



The Green Tree Company®

First Edition: 01.01.2000  
Actual Version: US / CAN: EN 6.4  
Issue Date: 15.09.2017

# SAFETY DATA SHEET

OSHA HCS-2012 / GHS

## AraBon®

### 1 IDENTIFICATION

**1.1 Product name:** AraBon®

Additional names: ---  
Part Numbers: ---

**1.2 Relevant identified uses of the mixture① and uses advised against②:**

Industrial and professional.

① Odour elimination and neutralizing.

② None known - only use for the purposes mentioned in the technical data sheet.

**1.3 Company:**

**(CH) Address of the manufacturer:**

The Green Tree Company  
Speerstrasse 7  
CH-8810 Horgen

Telephone: +41 44 770 3015  
Email: info@thegreentreecompany.com

**Responsible for this MSDS:**

Rolf Schmidhäusler

Telephone: +41 55 460 1212  
Email: rolf@rsg-europe.com

**1.4 Emergency Phone**

**Of the manufacturer:**

Monday – Friday: 08:00 – 17:00

Telephone: +41 44 770 3015  
Email: info@thegreentreecompany.com

**Chem-Tel 24-Hour emergency Service:**

Swiss Toxicological Center, Zurich

Cemical Product IDentification: CPID 552470-30

Telephone: (CH) +41 44 251 5151  
Email: info@toxinfo.ch  
URL: www.toxinfo.ch

### 2 HAZARDS IDENTIFICATION

**2.1 Classification of the mixture:**

This product is not classified as hazardous under 2012 OSHA Hazard Communication Standards (29 CFR 1910.1200).  
This product is not classified as hazardous under 453/2010 EC.

**2.2 OSHA HCS 2012 - Label elements:**

None.

**Signal word(s):** None.

**Hazard Statements (H-phrases):**

--- None

**Precautionary Statements (P - Phrases):**

P102 Keep out of reach of children.

P301-330-331 IF SWALLOWED: Rinse mouth. Do not induce vomiting.

P302-352 IF ON SKIN: wash with plenty of soap and water.

P305-351-338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P314 Get medical attention if you feel unwell.

**Hazards Not Otherwise Classified (HNOC):**

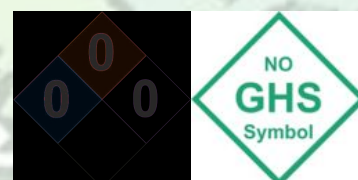
Contain: Lilal / 2-(4-tert-butylbenzyl)propional-aldehyde - may cause allergenic reactions

**2.3 Other Information:**

None Known.

**Hazard Symbol(s) / pictogram(s):**

None.





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### 3 INFORMATION ON THE COMPOSITION / INGREDIENTS

CAS-No. EINECS-No. INDEX-No. REACH-No.	Substance name EC-Name IUPAC-Name	m%-range	Symbol	H-Phrases	\$
7732-18-5 231-791-2	WATER	>85	---	---	
61827-42-7 Polymer N.a. N.a.	POLY(OXY-1,2-ETHANEDIYL), A-ISODECYL- W-HYDROXY	<1	GHS05 GHS07	H318 H302	
N.a. * N.a. N.a. N.a.	PROPRIETARY BLEND OF NATURAL OILS *	<1	---	---	
N.a. * N.a. N.a. N.a.	FRAGRANCE * Allergenic substances within the fragrance are mentioned below	<0,5	GHS07 GHS09	H315, H317, H361 H411	
68424-85-1 270-325-2 N.a. 01-2119983287-23	BENZYL-C112-16-ALKYLDIMETHYL-, CHLORIDE	<0,05	GHS05 GHS07 GHS09	H314 H302 H400	
7173-51-5 230-525-2 N.a. 01-2119945987-15	DIDECALDIMETHYLAMMONIUMCHLORIDE	<0,05	GHS05 GHS07 GHS09	H314 H302 H400	
85409-23-0 287-090-7 N.a. Pre-Registration Proc.	C12-14-ALKYL[(ETHYLPHENYL)METHYL] DIMETHYL-, CHLORIDE	<0,05	GHS05 GHS07 GHS09	H314 H302 H400	
67-63-0 200-661-7 603-117-00-0 01-2119457558-25	PROPAN-2-OL	<0,03	GHS02 GHS07	H225 H319, H336	\$

#### Allergenic Components / Substances according to EC 2001/15:

CAS-No. EINECS-No. REACH Registration No.	Substance name EC-name	m%-range	Symbol	H-Phrases
80-54-6 201-289-8 N.a. Pre-Registration Proc.	LILAL 2-(4-TERT-BUTYLBENZYL)PROPIONAL- ALDEHYDE	<0,02	GHS07	H302, H317

\* specific percentages of composition are being withheld as a trade secret.

\$ substances with limited values / exposure control - see section 8.

Full texts of H-phrases of substances are indicated under section 16.

### 4 FIRST AID MEASURES

- 4.1 **Inhalation:**  
Remove to fresh air. If breathing is irregular or stopped, administer artificial respiration.
- 4.2 **Skin contact:**  
After contact with skin, wash with soap and water. In the case of skin irritation or allergic reaction see a physician.
- 4.3 **Eye Contact:**

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In case of eye contact, remove contact lenses and rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Consult a physician.

#### 4.4 Ingestion:

Clean mouth with water and drink afterwards plenty of water. Do not induce vomiting.

#### 4.5 Most important symptoms and effects, both acute and delayed:

None known.

#### 4.6 Indication of any immediate medical attention and special treatment needed.

Treat symptomatically.

### 5 FIRE FIGHTING MEASURES

#### 5.1 Extinguishing media

##### 5.1.1 Suitable extinguishing media:

Use dry chemical, CO<sub>2</sub>, water spray or alcohol-foam.

##### 5.1.2 Extinguishing media to avoid:

Avoid high volume jet water.

#### 5.2 Special hazards arising from the mixture:

In the event of fire, carbon oxides may be formed.

#### 5.3 Advice to fire fighters:

Wear positive pressure self-contained breathing apparatus. Wear full protective clothing. See section 9 for Physical Properties.

### 6 ACCIDENTAL RELEASE MEASURES

#### 6.1 Personal precautions, protective equipment and emergency procedures:

See chapter/section 8.

#### 6.2 Environmental precautions:

Do not allow material to contaminate ground water system. Do not contaminate surface water. Prevent further leakage or spillage is safe to do so. Local authorities should be advised if significant spillages cannot be contained.

#### 6.3 Methods and material for containment and cleaning up:

Sweep up or vacuum up spillage and collect in suitable container for disposal.

### 7 HANDLING AND STORAGE

#### 7.1 Precautions for safe handling:

##### 7.1.1 Precaution for safe handling:

Avoid contact with the skin and the eyes. When using, do not eat, drink or smoke. Remove and wash contaminated clothing before re-use. Wash hands before and at the end of workday.

##### 7.1.2 Precaution in case of fire or explosion:

Do not smoke. Normal measures for preventive fire protection.

#### 7.2 Conditions for safe storage, including any incompatibilities:

##### 7.2.1 Storage instructions:

Keep at temperatures between 50°F (+10°C) and 86°F (30°C): Keep container tightly closed.

##### 7.2.2 Store away from:

Do not store together with oxidizing agents.

##### 7.2.3 Further information on Storage Conditions:

Do not store at high temperatures and under sunlight.

### 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

#### 8.1 Control parameters

##### Material / substance:

CAS 67-63-0

2-PROPANOL

200ppm

500mg/m<sup>3</sup>

##### TLV-TWA or TLV-STEL under OSHA or ACGIH / MAK-values:

The low concentration of <0,03% of this substance in the product is not relevant for any exposure controls.





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### 8.2 Exposure controls:

8.2.1 **Appropriate engineering controls:**  
None.

### 8.3 Individual protection measures:

8.3.1 **Respiratory Protection:** Not necessary under normal use of the product.

8.3.2 **Hand Protection:** Not necessary under normal use of the product.  
The use of gloves (butyl) is recommended when risk of prolonged contact with skin is possible.

8.3.3 **Eye Protection:** Not necessary under normal use of the product.  
The use of safety goggles is recommended if product is sprayed above/over head.

8.3.4 **Skin protection:** No need for special protective clothing under normal conditions of use of the product.

8.3.5 **Other information:** Avoid contact with skin, eyes and clothing. Wash hands before brakes and immediately after work with the product.

## 9 PHYSICAL AND CHEMICAL PROPERTIES

9.1	<b>Appearance:</b>	Liquid			
9.2	<b>Colour:</b>	Transparent, light yellowish			
9.3	<b>Odour:</b>	Product specific - aromatic			
9.4	<b>Odour threshold:</b>	Not determined.			
9.5	<b>pH value:</b>	<b>100 %:</b>	6,5 - 7,5	<b>10 %:</b>	N.a.
9.6	<b>Boiling point:</b>		~212 (~100) °F (°C)	<b>Melting point:</b>	~32 (~0)
9.7	<b>Flash point:</b>		N.a. °F (°C)	Non flammable!	
9.8	<b>Flammability (CEE A10/A13):</b>		No		
9.9	<b>Ignition temperature:</b>		N.a. °F (°C)		
9.10	<b>Autoflammability (CEE A16):</b>		No		
9.11	<b>Oxidising properties:</b>		No		
9.12	<b>Explosion hazard:</b>		No		
9.13	<b>Explosion limits (Vol-%)</b>	<b>lower:</b>	N.a.	<b>upper:</b>	N.a.
9.14	<b>Vapour pressure:</b>		N.a. hPa		
9.15	<b>Relative Density at 20°C:</b>		~1.000 g/l		
9.16	<b>Solubility:</b>		100 % in water		
9.17	<b>Partition coefficient, n-octanol/water:</b>		N.d.		
9.18	<b>Dynamic viscosity:</b>		<20 mPa*s		
9.19	<b>Solvent content (m %):</b>		N.a. %		
9.20a	<b>V.O.C. content - EC / CH :</b>		0,021 % (CAS 67-63-0)	2-PROPANOL	
9.20b	<b>V.O.C. content - SCAQMD 304-91 / EPA 24:</b>		N.d.		
9.20c	<b>V.O.C. content - CARB Method 310**:</b>		N.d.		
9.21	<b>Thermal decomposition</b>		>572 (>300) °F (°C)		
9.22	<b>Vapour density (Air = 1):</b>		N.d.		
9.23	<b>Surface tension</b>		30 - 40 mN/m2	SITA Tensiometer	

\*\* Water & Fragrance exemption in calculation.

## 10 STABILITY AND REACTIVITY

10.1 **Reactivity:**  
Non-reactive.

10.2 **Chemical stability:**  
Stable under normal conditions.

10.3 **Possibility of hazardous reactions:**  
No dangerous reaction known under normal use.

10.4 **Conditions to avoid:**  
Keep storing temperature under 95°F (+35 °C).

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## 10.5 Incompatible materials:

Strong oxidizing agents.

## 10.6 Hazardous decomposition products:

Normal products of combustion.

## 11 TOXICOLOGICAL INFORMATION

### 11.1 Likely Routes of exposure:

11.1.1 **INHALATION:** Not expected to cause problems of the respiratory system.

11.1.2 **SKIN CONTACT:** Not expected to cause irritation, repeated contact may cause dry skin.

11.1.3 **EYE CONTACT:** Not expected to cause irritation.

11.1.4 **INGESTION:** Ingestion may cause nausea, vomiting, throat irritation, stomach upset.

### 11.2. Numerical Measures of Toxicity:

11.2.1	Acute toxicity by inhalation:	LC <sub>50</sub> Rat, (mg/l 4h):	N.a.
11.2.2	Acute toxicity by ingestion:	LD <sub>50</sub> Rat, (mg/kg): OECD 401	>5000
11.2.3	Acute toxicity by skin contact:	LD <sub>50</sub> Rabbit, (mg/kg):	>5000
11.2.4	Corrosion / irritation on skin:	Rabbit, DOT, 24h	No.
11.2.5	Corrosion / irritation on eye:	Rabbit, DOT	No.
11.2.6	Sensitization:	Guinea pig, OECD 406	No

### Subacute / Chronic Toxicity:

11.2.7 Germ Cell Mutagenicity: None. Mixture does not classify under this category.

11.2.8 Carcinogenicity: No ingredients trigger or classify under this category under NTP, IARC or OSHA.

11.2.9 Reproductive Toxicity: None. Mixture does not classify under this category.

11.2.10 STOT-Single Exposure: None. Mixture does not classify under this category.

11.2.11 STOT-Repeated Exposure: None. Mixture does not classify under this category.

11.2.12 Aspiration Hazard: None. Mixture does not classify under this category.

### 11.3 General Remarks:

Classification of the preparation has been done by calculation in accordance with EEC directives.

## 12 ECOLOGICAL INFORMATION

The described ecological effects of the preparation are based on the substances in this preparation:

### 12.1 Aquatic / Eco-Toxicity:

Fish toxicity:	Pimephales promelas	US-EPA,	96 h	CL50	>100 mg/l
Toxicity to water flea:	Daphnia magna	OECD 202,	48 h	CE50	>100 mg/l
Toxicity to algae's:	Pseudokirchneriella subcapitata	OECD 201	72 h	CE50	>100 mg/l

### 12.2 Persistence and degradability:

Biodegradability:	OECD 303 A	> 90%
	OECD 302 A: 7 d	> 90%
	OECD 301 B: 28 d	Mineralisation: > 85%, Elimination: > 97%.

### 12.3 Bioaccumulation potential:

None.

### 12.4 Mobility in Soil:

Not determined for the mixture.

### 12.5 Results of PBT and vPvB-assessment :

The preparation does not contain substances considered/classified as PBT od VPvB.

### 12.7 Other adverse effects:

No effect on the ozone-layer. No effect on the global warming-up.



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### 13 DISPOSAL CONSIDERATIONS

Do not dispose into areas where an accumulation of the preparation could be a danger/hazard. Never dispose of used solutions, rinsates into lakes, streams and open bodies of water or storm drains.

#### 13.1 Unused or Used Liquid:

May be considered hazardous in your area depending on usage and tonnage of disposal. Mixture does not form emulsions with hydrocarbons. May be disposed off via oil-separators. Check with local, regional or national regulations for appropriate methods of disposal.

#### 13.2 Empty Containers:

May be offered for recycling.

### 14 TRANSPORT INFORMATION

	ADR	IMDG	IATA
	Not classified as hazardous.	Not classified as hazardous	Not classified as hazardous.
14.1 UN- number:	N.a.	N.a.	N.a.
14.2 UN proper shipping name:	N.a.	N.a.	N.a.
14.3 Transport hazard class:	N.a.	N.a.	N.a.
14.4 Packaging group:	N.a.	N.a.	N.a.
14.5 Environmental hazards:	Marine pollutant:		
	No.	No.	No.
14.6 Special precaution for user:	None.	None.	None.
14.7 Transport in bulk according to annex II of MARPOL 73/78 and the IBC-Code:	Na.	n.a.	n.a.
14.8 Other shipping information:	None.		

### 15 REGULATORY INFORMATION

- 15.1 TSCA and DSL Inventory: All components are listed.
- 15.2 SARA Title III:  
Sections 311/312 Hazard Categories - Not applicable.  
Sections 313 Superfunds Amendments and Reauthorizations Act of 1986 - Not applicable.  
Sections 302 Not applicable.
- 15.3 Clean air Act (CAA): Not applicable.
- 15.4 Clean Water Act (CWA): Not applicable.
- 15.5 State Right To Know Lists: No ingredients listed.
- 15.6 California Proposition 65: No ingredients listed.

### 16 OTHER INFORMATIONS

#### 16.1 Symbols in section 3:

GHS02



GHS05



GHS06



GHS07



GHS08



GHS09



No Symbol



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Flammable    Corrosive    Toxic    Irritant    Health damage    Environmental  
damaging

### 16.2 NFPA:

Health - None

Stability - stable

Flammability - Non-flammable

Special - None



### 16.3 Text of H-phrases in section 3.2 :

H225 Highly flammable liquid and vapour  
H290 May be corrosive to metals  
H302 Harmful if swallowed.  
H314 Causes severe skin burn and eye damage.  
H315 Causes skin irritation.  
H317 May cause an allergic skin reaction.  
H318 Causes serious eye damage.  
H319 Causes eye irritation.  
H336 May cause drowsiness or dizziness.  
H361 Suspected of damaging the unborn child.  
H400 Very toxic to aquatic life.  
H411 Toxic to aquatic life with long term effects.

### 16.4 Information about this Safety Data Sheet:

The statements in this Material Safety Data Sheet were made to the best of our knowledge and are as accurate as possible. They are given for information only. They do not constitute a contractual guarantee of a product's properties. They must neither be altered nor transferred to other products.

Prepared by: Rolf Schmidhäusler

Phone: +41 55 460 1212

Changes in this MSDS are marked with a red bar on the right side of the corresponding section.