

Product name: DIAMOND 0.83 EC

1. PRODUCT AND COMPANY IDENTIFICATION

Product name: DIAMOND 0.83 EC**Chemical name:** 1-[3-chloro-4-(1,1,2-trifluoro-2-trifluoro-methoxyethoxy)phenyl] -3-(2,6-difluorobenzoyl)urea**Supplier:** Crompton Corporation
199 Benson Road
Middlebury, CT 06749, USA**Emergency telephone number:** CHEMTREC (24 hours) 800-424-9300
Crompton Corporation Emergency Response (24 hours)
800-292-5898**For MSDS, Product Safety, or regulatory inquiries, call:** 866-430-2775

2. COMPOSITION / INFORMATION ON INGREDIENTS

COMPONENT	CAS#	CONCENTRATION
1-[3-chloro-4-(1,1,2-trifluoro-2-trifluoro-methoxyethoxy)phenyl] -3-(2,6-difluorobenzoyl)urea	116714-46-6	9.3 %
1-Methyl-2-pyrrolidone	872-50-4	40.0 - 50.0 %

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW**WARNING!**
MAY CAUSE MODERATE IRRITATION TO EYES.

4. FIRST AID MEASURES

Swallowing

Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by the poison control center or doctor. Do not give anything by mouth to an unconscious person.

Skin

Take off contaminated clothing. Rinse skin immediately with plenty of water for 15 to 20 minutes. Call a poison control center or doctor for treatment advice.

Inhalation

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Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advice.

Eye contact

Hold eye open and rinse slowly and gently with water for 15 to 20 minutes. Remove contact lens, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for further treatment advice.

5. FIRE-FIGHTING MEASURES

Flash point: 85 °C (185 °F)

Autoignition temperature: Not determined

NFPA CLASSIFICATION

Health: 2	Flammability: 2	Reactivity: 0	Special provisions: No data available.
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Special fire fighting procedures

Do not discharge extinguishing waters into streams, rivers and lakes.

Special protective equipment for firefighters

Body covering protective clothing, full "turn-out" gear. Self-contained breathing apparatus.

Extinguishing media

Suitable: Large fires:
- alcohol-type foam or universal-type foams
Small fires:
- CO2
- dry chemical
- water spray

Unsuitable: - water jets

6. ACCIDENTAL RELEASE MEASURES

Personal precautions

Wear suitable protective equipment.

Environmental precautions

Prevent from entering sewer system, surface water or soil. May be harmful to aquatic life.

Methods for cleaning up

Observe government regulations.

Small spills Absorb on inert material such as sand, earth, vermiculite.
Collect for disposal.

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Large spills Dike to contain spill.
Pump excess material into suitable container (metal drums, metal tank, or such).

7. HANDLING AND STORAGE

HANDLING

Handling precautions

Avoid contact with eyes, skin and clothing. Use with adequate ventilation.

Other precautions

NOTE TO END-USERS: The employee protection recommendations on this MSDS may differ from those on the product label. For normal use of this product, always refer to the personal protective equipment requirements on the product label.

STORAGE

Storage requirements

Store in a cool, dry place.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

PERSONAL PROTECTION

Respiratory protection

May be needed if product is used in a confined or poorly ventilated area.

Hand protection / protective gloves

Chemical resistant protective gloves

Eye protection

Safety glasses with side shields.

Skin protection

Wear protective clothing.

Other protective equipment

Eye bath

Safety shower

ENGINEERING CONTROLS

Ventilation

General (mechanical) room ventilation is expected to be satisfactory.

Local ventilation is needed in the presence of airborne mists, sprays or aerosols and/or high vapor concentrations.

EXPOSURE LIMITS

No exposure limits have been established

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9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE

Physical state	Liquid
Color	Yellow
Odor	Faint
Odor threshold	No data available.

OTHER PROPERTIES

Boiling point	Not applicable
Melting point	171 - 179 °C at STP unless specified below.
Solidification	Not determined
pH	Not determined
Density	1.07 g/cm ³
Vapor pressure	< 0.000004 (< 0.00 mmHg) at 20 °C hPa
Solubility in water	Dispersible
Partitioning coefficient	log POW: 5.27
Flash point	85 °C (185 °F)
Autoignition temperature	Not determined

10. STABILITY AND REACTIVITY

Stability: This product is stable under normal storage and handling conditions.

Stability - Conditions to avoid

Protect from direct sunlight.
Exposure to heat.
Open flame.

Incompatible materials

Strong acids.
Strong bases.

Hazardous combustion products

Oxides of nitrogen.
Oxides of carbon.
Toxic fumes.

Hazardous polymerization: No data available.

Product name: DIAMOND 0.83 EC**11. TOXICOLOGICAL INFORMATION**

<u>Component toxicology</u> 1-[3-chloro-4-(1,1,2-trifluoro-2-trifluoro-methoxyethoxy)phenyl] - 3-(2,6-difluorobenzoyl)urea Acute toxicity - Swallowing:	LD50 - Rat Result: > 5,000 mg/kg
<u>Component toxicology</u> 1-Methyl-2-pyrrolidone Acute toxicity - Swallowing:	LD50 - Rats Result: 3,914 mg/kg
<u>Component toxicology</u> 1-[3-chloro-4-(1,1,2-trifluoro-2-trifluoro-methoxyethoxy)phenyl] - 3-(2,6-difluorobenzoyl)urea Acute toxicity - Skin absorption:	LD50 - Rabbit Result: > 2,000 mg/kg
<u>Component toxicology</u> 1-Methyl-2-pyrrolidone Acute toxicity - Skin absorption:	LD50 - Rabbit Result: 8,000 mg/kg
<u>Component toxicology</u> 1-[3-chloro-4-(1,1,2-trifluoro-2-trifluoro-methoxyethoxy)phenyl] - 3-(2,6-difluorobenzoyl)urea Acute toxicity - Inhalation:	LC50 - Rat Result: > 5.15 mg/l
<u>Component toxicology</u> 1-[3-chloro-4-(1,1,2-trifluoro-2-trifluoro-methoxyethoxy)phenyl] - 3-(2,6-difluorobenzoyl)urea Skin irritation - Skin contact:	Species: Rabbit Result: Non irritating.
<u>Component toxicology</u> 1-Methyl-2-pyrrolidone Skin irritation - Skin contact:	Species: Rabbit Result: Minor irritation
<u>Component toxicology</u> 1-[3-chloro-4-(1,1,2-trifluoro-2-trifluoro-methoxyethoxy)phenyl] - 3-(2,6-difluorobenzoyl)urea Eye irritation - Eye contact:	Species: Rabbit Result: Mild irritation
<u>Component toxicology</u> 1-Methyl-2-pyrrolidone Eye irritation - Eye contact:	Species: Rabbit Result: Moderate irritation
<u>Component toxicology</u> 1-[3-chloro-4-(1,1,2-trifluoro-2-trifluoro-methoxyethoxy)phenyl] - 3-(2,6-difluorobenzoyl)urea Test results - Sensitization:	Result: Non sensitizing.

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12. ECOLOGICAL INFORMATION

<u>Component ecotoxicology</u> 1-[3-chloro-4-(1,1,2-trifluoro-2-trifluoro-methoxyethoxy)phenyl]-3-(2,6-difluorobenzoyl)urea <u>Acute toxicity fish:</u>	- LC50 - Rainbow trout Result: > 1.0 mg/l Exposure time: 96 h
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13. DISPOSAL CONSIDERATIONS

General: Dispose of in accordance with appropriate Federal, State, and local regulations. Avoid discharge to sewers and natural waters.

Non-cleaned packages

Dispose of in the same way as product.

14. TRANSPORT INFORMATION

DOT Classification

This product is not regulated by DOT.

IMDG Classification

This product is not regulated by IMDG.

ICAO Classification

This product is not regulated by ICAO.

15. REGULATORY INFORMATION

Comprehensive Environmental Response Compensation and Liability Act of 1980 (CERCLA) requires notification of the National Response Center of release of quantities of hazardous substances equal to or greater than the reportable quantities (RQ's) in 40CFR302.4.

Components present in this product at a level which could require reporting under the statute are:

**** NONE ****

Superfund Amendments and Reauthorization Act of 1986 (SARA) Title III requires emergency planning based on Threshold Planning Quantities (TPQ's) and release reporting based on Reportable Quantities (RQ's) in 40CFR355 (used for SARA 302 and 304).

Components present in this product at a level which could require reporting under the statute are:

**** NONE ****

Superfund Amendments and Reauthorization Act of 1986 (SARA) Title III requires submission of annual reports of release of toxic chemicals that appear in 40CFR372 (for SARA 313). This information must be included in MSDS's that are copied and distributed for this material.

Components present in this product at a level which could require reporting under the statute are:

Chemical name	CAS#	Max weight %
1-Methyl-2-pyrrolidone	872-50-4	>=40.00 - <= 50.00

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Massachusetts Right-To-Know Substance List (MSL)--Hazardous Substances and Extraordinarily Hazardous Substances on the MSL must be identified when present in products.

Components present in this product at a level which could require reporting under the statute are:

Chemical name	CAS#	Max weight %
1-Methyl-2-pyrrolidone	872-50-4	>=40.00 - <= 50.00

Pennsylvania Right-To-Know Hazardous Substance List--Hazardous Substances and Special Hazardous Substances on the list must be identified when present in products.

Components present in this product at a level which could require reporting under the statute are:

Chemical name	CAS#	Max weight %
1-Methyl-2-pyrrolidone	872-50-4	>=40.00 - <= 50.00

New Jersey Worker and Community Right-To-Know Act (Labeling Requirements)

Chemical name	CAS#	New Jersey TS Number
1-[3-chloro-4-(1,1,2-trifluoro-2-trifluoro-methoxyethoxy)phenyl] -3-(2,6-difluorobenzoyl)urea	116714-46-6	
1-Methyl-2-pyrrolidone	872-50-4	
Inerts	-	

EPA Hazard Categories (SARA 311, 312): Immediate Health Hazard**California Proposition 65**

This product contains 1-Methyl-2-pyrrolidone which the State of California has found to cause cancer.

FDA**Food contact**

Not applicable.

16. OTHER INFORMATION

RECOMMENDED USES AND RESTRICTIONS

NOTE TO END-USERS: This MSDS is being provided to all interested persons in accordance with federal and state right-to-know laws. Precautionary Statements, First Aid Statements and Directions for Use of this product by end-users are contained on the product label and must be followed at all times.

FURTHER INFORMATIONMAY BE ON THE INVENTORY LIST BUT NOT NECESSARILY REGISTERED, (Korea, China, New Zealand)
CONSULT REGULATORY SPECIALIST.**HMIS RATING**

Health: 2	Flammability: 2	Reactivity: 0	PPI: X
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LEGEND

STP	Standard temperature and pressure
W/W	Weight/Weight



MATERIAL SAFETY DATA SHEET

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0 (HMIS)	Minimal hazard
1 (HMIS)	Slight hazard
2 (HMIS)	Moderate hazard
3 (HMIS)	Serious hazard
4 (HMIS)	Severe hazard
X (HMIS)	Personal protection rating to be supplied by user depending on use conditions

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