.  
 Rinse mouth.  
 Do NOT induce vomiting.  
 If on skin: Wash with plenty of water.  
 Store locked up.  
 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.*

- **Relevant phrases**  
*H226 Flammable liquid and vapor.  
 H227 Combustible liquid.  
 H301 Toxic if swallowed.  
 H302 Harmful if swallowed.  
 H304 May be fatal if swallowed and enters airways.  
 H315 Causes skin irritation.  
 H317 May cause an allergic skin reaction.  
 H319 Causes serious eye irritation.  
 H335 May cause respiratory irritation.*
- **Date of preparation / last revision** *04/28/2015 / -*
- **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*

(Contd. on page 10)

US

# Safety Data Sheet

acc. to OSHA HCS

Printing date 04/28/2015

Reviewed on 04/13/2015

**Trade name: Tropical**

(Contd. of page 9)

*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)*  
*VOC: Volatile Organic Compounds (USA, EU)*  
*Flam. Liq. 3: Flammable liquids, Hazard Category 3*  
*Flam. Liq. 4: Flammable liquids, Hazard Category 4*  
*Acute Tox. 3: Acute toxicity, Hazard Category 3*  
*Acute Tox. 4: Acute toxicity, Hazard Category 4*  
*Skin Irrit. 2: Skin corrosion/irritation, Hazard Category 2*  
*Eye Irrit. 2A: Serious eye damage/eye irritation, Hazard Category 2A*  
*Skin Sens. 1: Sensitisation - Skin, Hazard Category 1*  
*STOT SE 3: Specific target organ toxicity - Single exposure, Hazard Category 3*  
*Asp. Tox. 1: Aspiration hazard, Hazard Category 1*

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