

Product Apple Blend

Print Date 12/07/2017 Page 1 (10)

# SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name Apple Blend IFF Code SC359667 RM0002092 Cust. Material SDS Number 300000383512 Product Use Description Flavour Compound

Company IFF Inc.

150 Docks Corner Road Dayton NJ 08810-0439

Telephone (732) 329-4600 Telefax (732) 329-5634 Emergency telephone number +1 800 424 9300

# SECTION 2 HAZARDS IDENTIFICATION

# **GHS-Classification**

Flammable liquids, Category 3 Carcinogenicity, Category 2

# **GHS-Labelling**

Symbol(s)



Signal word Warning

: H226: Flammable liquid and vapour. Hazard statements

H351: Suspected of causing cancer.

Version : 2

: 12/07/2017 **Revision Date** 

150 Docks Corner Road Dayton NJ 08810-0439

150 Docks Corner Road Dayton NJ 08810-0439



Product Apple Blend

Print Date 12/07/2017 Page 2 (10)

Precautionary statements : P210: Keep away from heat/sparks/open flames/hot surfaces. No

P240: Ground/bond container and receiving equipment.

P280: Wear protective gloves/ protective clothing/ eye protection/

face protection.

P403 + P235: Store in a well-ventilated place. Keep cool.

### Carcinogenicity:

IARC	ACETALDEHYDE	75-07-0
IARC	ACETALDEHYDE	75-07-0

No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

NTP **ACETALDEHYDE** 75-07-0

# SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Flavoring Compound: A multi component mixture of flavoring ingredients. The specific chemical identities of the ingredients not listed herein are considered by IFF to be Trade Secrets and are withheld in accordance with the provisions of 1910.1200 of Title 29 of the U.S. Code of Federal Regulations.

# SECTION 4. FIRST AID MEASURES

# First aid procedures

Inhalation Remove from exposure site to fresh air and keep at rest. If victim is

> unconscious, remove foreign bodies from the mouth. If victim has stopped breathing, give artificial respiration. Obtain medical advice.

Skin contact Remove contaminated clothes. Wash thoroughly with water (and

soap). Contact physician if symptoms persist.

: 2 Version

**Revision Date** : 12/07/2017

150 Docks Corner Road Dayton NJ 08810-0439 150 Docks Corner Road Dayton NJ 08810-0439



Product Apple Blend

Print Date 12/07/2017 Page 3 (10)

Eye contact : Flush immediately with water for at least 15 minutes. Contact

physician if symptoms persist.

Ingestion Rinse mouth with water and obtain medical advice.

# SECTION 5. FIREFIGHTING MEASURES

# Flammable properties

Flash point 115 °F (46 °C)

Fire fighting

Suitable extinguishing media : Use water spray, dry chemical, carbon dioxide or appropriate foam.

# Protective equipment and precautions for firefighters

Special protective equipment for

firefighters

Wear NIOSH approved self-contained breathing apparatus and full protective clothing when fighting fires involving chemicals. Use

water spray to cool containers exposed to fire.

# SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions Avoid inhalation and contact with skin and eyes. A self-contained

breathing apparatus is recommended in case of a major spill.

Environmental precautions Keep away from drains, surface- and groundwater and soil.

Methods for containment /

Methods for cleaning up

Clean up spillage promptly. Remove ignition sources. Provide

adequate ventilation. Avoid excessive inhalation of vapours. Gross

Version : 2

**Revision Date** : 12/07/2017

150 Docks Corner Road Dayton NJ 08810-0439

150 Docks Corner Road Dayton NJ 08810-0439



Product Apple Blend

Print Date 12/07/2017 Page 4 (10)

> spillages should be contained by use of sand or inert powder and disposed of according to the local regulations.

# SECTION 7. HANDLING AND STORAGE

Handling

Avoid excessive inhalation of concentrated vapors. Follow good manufacturing practices for housekeeping and personal hygiene. Wash any exposed skin immediately after any chemical contact, before breaks and meals, and at the end of each work period. Contaminated clothing and shoes should be thoroughly cleaned before re-use.

If appropriate, procedures used during the handling of this material should also be used when cleaning equipment or removing residual chemicals from tanks or other containers, especially when steam or hot water is used, as this may increase vapor concentrations in the workplace air. Where chemicals are openly handled, access should be restricted to properly trained employees.

Keep all heated processes at the lowest necessary temperature in order to minimize emissions of volatile chemicals into the air.

Advice on protection against fire and explosion

Keep away from ignition sources and naked flame.

Requirements for storage areas and containers

Store in a cool, dry, ventilated area away from heat sources. Keep containers upright and tightly closed when not in use.

# SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

# Components with workplace control parameters

Components	Listed by	Value type	Exposure limit(s)
1,2-Propanediol	USA. Workplace Environmental Exposure Levels (WEEL)	8-hr TWA	10 mg/m3

Version

**Revision Date** : 12/07/2017

150 Docks Corner Road Dayton NJ 08810-0439

150 Docks Corner Road Dayton NJ 08810-0439



Product Apple Blend

Print Date 12/07/2017 Page 5 (10)

Acetaldehyde	USA. ACGIH Threshold Limit Values (TLV)	Ceiling limit	25 ppm
Acetaldehyde	USA. Occupational Exposure Limits (OSHA) - Table Z-1 Limits for Air Contaminants	8-hour time weighted average	200 ppm 360 mg/m3
Acetaldehyde	USA. OSHA - TABLE Z-1 Limits for Air Contaminants - 1910.1000	Short-term exposure limit	150 ppm 270 mg/m3
Acetaldehyde	USA. OSHA - TABLE Z-1 Limits for Air Contaminants - 1910.1000	8-hour time weighted average	100 ppm 180 mg/m3
Acetaldehyde	California permissible exposure limits for chemical contaminants (Title 8, Article 107)	Ceiling	25 ppm 45 mg/m3

# **Engineering measures**

Engineering measures : Where feasible, isolate mixing rooms and other areas where this

material is used or openly handled. Maintain these areas under

negative air pressure relative to the rest of the plant.

Where feasible, use closed systems to transfer and process this

material

# Personal protective equipment

Eye protection : Use tight-fitting goggles, face shield or safety glasses with side

shields if eye contact might occur.

Hand protection : Avoid skin contact. Use chemically resistant gloves.

Respiratory protection : Use local exhaust ventilation around open tanks and other open

sources of potential exposures in order to avoid excessive inhalation, including places where this material is openly weighed or measured. In addition, use general dilution ventilation of the work area to

eliminate or reduce possible worker exposures.

No respiratory protection is required during normal operations in a workplace where engineering controls such as adequate ventilation,

etc. are sufficient.

Version : 2

Revision Date : 12/07/2017

150 Docks Corner Road Dayton NJ 08810-0439

150 Docks Corner Road Dayton NJ 08810-0439



Product Apple Blend

Print Date 12/07/2017 Page 6 (10)

If engineering controls and safe work practices are not sufficient, an approved, properly fitted respirator with organic vapor cartridges or canisters and particulate filters should be used:

a) while engineering controls and appropriate safe work practices and/or procedures are being implemented; or

b)during short term maintenance procedures when engineering controls are not in normal operation or are not sufficient; or c)if normal operational workplace vapor concentration in the air is increased due to heat;

d)during emergencies; or

e)if engineering controls and operational practices are not sufficient to reduce airborne concentrations below an established occupational exposure limit.

Hygiene measures

: To the extent deemed appropriate, implement pre-placement and regularly scheduled ascertainment of symptoms and spirometry testing of lung function for workers who are regularly exposed to this material.

To the extent deemed appropriate, use an experienced air sampling expert to identify and measure volatile chemicals that could be present in the workplace air to determine potential exposures and to ensure the continuing effectiveness of engineering controls and operational practices to minimize exposure.

Protective measures

: In December 2003, the National Institute for Occupational Safety and Health ("NIOSH") published an Alert on preventing lung disease in workers who use or make flavorings [NIOSH Publication Number 2004-110].

In August 2004, the United States Flavor and Extract Manufacturers Association (FEMA) issued a report entitled "Respiratory Safety in the Flavor Manufacturing Workplace".

Both of these reports provide recommendations for reducing employee exposure and for medical surveillance in the workplace. The recommendations in these reports are generally applicable to the use of any chemical in the workplace and you are strongly urged to

Version : 2

Revision Date : 12/07/2017

IFF Inc. 150 Docks Corner Road Dayton NJ 08810-0439

150 Docks Corner Road Dayton NJ 08810-0439



Product Apple Blend

Print Date 12/07/2017 Page 7 (10)

review both of these reports.

The report published by FEMA also contains a list of "high priority" chemicals. If any of these chemicals are present in this product at a concentration >= 1.0% due to an intentional addition by IFF, the chemical(s) will be identified in this safety data sheet.

# SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

**Appearance** 

Physical state : liquid

Appearance : CLEAR LIQUID Colour colorless to pale yellow

Odour : conforms to standard

Safety data

Flash point : 115 °F (46 °C)

pН : 3.80 - 4.80 #

Vapour pressure : 9.99 hPa (9.99 hPa)

Note: Calculated

Relative density (20 °C) : 1.0110 - 1.0610

# SECTION 10. STABILITY AND REACTIVITY

Conditions to avoid : Remarks: Direct sources of heat.

Chemical stability : Remarks: Presents no significant reactivity hazard, by itself or in

Version : 2

: 12/07/2017 Revision Date

150 Docks Corner Road Dayton NJ 08810-0439 150 Docks Corner Road Dayton NJ 08810-0439



Product Apple Blend

Print Date 12/07/2017 Page 8 (10)

contact with water. Avoid contact with strong acids, alkali or

oxidizing agents.

Hazardous decomposition products : Note: Carbon monoxide and unidentified organic compounds may

be formed during combustion.

# SECTION 11. TOXICOLOGICAL INFORMATION

# **Toxicological information**

Further information There is no data available for this product. The health hazards are

assessed based on the ingredients in this preparation and their

concentrations.

# SECTION 12. ECOLOGICAL INFORMATION

### **Ecological information**

Additional ecological information : Avoid contamination of soil, ground and surface water.

# SECTION 13. DISPOSAL CONSIDERATIONS

Contaminated packaging Place material into sealed containers and dispose of in accordance

with local, state and federal regulations.

### SECTION 14. TRANSPORT INFORMATION

DOT Proper shipping name : Combustible liquid, n.o.s.

(ACETALDEHYDE)

Version : 2

Revision Date : 12/07/2017

150 Docks Corner Road Dayton NJ 08810-0439 150 Docks Corner Road Dayton NJ 08810-0439



Product Apple Blend

Print Date 12/07/2017 Page 9 (10)

Labels : NONE
UN number : 1993
Class : CBL
Packing group : III
Emergency Response : 128

Guidebook Number

**DOT NON-BULK** Not dangerous goods

IATA UN number : 1197

Description of the goods : EXTRACTS, FLAVOURING, LIQUID

Class : 3
Packing group : III
ICAO-Labels : 3

IMDG UN number : 1197

Description of the goods : EXTRACTS, FLAVOURING, LIQUID

Class : 3
Packing group : III
IMDG-Labels : 3
EmSNumber 1 : F-E
EmSNumber 2 : S-D
Marine pollutant : no

# SECTION 15. REGULATORY INFORMATION

SARA 313 Components : ACETALDEHYDE 75-07-0

SARA 311/312 Hazards : Fire Hazard

Acute Health Hazard Chronic Health Hazard

Fire Hazard

Chronic Health Hazard

Reportable Quantity :

**HMIS Classification** : Health hazard: 0

Version : 2

Revision Date : 12/07/2017

150 Docks Corner Road Dayton NJ 08810-0439

150 Docks Corner Road Dayton NJ 08810-0439



Product Apple Blend

Print Date 12/07/2017 Page 10 (10)

Chronic Health Hazard: \*

Flammability: 2

Physical and chemical hazards: 0

# **SECTION 16. OTHER INFORMATION**

### **Further information**

The information in this MSDS was obtained from current and reliable sources. However the data is provided without any warrant, expressed or implied, regarding its correctness or accuracy. Since the use, handling, storage and disposal of this product are beyond IFF control, it is the responsibility of the user both to determine safe conditions for the use of this product and to assume liability of loss, damage, or expense arising out of the product's improper use. No warranty expressed or implied regarding the product described herein shall be created by or inferred from any statement or omission in this MSDS. Various Federal, State or Provincial agencies may have specific regulations concerning the transportation, handling, storage, use, or disposal of this product which may not be reflected in this MSDS. The user should review these regulations to ensure full compliance.

Version : 2

Revision Date : 12/07/2017

IFF Inc. 150 Docks Corner Road Dayton NJ 08810-0439

150 Docks Corner Road Dayton NJ 08810-0439