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SAFETY DATA SHEET

Issue Date: Dec 13, 1995 Revision Date: Mar 21, 2013

SDS #: BRI410 Printed: May 16, 2013

17:48:03

Product #: 410 APRITONE

# SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Bedoukian Research, Inc. Emergency Phone Numbers:

21 Finance Drive 1-800-424-9300 Chemtrec (North

America)

Danbury, CT 06810-4133 1-703-527-3887 Chemtrec

(International) UNITED STATES

Phone: 1-203-830-4000 Email: customerservice@bedoukian.com Fax: 1-203-830-4010 Website: http://www.bedoukian.com

Product Code: 410
Product Name: APRITONE

Uses: flavors and fragrances

#### SECTION 2. HAZARDS IDENTIFICATION

HMIS HAZARD CLASSIFICATIONS

HEALTH = 1 FLAMMABILITY = 1 REACTIVITY = 0 PROTECTION = B

LABEL PRECAUTIONARY STATEMENTS
GHS CLASSIFICATION AND LABELLING

The following determinations per the Globally Harmonized System of Classification and Labelling of Chemicals (GHS) have been made:

GHS SIGNAL WORD

Warning

GHS SYMBOLS

GHS07 Exclamation mark

GHS LABELING/HAZARD STATEMENTS

H315 Causes skin irritation

GHS LABELING/PRECAUTIONARY STATEMENTS

P264 Wash hands thoroughly after handling.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P302+P352 IF ON SKIN: Wash with plenty of soap and water.

P332+P313 If skin irritation occurs: Get medical advice/attention.

P362 Take off contaminated clothing and wash before reuse.

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SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

CAS #: 68133-79-9
FEMA #: Approved
MF: C15H240
EC NO: 268-706-3

Minimum Purity: 96.5% (sum of isomers)

Additives: synthetic alpha tocopherol @ 0.10%

SYNONYM(S)

Cyclopentanone, 2-(3,7-dimethyl-2,6-octadienyl)-2-(3,7-Dimethyl-2,6-octadienyl)cyclopentanone 2-(3,7-dimethyl-2,6-octadien-1-yl)-Cyclopentanone 2-(3,7-dimethylocta-2,6-dienyl)cyclopentan-1-one Decenyl Cyclopentanone

Geranyl Cyclopentanone

#### SECTION 4. FIRST-AID MEASURES

INHALATION EXPOSURE: Remove to fresh air. Give oxygen and call a physician.

EYE CONTACT: Flush with water for 15 min. Seek medical help if necessary. SKIN CONTACT: Wash area well with water. Seek medical help if necessary. INGESTION: Administer water and call a physician or poison control center immediately. Do not induce vomiting.

## SECTION 5. FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA
CO2, FOAM, DRY CHEMICAL
SPECIAL FIRE FIGHTING PROCEDURES
Use standard fire fighting procedures.
UNUSUAL FIRE AND EXPLOSION HAZARDS:
None.

## SECTION 6. ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED Standard absorbents can be used.
WASTE DISPOSAL METHOD: Incineration or sanitary landfill in accordance with local, state, and federal regulations.

## SECTION 7. HANDLING AND STORAGE

#### HANDLING

Observe all warnings and precautions listed for the product. Use in accordance with good manufacturing and industrial hygiene practices. Use product in a properly ventilated work area. Do not eat, drink or smoke while handling product. STORAGE

Packaging: Glass, Plastic, Aluminum or Phenolic Lined Steel Store tightly sealed under inert gas in a cool, well-ventilated area. FIRE PROTECTION

Keep away from heat, sparks, and open flame.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION VENTILATION: Local exhaust preferred. General ventilation required. RESPIRATORY: Usually not required. Avoid inhaling concentrated vapors. SKIN: Avoid skin contact. Use chemical resistant gloves. EYES: Splash-proof safety glasses or goggles. OTHER PROTECTIVE EQUIPMENT: Safety shower, eye wash SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES PHYSICAL STATE: Liquid APPEARANCE: colorless liquid ODOR DESCRIPTION: peach-apricot, with jasmine undertones. BOILING POINT: 310.79 C (EPI 4.0) VAPOR PRESSURE: 0.000887 mmHg (20C, EPI 4.0) VAPOR DENSITY (Air = 1): > 1SPECIFIC GRAVITY @ 25C (water = 1): 0.9110:0.9160 SOLUBILITY IN WATER: Insoluble in water; soluble in alcohol. FLASH POINT (CC): 230 F 110 C LOGP : 5.150

## SECTION 10. STABILITY AND REACTIVITY

#### INCOMPATIBILITIES

CONDITIONS TO AVOID: Presents no special reactivity hazard.

MATERIALS TO AVOID: Strong oxidizing agents

HAZARDOUS COMBUSTION PRODUCTS

CO, CO2, water

#### SECTION 11. TOXICOLOGICAL INFORMATION

## ACUTE EFFECTS

Most likely route of entry is through the skin.

Full strength may be irritating to skin and eyes.

## IFRA RECOMMENDATIONS

This product contains material that has an IFRA standard.

Please visit www.ifraorg.org for the full text of the guideline for the material indicated.

This product contains material with an IFRA standard. This material and its amount in the formulation are as follows:

beta-Damascone (a Rose ketone) up to 0.05%.

#### IRRITATION DATA

Dermal sensitization (Guinea Pigs): Apritone is not a sensitizer. Buehler method; material tested at 100% concentration.

Eye Rabbit: no irritant effects. Result for similar mat'l 2-(3,7dimethyl-

2,6-nonadien-1-yl)-Cyclopentanone

Skin Rabbit: irritant effects, primary irritation index = 4.12. TOXICITY DATA

LD50 Dermal (rabbit) > 5000 mg/kg. Result for similar mat'l 2-(3,7dimethyl-2,6-nonadien-1-yl)-Cyclopentanone.

LD50 Oral (rat) > 5 g/kg.

OTHER DATA

All components of this product are FEMA/GRAS or FDA approved for flavors.

All components of this product are listed on the EU union list of

flavourings as allowed for all categories of food.

contains: up to 0.005% FEMA 3264; 0.03% FEMA 3410; 0.05% FEMA 3243; 0.06% FEMA 3937; 0.11% FEMA 3758; 99.9% FEMA 3829.

contains: up to 0.005% z-4-Decenal; 0.03% Methyl jasmonate; 0.05% beta-

Damascone; 0.06% Lactone of cis jasmone; 0.11% Jasmolactone extra C; 99.9%

2-(3,7-Dimethyl-2,6-octadienyl)cyclopentanone THRESHOLD LIMIT VALUE (TLV): Not established OSHA PERMISSABLE EXPOSURE LIMIT (PEL): Not established LISTED AS CARCINOGEN BY NTP, IARC, OR OSHA?: NO

#### SECTION 12. ECOLOGICAL INFORMATION

#### GENERAL

Prevent contamination of soil, ground- and surface water.

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## SECTION 13. DISPOSAL CONSIDERATION

WASTE DISPOSAL METHOD: Incineration or sanitary landfill in accordance with local, state, and federal regulations.

SECTION 14. TRANSPORT INFORMATION

Class Pack Group Sub. Risk UN No.

Road(U.S.-DOT): not regulated.
Air (IATA): not regulated.
Sea (IMDG): not regulated.

# SECTION 15. REGULATORY INFORMATION

REVIEWS, STANDARDS, AND REGULATIONS
This chemical is listed on the following inventories:
TSCA AICS CHINA DSL EINECS(268-706-3) PICCS
LISTED AS CARCINOGEN BY NTP, IARC, OR OSHA?: NO

## SECTION 16. OTHER INFORMATION

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