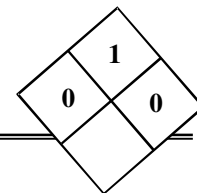


MATERIAL SAFETY DATA SHEET for FLORAESTERS® 20, 30, and 60



1. Product and Company Identification

SUPPLIER PRODUCT NAME: FLORAESTERS 20, FLORAESTERS 30, and FLORAESTERS 60 See pg. 2 for definitions
INCI NAME: Jojoba Esters
MANUFACTURER: Floratech® Americas Phone: 480-545-7000
291 East El Prado Court, Chandler, Arizona 85225 Fax: 480-892-3000
Floratech Asia: 6 Fl., No. 360, Ruei Guang Road Phone: 886 2 8751 6060
Neihu, Taipei, Taiwan, ROC Fax: 886 2 8751 6363
Floratech EU: Via Tanaro 15, 20017 Rho Phone: 39 02 93 04946
Milan, Italy Fax: 39 02 93 50 8238

2. Composition/Information on Ingredients

Jojoba esters	CAS number:	61789-91-1
	EINECS number:	307-350-6
	JCIC number:	523184
Tocopherol	CAS number:	1406-18-4
	EINECS number:	215-798-8
	JCIC number:	104457

3. Hazards Identification

HUMAN: Eye contact may cause irritation. Unlikely to cause skin irritation unless exposure is excessive and/or prolonged. Unlikely to cause harm, apart from a laxative effect, if swallowed. Information based on the properties of the material present.

ENVIRONMENTAL: This material is readily biodegradable and unlikely to accumulate in the aquatic environment. Discharge of large quantities into the aquatic environment may kill fish and other aquatic organisms by oxygen depletion caused by rapid biodegradation.

4. First Aid Measures

INHALATION: Remove from area of exposure; seek medical attention if symptoms persist.

EYE CONTACT: Irrigate with heavy stream of water for at least 15 minutes.

INGESTION: Call physician for advice.

SKIN CONTACT: Wash exposed area with soap and water.

5. Fire-Fighting Measures

EXTINGUISHING MEDIA: Water spray, dry chemical, foam, CO₂, and other standard extinguishing media for oil.

SPECIAL FIRE FIGHTING PROCEDURES: Combustible material. Use air supplied equipment for fighting interior fires. Cool fire exposed containers with water.

6. Accidental Release Measures

PERSONAL PRECAUTIONS: NOT relevant.
ENVIRONMENTAL PRECAUTIONS: Contain and collect spillage.

METHODS FOR CLEANING UP: Remove sources of ignition. Contain spill to smallest possible area; clean up with absorbent materials, paper towels, sand, dirt, etc. Freshly cleaned area may be slippery; take precautions.

7. Handling and Storage

PREVENTION OF USER EXPOSURE: Wear safety glasses.

SUITABLE STORAGE CONDITIONS: Store in closed containers below 35°C in well ventilated areas.

INCOMPATIBLE PRODUCTS: Keep away from oxidizing agents, excessive heat, and sources of ignition.

CONDITIONS TO AVOID: Do not store or use near heat, sparks, or flame and store out of sun. Never use pressure to empty. Do not puncture, drag, or slide container.

INCOMPATIBLE MATERIALS: Avoid contact with strong oxidizers.

VENTILATION: Handle in a well ventilated area.

8. Exposure Control/Personal Protection

RESPIRATORY PROTECTION: Not normally required.

EYE PROTECTION: Safety goggles. Avoid eye and prolonged skin contact.

Product Name: FLORAESTERS 20, 30, and 60

9. Physical And Chemical Properties

PHYSICAL STATE:	Semi-solid	VAPOR DENSITY:	N/A
FORM:	Firm paste	FLASH POINT (Cleveland open cup):	290°C
COLOR:	White	VAPOR PRESSURE:	N/A
ODOR:	None	SOLUBILITY IN H ₂ O:	Insoluble
MELTING POINT:	45 - 60°C	VOLATILES (%):	<0.1
SPECIFIC GRAVITY @ 25°C:	0.86	BOILING POINT, 760 mm Hg:	>225°C

10. Stability and Reactivity

STABILITY: Stable

MATERIALS TO AVOID: Strong oxidizers

CONDITIONS TO AVOID: Excessive heat, sources of ignition.

HAZARDOUS DECOMPOSITION PRODUCTS:

Combustion produces carbon monoxide, carbon dioxide, and thick smoke. In general, products of combustion (such as organic materials) may be irritating and toxic.

11. Toxicological Information

Ingestion of a single dose is unlikely to cause harm. Eye contact may cause irritation. Prolonged contact may cause skin irritation.

12. Ecological Information

No ecological hazards are associated with this product.

13. Disposal Considerations

US: Discarded product is not a hazardous waste under RCRA, 40 CFR 261.

EC: Dispose of material in accordance with appropriate regulations.

14. Transport Information

NMFC classification #144920 (Fatty acid esters of vegetable, fish or animal oils, NOI, solidified/hydrogenated in bags boxes or drums).

EC: Not classified according to ADR/RID (Land – Road), ADN (inland waterways), IMDG (sea), or IATA (air).

15. Regulatory Information

US: This material is intended to be used as a cosmetic ingredient and is exempt from Toxic Substances Control Act (TSCA) regulation (40 CFR 710) when used as such. Do not use for other purposes. All ingredients not confirmed on the TSCA Chemical Substance Inventory.

EC: This product is not classified as "Dangerous" according to the health and physical properties criteria of the EU Directives on the classification of substances and preparations.

16. Other Information

This product does not contain any chemicals subject to the reporting requirements of 40 CFR 355, 370, and 372 (SARA Section 313).

This information is accurate to the best of Floratech's knowledge and is based on information considered to be reliable. It is furnished without warranty. Customers should assess the safety of their final products and satisfy themselves that no patents are being infringed. Floratech® is a registered trademark of International Flora Technologies, Ltd.

HMIS Definitions	
Health Hazard 4 Deadly 3 Extreme danger 2 Hazardous 1 Slightly hazardous 0 Normal material	Fire Hazard - Flash Points 4 Below 73°F 3 Below 100°F 2 Above 100°F not exceeding 200°F 1 Above 200°F 0 Will not burn
Specific Hazard ACID - Acid ALK - Alkali COR - Corrosive OXY - Oxidizer P - Polymerization RAD - Radioactive N/W - Use no water	Reactivity 4 May detonate 3 Shock & heat may detonate 2 Violent chemical change 1 Unstable if heated 0 Stable