

**PRODUCT NAME:** ABRO-Scent Organic Air Fresheners 3-Block Green Apple ABRO Russian  
**PRODUCT NUMBER/SIZE:** AS-560-GA-RE

**Revision Date:**  
9/28/2018

## SECTION 1 Identification of the Substance and of the Company/Undertaking

**MANUFACTURER'S NAME:** ABRO INDUSTRIES, INC.  
**ADDRESS:** 3580 Blackthorn Court  
South Bend, IN 46628  
USA  
**PRODUCT DESCRIPTION:** Air Freshener  
**COMPANY PHONE:** 574-232-8289  
**EMERGENCY 24-HR TELEPHONE:** Chemtrec: US/Canada 1-800-424-9300  
International +1-703-527-3887

## SECTION 2 Hazards Identification

### Classification:

Eye Irrit. 2A H319 Causes serious eye irritation.  
Skin Sens. 1 H317 May cause an allergic skin reaction. Additional information:  
Adverse health effects are not reasonably expected from normal use of product.  
There are no other hazards not otherwise classified that have been identified.  
0 % of the mixture consists of component(s) of unknown toxicity.

### Label Pictogram(s):



**Signal Word:** Warning.

**Hazard Phrases:** Causes serious eye irritation. May cause an allergic skin reaction.  
**Precautionary Phrases:** Wash thoroughly after handling.

**Response:** If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. IF ON SKIN: Wash with plenty of water. If skin irritation or rash occurs: Get medical advice/attention. If eye irritation persists: Get medical advice/attention.

**Storage / Disposal:** Dispose of contents/container in accordance with local/regional/national/international regulations.

**Other:** Keep out of reach of children.

**Classification system**

**NFPA ratings (scale 0 - 4)**



Health = 2  
Fire = 1  
Reactivity = 0

**HMSI-ratings (scale 0 - 4)**



Health = 2  
Fire = 1  
Reactivity = 0

**SECTION 3**  
**Composition/Information on Ingredients**

**Chemical Characterization: Mixtures**

**Description:** Mixture of the substances listed below with nonhazardous additions.

Component	CAS Number	Percent by Weight
dimethyl succinate	106-65-0	50-100%
3-ethoxy-4-hydroxybenzaldehyde	121-32-4	2.5-10%
vanillin	121-33-5	2.5-10%
Coumarin	91-64-5	≤ 2.5%
piperonal	120-57-0	≤ 2.5%
Cassia Oil	8007-80-5	≤ 2.5%

**Additional information:**

For the wording of the listed Hazard Statements refer to section 16.  
For the listed ingredient(s), the identity and exact percentage(s) are being withheld as a trade secret.

**SECTION 4**  
**First Aid Measures**

**General Information:**

Information is only applicable to product contents, and not to product as normally supplied. This information is applicable to damaged, leaking, or spilled product as contact with contents is possible under these conditions. Adverse health effects are not reasonably expected from

normal use of product. Immediately remove any clothing soiled by the product.

- After eye contact:** Unlikely route of exposure. If exposed to product contents: Remove contact lenses if worn. Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- After Inhalation:** Supply fresh air; consult doctor in case of complaints.
- After Skin Contact:** Unlikely route of exposure. If exposed to product contents: Immediately wash with water and soap and rinse thoroughly. If skin irritation or rash occurs: Get medical advice/attention.
- After Swallowing:** Unlikely route of exposure. If exposed to product contents: Rinse out mouth and then drink plenty of water. Do not induce vomiting; immediately call for medical help.

#### Information for Doctor

**Most important symptoms and effects, both acute and delayed:** Headache. Irritant to eyes.

**Danger:** Repeated exposure may cause skin dryness or cracking.

May cause sensitisation by skin contact.

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

If necessary oxygen respiration treatment. Treat skin and mucous membrane with antihistamine and corticoid preparations.

## SECTION 5 Fire Fighting Measures

**Suitable Extinguishing Agents:** Use fire fighting measures that suit the environment.

**For safety reasons unsuitable extinguishing agents:** None.

**Special hazards arising from the substance or mixture**

Formation of toxic gases is possible during heating or in case of fire.

**Advice for firefighters**

**Protective equipment:**

Wear self-contained respiratory protective device. Wear fully protective suit.

**Additional information:** Cool endangered receptacles with water spray.

## SECTION 6 Accidental Release Measures

**Personal precautions, protective equipment and emergency procedures:**

Wear protective equipment. Keep unprotected persons away.

For large spills, use respiratory protective device against the effects of fumes/dust/aerosol. Ensure adequate ventilation. Particular danger of slipping on leaked/spilled product.

**Environmental precautions:** Do not allow to enter sewers/ surface or ground water. Inform respective authorities in case of seepage into water course or sewage system.

**Methods and material for containment and cleaning up:**

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Pick up mechanically. Send for recovery or disposal in suitable receptacles. Dispose contaminated material as waste according to item 13.

**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.

**SECTION 7  
 Handling and Storage**

**Handling**

**Precautions for safe handling:** Use only in well ventilated areas.  
**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:**  
 Avoid storage near extreme heat, ignition sources or open flame.  
**Information about storage in one common storage facility:** Store away from oxidizing agents.  
**Further information about storage conditions:**  
 Store in cool, dry conditions in well sealed receptacles.  
 Store receptacle in a well ventilated area.  
**Specific end use(s):** No relevant information available.

**SECTION 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:**

<b>100-52-7 benzaldehyde</b>	
WEEL	Short-term value: 4 ppm Long-term value: 2 ppm DSEN
<b>121-33-5 vanillin</b>	
WEEL	Long-term value: 10 mg/m <sup>3</sup>
<b>140-11-4 benzyl acetate</b>	
TLV	Long-term value: 61 mg/m <sup>3</sup> , 10 ppm
<b>628-63-7 pentyl acetate</b>	
PEL	Long-term value: 525 mg/m <sup>3</sup> , 100 ppm
REL	Long-term value: 525 mg/m <sup>3</sup> , 100 ppm
TLV	Short-term value: 532 mg/m <sup>3</sup> , 100 ppm Long-term value: 266 mg/m <sup>3</sup> , 50 ppm

**Exposure controls**

**Personal protective equipment:**

**General protective and hygienic measures:**

The usual precautionary measures for handling chemicals should be followed.  
 Information is only applicable to product contents, and not to product as normally supplied. This information is applicable to damaged, leaking, or spilled product as contact with contents is possible under these conditions.  
 Keep away from foodstuffs, beverages and feed.  
 Avoid contact with the skin.  
 Use only in well ventilated areas.

**Engineering controls:** No relevant information available.

**Breathing equipment:**

Not required under normal conditions of use.

Use suitable respiratory protective device in case of insufficient ventilation.

For large spills, respiratory protection may be advisable.

**Protection of hands:**

Not required under normal conditions of use.

Wear protective gloves to handle contents of damaged or leaking units.

**Eye protection:**

Not required for normal handling. Wear protective eyewear while handling damaged or leaking product.

Protection may be required for spills.

**Body protection:**

Not required under normal conditions of use.

Protection may be required for spills.

**Limitation and supervision of exposure into the environment** No relevant information available.

**Risk management measures**

See Section 7 for additional information.

## SECTION 9 Physical and Chemical Properties

<b>Appearance:</b>	Liquid on inert carrier material
<b>Odor:</b>	Pleasant
<b>Odor Threshold:</b>	Not Determined
<b>pH-value:</b>	Not Determined
<b>Melting Point/Melting Range:</b>	Not Determined
<b>Boiling Point/Boiling Range:</b>	Not Determined
<b>Flash Point:</b>	>94 °C (>201 °F)
<b>Flammability (solid, gaseous):</b>	Not applicable
<b>Auto-ignition temperature:</b>	Not Determined
<b>Decomposition temperature:</b>	Not determined
<b>Auto igniting:</b>	Product is not self-igniting
<b>Danger of explosion:</b>	Product does not present an explosion hazard
<b>Explosion limits</b>	
<b>Lower:</b>	Not determined
<b>Upper:</b>	Not determined
<b>Oxidizing properties:</b>	Non-oxidizing
<b>Vapor pressure:</b>	Not determined
<b>Density:</b>	Not Determined
<b>Relative density:</b>	Not determined.
<b>Vapor 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>Other information:</b>	No relevant information available.

## SECTION 10 Stability and Reactivity

<b>Reactivity:</b>	No relevant information available.
<b>Chemical stability</b>	

**Thermal decomposition / conditions to be avoided:** No decomposition if used and stored according to specifications.

**Possibility of hazardous reactions:** Toxic fumes may be released if heated above the decomposition point. Reacts with strong acids and oxidizing agents.

**Conditions to avoid:** Store away from oxidizing agents. Excessive heat.

**Incompatible materials:** No relevant information available.

**Hazardous decomposition products:** Carbon monoxide and carbon dioxide. Nitrogen oxides (NOx)

## SECTION 11 Toxicological Information

### Information on toxicological effects

#### Acute toxicity:

LD/LC50 values that are relevant for classification:		
<b>91-64-5 Coumarin</b>		
Oral	LD50	293 mg/kg (rat)
Dermal	LD50	293 mg/kg (rat)
<b>8007-80-5 Cassia Oil</b>		
Oral	LD50	2670 mg/kg (mouse) 2800 mg/kg (rat)
Dermal	LD50	320 mg/kg (rabbit)

#### Primary irritant effect:

**On the eye:** Irritating effect.

**Sensitization:** Sensitization possible through skin contact.

#### Additional toxicological information:

Information is only applicable to product contents, and not to product as normally supplied. This information is applicable to damaged, leaking, or spilled product as contact with contents is possible under these conditions.

Irritant. Danger through skin absorption. Toxic and/or corrosive effects may be delayed up to 48 hours.

#### Carcinogenic categories

**IARC (International Agency for Research on Cancer):** None of the ingredients are listed.

**NTP (National Toxicology Program):** None of the ingredients are listed.

**OSHA-Ca (Occupational Safety & Health Administration):** None of the ingredients are listed.

#### Probable route(s) of exposure:

Ingestion.

Inhalation.

Eye contact.

Skin contact.

**Acute effects (acute toxicity, irritation and corrosivity):** Irritating to eyes.

**Repeated dose toxicity:** Repeated exposure may cause skin dryness or cracking.

#### CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

**Germ cell mutagenicity:** Based on available data, the classification criteria are not met.

**Carcinogenicity:** Based on available data, the classification criteria are not met.

**Reproductive toxicity:** Based on available data, the classification criteria are not met.

**STOT-single exposure:** Based on available data, the classification criteria are not met.

**STOT-repeated exposure:** Based on available data, the classification criteria are not met.

**Aspiration hazard:** Based on available data, the classification criteria are not met.

## SECTION 12 Ecological Information

### Toxicity

**Aquatic toxicity:** No relevant information available.

**Persistence and degradability:** No relevant information available.

**Behavior in environmental systems**

**Bioaccumulative potential:** No relevant information available.

**Mobility in soil:** No relevant information available.

**Additional ecological information**

**General notes:**

At present there are no ecotoxicological assessments.

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

**Other adverse effects:** No relevant information available.

## SECTION 13 Disposal Considerations

### Waste treatment methods

#### Recommendation:

Smaller quantities can be disposed of with household waste.

Can be burned with household garbage after consulting with the waste disposal facility operator and the pertinent authorities and adhering to the necessary technical regulations. The user of this material has the responsibility to dispose of unused material, residues and containers in compliance with all relevant local, state and federal laws and regulations regarding treatment, storage and disposal for hazardous and nonhazardous wastes. Residual materials should be treated as hazardous.

#### Uncleaned packagings

**Recommendation:** Disposal must be made according to official regulations.

**Recommended cleansing agent:** Water, if necessary with cleansing agents.

## SECTION 14 Transport Information

Multi-modal shipping descriptions are provided for informational purposes and do not consider container sizes. The presence of a shipping description for a particular mode of transport (ocean, air, etc.), does not indicate that the product is packaged suitably for that mode of transport. All packaging must be reviewed for suitability prior to shipment, and compliance with the applicable regulations is the sole responsibility of the person offering the product for transport.

**U.S. DOT** UN/ID Number: Not Regulated  
Proper shipping name:  
Hazard class:  
Packing Group:  
Exceptions:  
Environmental Hazards:  
Transport in Bulk:  
Special Precautions:

**IMO/MDG** UN/ID Number: Not Regulated  
Proper shipping name:  
Hazard class:  
Packing Group:  
Exceptions:  
Environmental Hazards:  
Transport in Bulk:  
Special Precautions:

**ICAO/IATA** UN/ID Number: Not Regulated  
Proper shipping name:

Hazard Class:  
Packing Group:  
Exceptions:  
Environmental Hazards:  
Transport in Bulk:  
Special Precautions:

**Canada (TDG)** UN/ID Number: Not Regulated  
Proper shipping name:  
Hazard class:  
Packing Group:  
Exceptions:  
Environmental Hazards:  
Transport in Bulk:  
Special Precautions:

**Europe (ADR/RID)** UN/ID Number: Not Regulated  
Proper shipping name:  
Hazard class:  
Packing Group:  
Exceptions:  
Environmental Hazards:  
Transport in Bulk:  
Special Precautions:

## SECTION 15 Regulatory Information

### Safety, health and environmental regulations/legislation specific for the substance or mixture United States (USA)

#### SARA

**Section 302 (extremely hazardous substances):** None of the ingredients are listed.

**Section 304 (emergency release notification):** None of the ingredients are listed.

**Sections 311/312 (hazardous chemical threshold planning quantity in pounds):** None of the ingredients are listed.

**Section 355 (extremely hazardous substances):** None of the ingredients are listed.

**Section 313 (Specific toxic chemical listings):** None of the ingredients are listed.

**TSCA (Toxic Substances Control Act)** All ingredients are listed.

#### Proposition 65 (California)

**Chemicals known to cause cancer:** None of the ingredients are listed.

**Chemicals known to cause reproductive toxicity for females:** None of the ingredients are listed.

**Chemicals known to cause reproductive toxicity for males:** None of the ingredients are listed.

**Chemicals known to cause developmental toxicity:** None of the ingredients are listed.

#### Carcinogenic categories

**EPA (Environmental Protection Agency):** None of the ingredients are listed.

**IARC (International Agency for Research on Cancer):** 91-64-5 Coumarin

**TLV (Threshold Limit Value established by ACGIH):** None of the ingredients are listed.

**NIOSH-Ca (National Institute for Occupational Safety and Health):** None of the ingredients are listed.

#### Canadian substance listings

**Canadian Domestic Substances List (DSL):** All ingredients are listed.

**Canadian Ingredient Disclosure list (limit 0.1%):** None of the ingredients are listed.

**Canadian Ingredient Disclosure list (limit 1%):** None of the ingredients are listed.

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



## SECTION 16 Other Information

The supplier disclaims all expressed or implied warranties of merchantability or fitness for a specific use, with respect to the product or the information provided herein, except for conformation to contracted specifications. All information appearing herein is based upon data obtained from manufacturers and/or recognized technical sources. While the information is believed to be accurate, we make no representations as to its accuracy or sufficiency. Conditions of use are beyond our control, and therefore users are responsible for verifying the data under their own operating conditions to determine whether the product is suitable for their particular purposes and they assume all risks of their use, handling, and disposal of the product. Users also assume all risks in regards to the publication or use of, or reliance upon, information contained herein.

This information relates only to the product designated herein, and does not relate to its use in combination with any other material or process.

**ABBREVIATIONS:**

NG="NOT GIVEN"

BT="BETWEEN"

<="LESS THAN"

>="GREATER THAN"

ND = Not Determined

NA = Not Applicable