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## Safety Data Sheet acc. to OSHA HCS

Printing date 01/17/2024 Revision date 01/17/2024

#### 1 Identification

· Product identifier

· Trade name: XLR11 N-(2-fluoropentyl) isomer

· Synonym [1-(2-fluoropentyl)-1H-indol-3-yl](2,2,3,3-tetramethylcyclopropyl)-methanone

· Article number: 11767

· Application of the substance / the mixture

This product is for research use - Not for human or veterinary diagnostic or therapeutic use.

· Details of the supplier of the safety data sheet

Manufacturer/Supplier: Cayman Chemical Co. 1180 E. Ellsworth Rd. Ann Arbor, MI 48108

USA

· Information department: Product safety department

· Emergency telephone number:

During normal opening times: +1 (734) 971-3335

US/CANADA: 800-424-9300

Outside US/CANADA: 703-741-5970

## 2 Hazard(s) identification

· Classification of the substance or mixture



GHS02 Flame

Flammable Liquids 2 H225 Highly flammable liquid and vapor.



GHS06 Skull and crossbones

Acute Toxicity - Oral 3 H301 Toxic if swallowed.

Acute Toxicity - Dermal 3 H311 Toxic in contact with skin.

Acute Toxicity - Inhalation 3 H331 Toxic if inhaled.



GHS08 Health hazard

Specific Target Organ Toxicity - Single Exposure 1 H370 Causes damage to the central nervous system and the visual organs.

- · Label elements
- · GHS label elements

The product is classified and labeled according to the Globally Harmonized System (GHS).

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Trade name: XLR11 N-(2-fluoropentyl) isomer

#### Hazard pictograms







GHS02 GHS06

#### · Signal word Danger

### · Hazard-determining components of labeling:

Methanol

### · Hazard statements

H225 Highly flammable liquid and vapor.

H301+H311+H331 Toxic if swallowed, in contact with skin or if inhaled.

H370 Causes damage to the central nervous system and the visual organs.

#### · Precautionary statements

P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

P240 Ground/bond container and receiving equipment.

P241 Use explosion-proof electrical/ventilating/lighting/equipment.

P242 Use only non-sparking tools.

P243 Take precautionary measures against static discharge.

P260 Do not breathe dust/fume/gas/mist/vapors/spray.

P264 Wash thoroughly after handling.

P270 Do not eat, drink or smoke when using this product. P271 Use only outdoors or in a well-ventilated area.

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

P301+P310 If swallowed: Immediately call a poison center/doctor.

P321 Specific treatment (see on this label).

P330 Rinse mouth.

P303+P361+P353 If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with

water/shower.

P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P307+P311 IF exposed: Call a POISON CENTER or doctor/physician.

P312 Call a poison center/doctor if you feel unwell.

P361+P364 Take off immediately all contaminated clothing and wash it before reuse.

In case of fire: Use CO2, powder or water spray to extinguish. P370+P378 P403+P233 Store in a well-ventilated place. Keep container tightly closed.

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

Store locked up. P405

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

regulations.

### · Classification system:

#### · NFPA ratings (scale 0 - 4)



Health = 2 Fire = 3Reactivity = 0

#### · HMIS-ratings (scale 0 - 4)



Health = \*2 Fire = 3Reactivity = 0

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· Other hazards

· Results of PBT and vPvB assessment

PBT: Not applicable.vPvB: Not applicable.

## 3 Composition/information on ingredients

- · Chemical characterization: Mixtures
- · Description: Mixture of the substances listed below with nonhazardous additions.

<ul> <li>Dangerous comp</li> </ul>	onents:
CAS: 67 56 1	Motha

Methanol

99.9%

RTECS: PC1400000

Other ingredients

1628690-25-4 XLR11 N-(2-fluoropentyl) isomer

0.1%

### 4 First-aid measures

- Description of first aid measures
- · General information:

Immediately remove any clothing soiled by the product.

Remove breathing apparatus only after contaminated clothing have been completely removed.

In case of irregular breathing or respiratory arrest provide artificial respiration.

· After inhalation:

Supply fresh air or oxygen; call for doctor.

In case of unconsciousness place patient stably in side position for transportation.

- · After skin contact: Immediately wash with water and soap and rinse thoroughly.
- · After eye contact: Rinse opened eye for several minutes under running water. Then consult a doctor.
- · After swallowing: Do not induce vomiting; immediately call for medical help.
- · Information for doctor:
- · Most important symptoms and effects, both acute and delayed

No further relevant information available.

· Indication of any immediate medical attention and special treatment needed

No further relevant information available.

### 5 Fire-fighting measures

- · Extinguishing media
- Suitable extinguishing agents:

CO2, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

Special hazards arising from the substance or mixture

Can release vapors that form explosive mixtures at temperatures at or above the flashpoint.

Container explosion may occur under fire conditions.

Emits toxic fumes under fire conditions.

Sensitive to static discharge.

Vapors can travel to a source of ignition and flash back.

67-56-1During heating or in case of fire poisonous gases are produced.

- Advice for firefighters
- · Protective equipment: Mouth respiratory protective device.

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#### 6 Accidental release measures

· Personal precautions, protective equipment and emergency procedures

Mount respiratory protective device.

Wear protective equipment. Keep unprotected persons away.

· Environmental precautions:

Dilute with plenty of water.

Do not allow to enter sewers/ surface or ground water.

Methods and material for containment and cleaning up:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Dispose contaminated material as waste according to section 13.

Ensure adequate ventilation.

Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

Protective Action Criteria for Chemicals

· PAC-1:			
67-56-1	Methanol		530 ppm
· PAC-2:			
67-56-1	Methanol	2,	100 ppm
· PAC-3:			
67-56-1	Methanol	72	200* ppm

## 7 Handling and storage

- Handling:
- · Precautions for safe handling

Ensure good ventilation/exhaustion at the workplace.

Open and handle receptacle with care.

Prevent formation of aerosols.

· Information about protection against explosions and fires:

Keep ignition sources away - Do not smoke.

Protect against electrostatic charges.

Keep respiratory protective device available.

- Conditions for safe storage, including any incompatibilities
- · Storage: Store in accordance with information listed on the product insert.
- Requirements to be met by storerooms and receptacles: Store in a cool location.
- · Information about storage in one common storage facility: Not required.
- · Further information about storage conditions:

Keep receptacle tightly sealed.

Store in cool, dry conditions in well sealed receptacles.

· Specific end use(s) No further relevant information available.

#### 8 Exposure controls/personal protection

· Additional information about design of technical systems: No further data; see section 7.

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#### · Control parameters

#### · Components with limit values that require monitoring at the workplace:

#### 67-56-1 Methanol

PEL Long-term value: 260 mg/m³, 200 ppm REL Short-term value: 325 mg/m³, 250 ppm Long-term value: 260 mg/m³, 200 ppm

Skin

TLV Short-term value: 250 ppm Long-term value: 200 ppm

Skin; BEI

### · Ingredients with biological limit values:

#### 67-56-1 Methanol

BEI 15 mg/L

Medium: urine Time: end of shift

Parameter: Methanol (background, nonspecific)

- · Additional information: The lists that were valid during the creation were used as basis.
- · Exposure controls
- · Personal protective equipment:
- · General protective and hygienic measures:

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing.

Wash hands before breaks and at the end of work.

Store protective clothing separately.

Avoid contact with the eyes and skin.

### · Breathing equipment:

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use respiratory protective device that is independent of circulating air.

#### Protection of hands:



#### Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

#### · Material of gloves

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

#### · Penetration time of glove material

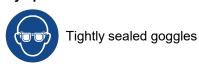
The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

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· Eye protection:



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Information on basic physical and chemical properties General Information Appearance: Form: Color: According to product specification Characteristic Cstructural Formula Molecular Weight Odor threshold: Formulation A solution in methanol  PH-value: Not determined. Change in condition Melting point/Melting range: Boiling point/Boiling range: Flash point: PH-value: PI-value: P	Physical and chemical prope	erties	
Appearance: Form: Color: According to product specification Codor: Characteristic C21H28FNO Molecular Weight 329.5 g/mol Odor threshold: Formulation PH-value: Not determined. Change in condition Melting point/Melting range: Boiling point/Boiling range: Boiling point/Boiling range: Flash point: PH-value: Pish point: Flammability (solid, gaseous): Flammability (solid, gaseous): Highly flammable. Auto igniting: Product is not selfigniting. Danger of explosion: Product is not explosive. However, formation of exploration temperature: Product is not explosive. However, formation of exploration temperature: Product is not explosive. However, formation of exploration temperature: Product is not explosive. However, formation of exploration limits: Lower: Upper: S5.5 Vol % Upper: 44 Vol %  Vapor pressure at 20 °C (68 °F): Pelative density Vapor density Not determined. Solubility in / Miscibility with Water at 20 °C (68 °F): 1000 g/l	Information on basic physical and chemical properties		
Form: Color: According to product specification Codor: Structural Formula Molecular Weight Odor threshold: Formulation Not determined. Formulation  PH-value: Not determined. Change in condition Melting point/Melting range: Boiling point/Boiling range: Highly flammable.  Flammability (solid, gaseous): Flammability (solid, gaseous): Highly flammable.  Auto igniting: Product is not selfigniting.  Danger of explosion: Product is not explosive. However, formation of explorator mixtures are possible.  Explosion limits: Lower: Upper: Vapor pressure at 20 °C (68 °F): Relative density Vapor density Evaporation rate  Liquid According to product specification Characteristic C21H28FNO 329.5 g/mol Not determined.  Pode termined.  Hot determined. Product is not selfigniting. Product is not explosive. However, formation of explorator mixtures are possible.  Explosion limits: Lower: Upper: 44 Vol % Vapor density Not determined.	General Information		
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Odor: Structural Formula Molecular Weight Odor threshold: Formulation Not determined. Formulation  PH-value: Not determined.  Change in condition Melting point/Melting range: Boiling point/Boiling range: Highly flammable.  Flash point: Flammability (solid, gaseous): Highly flammable.  Auto igniting: Product is not selfigniting.  Danger of explosion: Product is not explosive. However, formation of exployapor mixtures are possible.  Explosion limits: Lower: Upper: Vapor pressure at 20 °C (68 °F): Density at 20 °C (68 °F): Relative density Vapor density Vapor density Evaporation rate  Solubility in / Miscibility with Water at 20 °C (68 °F): 1000 g/l  Not determined.  Solubility in / Miscibility with Water at 20 °C (68 °F): 1000 g/l	Form:	Liquid	
Structural Formula Molecular Weight Odor threshold: Not determined. Formulation A solution in methanol  PH-value: Not determined.  Change in condition Melting point/Melting range: Boiling point/Boiling range: -98 °C (-144.4 °F) 64.7 °C (148.5 °F)  Flash point: Plash point: Flammability (solid, gaseous): Highly flammable. Auto igniting: Auto igniting: Decomposition temperature: Not determined. Ignition temperature: Product is not explosive. However, formation of explovapor mixtures are possible.  Explosion limits: Lower: Upper: 44 Vol %  Vapor pressure at 20 °C (68 °F): Plash point: Not determined. Not determined.  Solubility in / Miscibility with Water at 20 °C (68 °F): 1000 g/l	Color:	According to product specification	
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Odor threshold: Formulation  Not determined. A solution in methanol  PH-value: Not determined.  Change in condition Melting point/Melting range: Boiling point/Boiling range: Boiling point/Boiling range:  Flash point:  Flash point:  Plash point:  Flammability (solid, gaseous):  Highly flammable.  Auto igniting:  Decomposition temperature:  Product is not selfigniting.  Danger of explosion:  Product is not explosive. However, formation of exployapor mixtures are possible.  Explosion limits:  Lower: Upper:  Vapor pressure at 20 °C (68 °F):  Pensity at 20 °C (68 °F):  Relative density Vapor density Vapor density Vapor density Not determined.  Not determined. Not determined. Not determined. Not determined. Not determined. Not determined. Not determined. Not determined. Not determined. Solubility in / Miscibility with Water at 20 °C (68 °F): 1000 g/l	· Structural Formula	C21H28FNO	
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PH-value:  Change in condition Melting point/Melting range: Boiling point/Boiling range: 64.7 °C (148.5 °F)  Flash point:  Flammability (solid, gaseous):  Highly flammable.  Auto igniting:  Decomposition temperature:  Not determined.  Ignition temperature:  Product is not selfigniting.  Danger of explosion:  Product is not explosive. However, formation of explosive are possible.  Explosion limits: Lower: Upper:  44 Vol %  Vapor pressure at 20 °C (68 °F):  Possible of the po	· Odor threshold:	Not determined.	
Change in condition Melting point/Melting range: Boiling point/Boiling range: 64.7 °C (148.5 °F)  Flash point: 9.7 °C (49.5 °F)  Flammability (solid, gaseous): Highly flammable.  Auto igniting: 455 °C (851 °F)  Decomposition temperature: Not determined.  Ignition temperature: Product is not selfigniting.  Danger of explosion: Product is not explosive. However, formation of exployapor mixtures are possible.  Explosion limits: Lower: Upper: 44 Vol %  Vapor pressure at 20 °C (68 °F): 128 hPa (96 mm Hg)  Density at 20 °C (68 °F): Relative density Vapor density Vapor density Not determined. Not determined. Not determined. Not determined. Solubility in / Miscibility with Water at 20 °C (68 °F): 1000 g/l	· Formulation	A solution in methanol	
Melting point/Melting range: Boiling point/Boiling range: 64.7 °C (148.5 °F)  · Flash point: 9.7 °C (49.5 °F)  · Flammability (solid, gaseous): Highly flammable.  · Auto igniting: • 455 °C (851 °F)  · Decomposition temperature: Not determined.  · Ignition temperature: Product is not selfigniting.  · Danger of explosion: Product is not explosive. However, formation of exployapor mixtures are possible.  · Explosion limits: Lower: Upper: 44 Vol %  · Vapor pressure at 20 °C (68 °F): Plantage of explosion:  0.79 g/cm³ (6.59255 lbs/gal) Not determined. Not determined. Not determined. Not determined. Not determined. Not determined. Solubility in / Miscibility with Water at 20 °C (68 °F): 1000 g/l	· pH-value:	Not determined.	
Boiling point/Boiling range: 64.7 °C (148.5 °F)  · Flash point: 9.7 °C (49.5 °F)  · Flammability (solid, gaseous): Highly flammable.  · Auto igniting: 455 °C (851 °F)  · Decomposition temperature: Not determined.  · Ignition temperature: Product is not selfigniting.  · Danger of explosion: Product is not explosive. However, formation of explosiva por mixtures are possible.  · Explosion limits:  Lower: 5.5 Vol %  Upper: 44 Vol %  · Vapor pressure at 20 °C (68 °F): 128 hPa (96 mm Hg)  · Density at 20 °C (68 °F): 0.79 g/cm³ (6.59255 lbs/gal)  Relative density Not determined.  Vapor density Not determined.  Solubility in / Miscibility with Water at 20 °C (68 °F): 1000 g/l			
Flash point:  Flammability (solid, gaseous):  Highly flammable.  Auto igniting:  Decomposition temperature:  Product is not selfigniting.  Product is not explosive. However, formation of explosive mixtures are possible.  Explosion limits:  Lower:  Upper:  Vapor pressure at 20 °C (68 °F):  Penduct is not explosive. However, formation of explosive mixtures are possible.  128 hPa (96 mm Hg)  Density at 20 °C (68 °F):  Not determined.  Not determined.  Not determined.  Not determined.  Solubility in / Miscibility with Water at 20 °C (68 °F):  1000 g/l			
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<ul> <li>Decomposition temperature: Product is not selfigniting.</li> <li>Danger of explosion: Product is not explosive. However, formation of explosive approximation of explosion limits: <ul> <li>Lower: 5.5 Vol %</li> <li>Upper: 44 Vol %</li> </ul> </li> <li>Vapor pressure at 20 °C (68 °F): 128 hPa (96 mm Hg)</li> <li>Density at 20 °C (68 °F): 0.79 g/cm³ (6.59255 lbs/gal)</li> <li>Relative density Not determined.</li> <li>Vapor density Not determined.</li> <li>Evaporation rate Not determined.</li> <li>Solubility in / Miscibility with Water at 20 °C (68 °F): 1000 g/l</li> </ul>	· Flammability (solid, gaseous):	Highly flammable.	
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<ul> <li>Danger of explosion:</li> <li>Product is not explosive. However, formation of explosive are possible.</li> <li>Explosion limits:     Lower:</li></ul>	Decomposition temperature:	Not determined.	
vapor mixtures are possible.  Explosion limits: Lower: Upper:  Vapor pressure at 20 °C (68 °F):  Density at 20 °C (68 °F):  Relative density Vapor density Vapor density Evaporation rate  Solubility in / Miscibility with Water at 20 °C (68 °F):  128 hPa (96 mm Hg)  0.79 g/cm³ (6.59255 lbs/gal) Not determined. Not determined.	· Ignition temperature:	Product is not selfigniting.	
Lower: 5.5 Vol % Upper: 44 Vol %  • Vapor pressure at 20 °C (68 °F): 128 hPa (96 mm Hg)  • Density at 20 °C (68 °F): 0.79 g/cm³ (6.59255 lbs/gal)  • Relative density Not determined.  • Vapor density Not determined.  • Evaporation rate Not determined.  • Solubility in / Miscibility with Water at 20 °C (68 °F): 1000 g/l	· Danger of explosion:	Product is not explosive. However, formation of explosive air/vapor mixtures are possible.	
Upper: 44 Vol %  · Vapor pressure at 20 °C (68 °F): 128 hPa (96 mm Hg)  · Density at 20 °C (68 °F): 0.79 g/cm³ (6.59255 lbs/gal)  · Relative density Not determined.  · Vapor density Not determined.  · Evaporation rate Not determined.  · Solubility in / Miscibility with Water at 20 °C (68 °F): 1000 g/l	· Explosion limits:		
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Relative density Vapor density Not determined.  Evaporation rate Not determined.  Not determined.  Not determined.  Not determined.  1000 g/l	· Density at 20 °C (68 °F):	0.79 g/cm³ (6.59255 lbs/gal)	
Vapor density Not determined. Per at 20 °C (68 °F): Not determined. Not determined. Not determined.			
<ul> <li>Evaporation rate Not determined.</li> <li>Solubility in / Miscibility with Water at 20 °C (68 °F): 1000 g/l</li> </ul>			
<b>Water at 20 °C (68 °F)</b> : 1000 g/l			
<b>Water at 20 °C (68 °F)</b> : 1000 g/l	· Solubility in / Miscibility with		
· Partition coefficient (n-octanol/water): Not determined.		1000 g/l	
•	Partition coefficient (n-octanol/wa	ter): Not determined.	
· Viscosity:	· Viscosity:		
Dynamic: Not determined.		Not determined.	
Kinematic: Not determined.		Not determined.	

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SOLUBILITY	DMF: 30 mg/ml; DMSO: 30 mg/ml; Ethanol: 30 mg/ml; Ethanol:PBS (pH 7.2) (1:4): 0.2 mg/ml	
· Solvent content: Organic solvents: VOC content:	99.9 % 99.90 % 999.0 g/l / 8.34 lb/gal	
Solids content:	0.0 %	
· Other information	No further relevant information available.	

## 10 Stability and reactivity

- · Reactivity No further relevant information available.
- · Chemical stability
- Thermal decomposition / conditions to be avoided:

No decomposition if used according to specifications.

- Possibility of hazardous reactions No dangerous reactions known.
- · Conditions to avoid No further relevant information available.
- · Incompatible materials: No further relevant information available.
- · Hazardous decomposition products: No dangerous decomposition products known.

## 11 Toxicological information

- · Information on toxicological effects
- · Acute toxicity:

· LD/LC50	LD/LC50 values that are relevant for classification:			
ATE (Acu	ATE (Acute Toxicity Estimate)			
Oral	LD50	100 mg/kg (rat)		
Dermal	LD50	300 mg/kg (rabbit)		
Inhalative	LC50/4 h	3.1 mg/l (rat)		

67-56-1 M	67-56-1 Methanol		
Oral	LD50	100.1 mg/kg (rat) (Expert judgment) Remarks: Classified according to Regulation (EU) 1272/2008, Annex VI (Table 3.1/3.2) Symptoms: Nausea, Vomiting	
Dermal	LD50	300.1 mg/kg (rabbit) (Expert judgment) Remarks: Classified according to Regulation (EU) 1272/2008, Annex VI (Table 3.1/3.2)	
Inhalative	LC50/4 h	3.1 mg/l (rat) (Expert judgment) Remarks: Classified according to Regulation (EU) 1272/2008, Annex VI (Table 3.1/3.2) Symptoms: Irritation symptoms in the respiratory tract.	

- Primary irritant effect:
- · on the skin: No irritant effect. · on the eye: No irritating effect.

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- · **Sensitization:** No sensitizing effects known.
- Additional toxicological information:

The product shows the following dangers according to internally approved calculation methods for preparations:

Toxic

- · Carcinogenic categories
- · IARC (International Agency for Research on Cancer)

None of the ingredients is listed.

· NTP (National Toxicology Program)

None of the ingredients is listed.

· OSHA-Ca (Occupational Safety & Health Administration)

None of the ingredients is listed.

#### 12 Ecological information

- · Toxicity
- · Aquatic toxicity: No further relevant information available.
- · Persistence and degradability No further relevant information available.
- · Behavior in environmental systems:
- · Bioaccumulative potential No further relevant information available.
- · **Mobility in soil** No further relevant information available.
- · Additional ecological information:
- · General notes:

Water hazard class 2 (Self-assessment): hazardous for water

Do not allow product to reach ground water, water course or sewage system.

Danger to drinking water if even small quantities leak into the ground.

- · Results of PBT and vPvB assessment
- · **PBT:** Not applicable.
- · vPvB: Not applicable.
- · Other adverse effects No further relevant information available.

### 13 Disposal considerations

- · Waste treatment methods
- Recommendation:

Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

- · Uncleaned packagings:
- · Recommendation: Disposal must be made according to official regulations.
- · Recommended cleansing agent: Water, if necessary with cleansing agents.

## 14 Transport information

· UN-Number

· DOT, IMDG, IATA UN1230

· UN proper shipping name

· DOT, IATA Methanol solution

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Trade name: XLR11 N-(2-fluoropentyl) isomer

	(Contd. from page
IMDG	METHANOL solution
Transport hazard class(es)	
DOT	
FLAMMABLE LUQUO  TOXIC  8	
· Class · Label	3 Flammable liquids 3, 6.1
·IMDG	
Class	3 Flammable liquids
· Label	3/6.1
·IATA	
Class	3 Flammable liquids
Label	3 (6.1)
· Packing group · DOT, IMDG, IATA	II
Environmental hazards:	Not applicable.
Special precautions for user Hazard identification number (Kemler code):	
· EMS Number: · Stowage Category	F-E,S-D B
Stowage Code	SW2 Clear of living quarters.
Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not applicable.
Transport/Additional information:	
· DOT · Quantity limitations	On passenger aircraft/rail: 1 L On cargo aircraft only: 60 L
·IMDG	
Limited quantities (LQ)	1L
· Excepted quantities (EQ)	Code: E2 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml
·IATA	
· Remarks:	When sold in quantities of less than or equal to 1 ml or 1 g, with an Excepted Quantity Code of E1, E2, E4, or E5, this item meets the De Minimis
	(Contd. on page

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	Quantities exemption, per IATA 2.6.10. Therefore packaging does not have to be labeled as Dangerous Goods/Excepted Quantity.
· UN "Model Regulation":	UN 1230 METHANOL SOLUTION, 3 (6.1), II

## 15 Regulatory information

- · Safety, health and environmental regulations/legislation specific for the substance or mixture No further relevant information available.
- · Sara
- · Section 355 (extremely hazardous substances):

None of the ingredients is listed.

Section 313 (Specific toxic chemical listings):

67-56-1 Methanol

TSCA (Toxic Substances Control Act):

67-56-1 Methanol ACTIVE

· Hazardous Air Pollutants

67-56-1 Methanol

- · Proposition 65
- · Chemicals known to cause cancer:

None of the ingredients is listed.

· Chemicals known to cause reproductive toxicity for females:

None of the ingredients is listed.

· Chemicals known to cause reproductive toxicity for males:

None of the ingredients is listed.

· Chemicals known to cause developmental toxicity:

67-56-1 Methanol

- Carcinogenic categories
- · EPA (Environmental Protection Agency)

None of the ingredients is listed.

TLV (Threshold Limit Value)

None of the ingredients is listed.

· NIOSH-Ca (National Institute for Occupational Safety and Health)

None of the ingredients is listed.

· Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

## **16 Other information**

All chemicals may pose unknown hazards and should be used with caution. This SDS applies only to the material as packaged. If this product is combined with other materials, deteriorates, or becomes contaminated, it may pose hazards not mentioned in this SDS. Cayman Chemical Company assumes no responsibility for incidental or consequential damages, including lost profits, arising from the use of these data. It shall be the user's responsibility to develop proper methods of handling and personal protection based on the actual conditions of use. While this SDS is based on technical data judged to be reliable, Cayman Chemical Company assumes no responsibility for the completeness or accuracy of the information contained herein.

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· **Department issuing SDS:** Environment protection department.

Contact: -

· Date of preparation / last revision 01/17/2024

Abbreviations and acronyms:

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation IATA: International Air Transport Association

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

NFPA: National Fire Protection Association (USA) HMIS: Hazardous Materials Identification System (USA)

VOC: Volatile Organic Compounds (USA, ÉU)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic vPvB: very Persistent and very Bioaccumulative NIOSH: National Institute for Occupational Safety

OSHA: Occupational Safety & Health

TLV: Threshold Limit Value

PEL: Permissible Exposure Limit

REL: Recommended Exposure Limit

BEI: Biological Exposure Limit

Flammable Liquids 2: Flammable liquids – Category 2

Acute Toxicity - Oral 3: Acute toxicity - Category 3

Specific Target Organ Toxicity - Single Exposure 1: Specific target organ toxicity (single exposure) - Category 1

\* Data compared to the previous version altered.

US