

SAFETY DATA SHEET**504905 TIARE ABSOLUTE**

Revision Date: 09-02-2015

Page 1 of 13

Version # 01

Print Date: 11-18-2015

1. IDENTIFICATION

Product Description:	TIARE ABSOLUTE
CAS #	683748-01-8
Other means of identification	
Vigon Item #	504905
Recommended use	Concentrated aromatic ingredient which may be used fragrance compounds according to legal and IFRA guidelines.
Recommended restrictions	For Manufacturing Use Only
Company	24 Hour Emergency Response Information
Vigon International, Inc.	INFOTRAC (ACCT# 78928);
127 Airport Road	1-800-535-5053 WITHIN THE U.S.A.
E. Stroudsburg, PA 18301	1-352-323-3500 OUTSIDE THE U.S.A.
For information call: 570-476-6300	
Web Site: www.vigon.com	

2. HAZARD(S) IDENTIFICATION

Physical hazards	Flammable liquids	Category 4
Health hazards	Acute toxicity, inhalation	Category 4
	Skin corrosion/irritation	Category 2
	Serious eye damage/eye irritation	Category 2A
	Sensitization, skin	Category 1B
Environmental hazards	Hazardous to the aquatic environment, long-term hazard	Category 3

Label elements

Signal word	Warning
Hazard statement	
H227	Combustible liquid.
H315	Causes skin irritation.
H315 + H320	Causes skin and eye irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H412	Harmful to aquatic life with long lasting effects.
Precautionary statement	
Prevention	
P210	Keep away from heat/sparks/open flames/hot surfaces. No smoking.
P261	Avoid breathing mist or vapor.

SAFETY DATA SHEET

504905 TIARE ABSOLUTE

Revision Date: 09-02-2015

Page 2 of 13

Version # 01

Print Date: 11-18-2015

P264	Wash thoroughly after handling.
P271	Use only outdoors or in a well-ventilated area.
P272	Contaminated work clothing should not be allowed out of the workplace.
P273	Avoid release to the environment.
P280	Wear protective gloves/eye protection/face protection.

Response

P302 + P352	IF ON SKIN: Wash with plenty of water.
P304 + P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P312	Call a POISON CENTER/doctor if you feel unwell.
P333 + P313	If skin irritation or rash occurs: Get medical advice/attention.
P337 + P313	If eye irritation persists: Get medical advice/attention.
P362 + P364	Take off contaminated clothing and wash it before reuse.
P370 + P378	In case of fire: Use appropriate media to extinguish.

Storage

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

Disposal

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

Hazard(s) not otherwise classified (HNOC) None known.

Supplemental information None.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substances

Chemical name	Common name and synonyms	CAS number	%
TIARE ABSOLUTE		683748-01-8	100

Additional components

Chemical name	CAS number	%
LINALOOL	78-70-6	7.5 - 10
ETHYL ALCOHOL	64-17-5	2.5 - 5
BENZYL SALICYLATE	118-58-1	1 - 2.5
BENZYL BENZOATE	120-51-4	1 - 2.5
BENZENEACETONITRILE	140-29-4	0.1 - 0.5
PHENYLACETALDEHYDE	122-78-1	0.1 - 0.5
ISOEUGENOL	97-54-1	0 - 0.1

4. FIRST-AID MEASURES

Inhalation If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing. For breathing difficulties, oxygen may be necessary. Call a physician if symptoms develop or persist.



SAFETY DATA SHEET

504905 TIARE ABSOLUTE

Revision Date: 09-02-2015

Page 3 of 13

Version # 01

Print Date: 11-18-2015

Skin contact	Take off immediately all contaminated clothing. Get medical attention if irritation develops and persists. Wash skin thoroughly with soap and water for several minutes.
Eye contact	Remove contact lenses, if present and easy to do. Get medical attention if irritation develops and persists. Promptly wash eyes with plenty of water while lifting the eye lids.
Ingestion	Call a physician or poison control center immediately. If swallowed, rinse mouth with water (only if the person is conscious). Do not induce vomiting. If vomiting occurs, the head should be kept low so that stomach vomit doesn't enter the lungs.
Most important symptoms/effects, acute and delayed	Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Skin irritation. May cause redness and pain. May cause an allergic skin reaction. Dermatitis. Rash.
Indication of immediate medical attention and special treatment needed	Not available.
General information	Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media	Water spray, fog, CO2, dry chemical, or alcohol resistant foam.
Unsuitable extinguishing media	Do not use a solid water stream as it may scatter and spread fire.
Specific hazards arising from the chemical	Fire may produce irritating, corrosive and/or toxic gases.
Special protective equipment and precautions for firefighters	Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA. Structural firefighters protective clothing will only provide limited protection. Wear self-contained breathing apparatus with a full facepiece operated in the positive pressure demand mode when fighting fires.
Fire fighting equipment/instructions	In case of fire and/or explosion do not breathe fumes. Use standard firefighting procedures and consider the hazards of other involved materials. Move containers from fire area if you can do so without risk. Water runoff can cause environmental damage. Ventilate closed spaces before entering them. Keep run-off water out of sewers and water sources. Dike for water control.
Specific methods	Use water spray to cool unopened containers.
General fire hazards	Static charges generated by emptying package in or near flammable vapor may cause flash fire.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures	Keep unnecessary personnel away. Eliminate all sources of ignition. Avoid contact with skin or inhalation of spillage, dust or vapor. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering them.
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SAFETY DATA SHEET

504905 TIARE ABSOLUTE

Revision Date: 09-02-2015

Page 4 of 13

Version # 01

Print Date: 11-18-2015

Methods and materials for containment and cleaning up

Eliminate all ignition sources (no smoking, flares, sparks or flames in immediate area). Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Absorb with inert absorbent such as dry clay, sand or diatomaceous earth, commercial sorbents, or recover using pumps.

The product is immiscible with water and will spread on the water surface.

Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Cover with plastic sheet to prevent spreading. Prevent product from entering drains. Do not allow material to contaminate ground water system. Absorb in vermiculite, dry sand or earth and place into containers.

Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

Never return spills in original containers for re-use. This material and its container must be disposed of as hazardous waste. Collect and dispose of spillage as indicated in section 13 of the SDS.

Environmental precautions

Prevent further leakage or spillage if safe to do so. Do not contaminate water. Avoid release to the environment. Retain and dispose of contaminated wash water. Contact local authorities in case of spillage to drain/aquatic environment.

7. HANDLING AND STORAGE

Precautions for safe handling

Do not handle or store near an open flame, heat or other sources of ignition. All equipment used when handling the product must be grounded. Avoid contact with eyes, skin, and clothing. Avoid prolonged exposure. Wash thoroughly after handling. Take precautionary measures against static discharges. Avoid breathing vapor.

Conditions for safe storage, including any incompatibilities

Keep container closed. Handle containers with care. Open slowly in order to control possible pressure release. Store in a cool, well-ventilated area.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational exposure limits

U.S. - OSHA

Additional components

Type

Value

BENZENEACETONITRILE
(CAS 140-29-4)

Ceiling

5 mg/m³

Comments: USA. ACGIH Threshold Limit Valuea (TLV)
TWA

5 mg/m³

Comments: USA. Occupational Exposure Limits (OSHA) - Table Z-1 Limits for Air Contaminants

US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

Additional components

Type

Value

ETHYL ALCOHOL
(CAS 64-17-5)

PEL

1900 mg/m³

1000 ppm



SAFETY DATA SHEET

504905 TIARE ABSOLUTE

Revision Date: 09-02-2015

Page 5 of 13

Version # 01

Print Date: 11-18-2015

US. ACGIH Threshold Limit Values

Additional components	Type	Value
ETHYL ALCOHOL (CAS 64-17-5)	STEL	1000 ppm

US. NIOSH: Pocket Guide to Chemical Hazards

Additional components	Type	Value
ETHYL ALCOHOL (CAS 64-17-5)	REL	1900 mg/m3
	TWA	1000 ppm 1900 mg/m3 1000 ppm

Biological limit values No biological exposure limits noted for the ingredient(s).

Appropriate engineering controls Use explosion-proof ventilation equipment to stay below exposure limits.

Individual protection measures, such as personal protective equipment

Eye/face protection Avoid contact with eyes.

Skin protection

Hand protection Chemical resistant gloves.

Other Use of an impervious apron is recommended.

Respiratory protection Chemical respirator with organic vapor cartridge and full facepiece.

Thermal hazards Wear appropriate thermal protective clothing, when necessary.

General hygiene considerations When using do not smoke. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. Contaminated work clothing should not be allowed out of the workplace.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Refer to Spec Sheet
Physical state	Liquid.
Form	Liquid.
Color	Refer to Spec Sheet
Odor	Characteristic.
Odor threshold	Not available.
pH	Not available.
Melting point/freezing point	Not available.
Initial boiling point and boiling range	Not available.
Flash point	167.0 °F (75.0 °C) Closed Cup
Evaporation rate	Not available.
Flammability (solid, gas)	Not applicable.

SAFETY DATA SHEET

504905 TIARE ABSOLUTE

Revision Date: 09-02-2015

Page 6 of 13

Version # 01

Print Date: 11-18-2015

Upper/lower flammability or explosive limits

Flammability limit - lower (%) Not available.

Flammability limit - upper (%) Not available.

Explosive limit - lower (%) Not available.

Explosive limit - upper (%) Not available.

Vapor pressure 1 at 20 °C in mm Hg

Vapor density Not available.

Relative density 1 at d 20/20

Solubility(ies)

Solubility (water) Insoluble

Partition coefficient (n-octanol/water) Not available.

Auto-ignition temperature Not available.

Decomposition temperature Not available.

Viscosity Not available.

Other information

Molecular formula Not applicable

Specific gravity 1 at 25 °C

VOC (Weight %) < 100 %

10. STABILITY AND REACTIVITY

Reactivity The product is stable and non-reactive under normal conditions of use, storage and transport.

Chemical stability Material is stable under normal conditions.

Possibility of hazardous reactions No dangerous reaction known under conditions of normal use.

Conditions to avoid Avoid heat, sparks, open flames and other ignition sources. Avoid temperatures exceeding the flash point. Contact with incompatible materials.

Incompatible materials Strong oxidizing agents.

Hazardous decomposition products No hazardous decomposition products if stored and handled as indicated.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Inhalation Harmful if inhaled.

Skin contact Causes skin irritation. May cause an allergic skin reaction.

Eye contact Causes serious eye irritation.

Ingestion Expected to be a low ingestion hazard.

Symptoms related to the physical, chemical and toxicological characteristics Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Skin irritation. May cause redness and pain. May cause an allergic skin reaction. Dermatitis. Rash.

SAFETY DATA SHEET

504905 TIARE ABSOLUTE

Revision Date: 09-02-2015

Page 7 of 13

Version # 01

Print Date: 11-18-2015

Information on toxicological effects

Acute toxicity Harmful if inhaled. May cause an allergic skin reaction.

Toxicological data

Additional components	Species	Test Results
ISOEUGENOL (CAS 97-54-1)		
Acute		
<i>Oral</i>		
LD50	Rat	1560 mg/kg
BENZENEACETONITRILE (CAS 140-29-4)		
Acute		
<i>Dermal</i>		
LD50	Rabbit	270 mg/kg
<i>Inhalation</i>		
LC50	Rat	0.215 mg/l, 4 Hours
<i>Oral</i>		
LD50	Rat	270 mg/kg
PHENYLACETALDEHYDE (CAS 122-78-1)		
Acute		
<i>Dermal</i>		
LD50	Rabbit	> 5000 mg/kg
<i>Oral</i>		
LD50	Rat	1550 mg/kg
LINALOOL (CAS 78-70-6)		
Acute		
<i>Dermal</i>		
LD50	Rabbit	2000 mg/kg
<i>Oral</i>		
LD50	Rat	2790 mg/kg
BENZYL BENZOATE (CAS 120-51-4)		
Acute		
<i>Dermal</i>		
LD50	Rabbit	4000 mg/kg
<i>Oral</i>		
LD50	Rat	1700 mg/kg
BENZYL SALICYLATE (CAS 118-58-1)		
Acute		
<i>Dermal</i>		
LD50	Rabbit	14150 mg/kg

SAFETY DATA SHEET

504905 TIARE ABSOLUTE

Revision Date: 09-02-2015

Page 8 of 13

Version # 01

Print Date: 11-18-2015

Additional components	Species	Test Results
<i>Oral</i>		
LD50	Rat	2227 mg/kg
ETHYL ALCOHOL (CAS 64-17-5)		
Acute		
<i>Dermal</i>		
LD50	Rabbit	> 15800 mg/kg
<i>Inhalation</i>		
LC50	Rat	124.7 mg/l
<i>Oral</i>		
LD50	Rat	6.2 g/kg

* Estimates for product may be based on additional component data not shown.

Skin corrosion/irritation	Causes skin irritation.
Serious eye damage/eye irritation	Causes serious eye irritation.
Respiratory or skin sensitization	
Respiratory sensitization	Not a respiratory sensitizer.
Skin sensitization	May cause an allergic skin reaction.
Germ cell mutagenicity	No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.
Carcinogenicity	
OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)	
Not listed.	
Reproductive toxicity	This product is not expected to cause reproductive or developmental effects.
Specific target organ toxicity - single exposure	Not classified.
Specific target organ toxicity - repeated exposure	Not classified.
Aspiration hazard	Not an aspiration hazard.
Further information	This product has not been subjected to full toxicological testing.

12. ECOLOGICAL INFORMATION

Ecotoxicity	Harmful to aquatic life with long lasting effects. This product has not been subjected to full ecotoxicological testing.
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Additional components	Species	Test Results
LINALOOL (CAS 78-70-6)		
Other	EC10	Activated sludge of a predominantly domestic sewage
		> 100 mg/l, 3 hours

SAFETY DATA SHEET

504905 TIARE ABSOLUTE

Revision Date: 09-02-2015

Page 9 of 13

Version # 01

Print Date: 11-18-2015

Additional components		Species	Test Results
Aquatic			
Algae	EC50	Green algae (<i>Chlamydomonas variabilis</i>)	88.3 mg/l, 96 hours DIN 38412 Part 9 static. The details of the toxic effect related to the nominal concentration.
Crustacea	EC50	Daphnia magna	20 mg/l, 48 hours DIN 38412 Part 11 static. The details of the toxic effect related to the nominal concentration.
Fish	LC50	Ide, silver or golden orfe (<i>Leuciscus idus</i>)	22 - 46 mg/l, 96 hours DIN 38412 Part 15 static. The details of the toxic effect related to the nominal concentration.
	LC50-R	Fish	27.8 mg/l, 96 hours
BENZYL SALICYLATE (CAS 118-58-1)			
Aquatic			
<i>Acute</i>			
Fish	LC50	Danio rerio	1.03 mg/l, 96 hours

* Estimates for product may be based on additional component data not shown.

Persistence and degradability No data is available on the degradability of this product.

Bioaccumulative potential No data available.

Partition coefficient n-octanol / water (log Kow)

LINALOOL	2.97, (OECD Guideline 107)
BENZYL BENZOATE	3.97
ETHYL ALCOHOL	-0.31

Mobility in soil No data available.

Other adverse effects No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

13. DISPOSAL CONSIDERATIONS

Disposal instructions	Do not discharge into drains, water courses or onto the ground. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of contents/container in accordance with local/regional/national/international regulations.
Local disposal regulations	Dispose in accordance with all applicable regulations.
Hazardous waste code	Not established.
Waste from residues / unused products	Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).
Contaminated packaging	Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied.

SAFETY DATA SHEET

504905 TIARE ABSOLUTE

Revision Date: 09-02-2015

Page 10 of 13

Version # 01

Print Date: 11-18-2015

14. TRANSPORT INFORMATION**ADN**

Not regulated as dangerous goods.

ADR

Not regulated as dangerous goods.

RID

Not regulated as dangerous goods.

DOT**BULK**

UN number	NA1993
Proper shipping name	COMBUSTIBLE LIQUID, N.O.S. (TIARE ABSOLUTE)
Hazard class	Combustible liq
Packing group	III
Environmental hazards	
Marine pollutant	No
Packaging exceptions	150
Packaging bulk	241
Labels required	None

DOT**NON-BULK**

Not regulated as dangerous goods.

IATA

Not regulated as dangerous goods.

IMDG

Not regulated as dangerous goods.

DOT BULK**15. REGULATORY INFORMATION**

US federal regulations This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

CERCLA Hazardous Substance List (40 CFR 302.4)

Not listed.

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not listed.



SAFETY DATA SHEET

504905 TIARE ABSOLUTE

Revision Date: 09-02-2015

Page 11 of 13

Version # 01

Print Date: 11-18-2015

SARA 304 Emergency release notification

Not regulated.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not listed.

US EPCRA (SARA Title III) Section 302 - Extremely Hazardous Spill: Reportable quantity

BENZENEACETONITRILE (CAS 140-29-4) 500 LBS

US EPCRA (SARA Title III) Section 302 - Extremely Hazardous Substance: Threshold Planning Quantity

BENZENEACETONITRILE (CAS 140-29-4) 500 LBS

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Not regulated.

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories
Immediate Hazard - Yes
Delayed Hazard - No
Fire Hazard - Yes
Pressure Hazard - No
Reactivity Hazard - No

SARA 302 Extremely hazardous substance

Chemical name	CAS number	Reportable quantity	Threshold planning quantity	Threshold planning quantity, lower value	Threshold planning quantity, upper value
BENZENEACETONITRILE	140-29-4	500	500 lbs		

SARA 311/312 Hazardous chemical Yes

SARA 313 (TRI reporting)
Not regulated.

Other federal regulations

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

Not regulated.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

Not regulated.

Safe Drinking Water Act (SDWA) Not regulated.

Drug Enforcement Administration (DEA). List 1 & 2 Exempt Chemical Mixtures (21 CFR 1310.12(c))

BENZENEACETONITRILE (CAS 140-29-4) 20 %WV

DEA Exempt Chemical Mixtures Code Number

BENZENEACETONITRILE (CAS 140-29-4) 8570

US state regulations

US - Massachusetts RTK - Substance List: Extraordinarily hazardous

BENZENEACETONITRILE (CAS 140-29-4) Extraordinarily hazardous.

US - Massachusetts RTK - Substance List: Teratogen category

ETHYL ALCOHOL (CAS 64-17-5) Teratogen: sufficient evidence.



SAFETY DATA SHEET

504905 TIARE ABSOLUTE

Revision Date: 09-02-2015

Page 12 of 13

Version # 01

Print Date: 11-18-2015

US - Minnesota Haz Subs: Hazardous substance

ETHYL ALCOHOL (CAS 64-17-5) Hazardous substance.

US. Massachusetts RTK - Substance List

BENZENEACETONITRILE (CAS 140-29-4)

ETHYL ALCOHOL (CAS 64-17-5)

US. New Jersey Worker and Community Right-to-Know Act

BENZENEACETONITRILE (CAS 140-29-4)

ETHYL ALCOHOL (CAS 64-17-5)

US. Pennsylvania Worker and Community Right-to-Know Law

BENZENEACETONITRILE (CAS 140-29-4)

ETHYL ALCOHOL (CAS 64-17-5)

US. Rhode Island RTK

BENZENEACETONITRILE (CAS 140-29-4)

US. California Proposition 65

US - California Proposition 65 - Carcinogens & Reproductive Toxicity (CRT): Listed substance

Not listed.

International Inventories

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	No
Canada	Domestic Substances List (DSL)	No
Canada	Non-Domestic Substances List (NDSL)	Yes
China	Inventory of Existing Chemical Substances in China (IECSC)	No
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	Yes
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	No
Korea	Existing Chemicals List (ECL)	No
New Zealand	New Zealand Inventory	No
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	Yes
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

16. OTHER INFORMATION, INCLUDING DATE OF PREPARATION OR LAST REVISION

Issue date	11-18-2015
Revision date	09-02-2015
Version #	01
HMIS® ratings	Health: 2 Flammability: 2 Physical hazard: 0