

# Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Date of issue: 04/06/2021

## **SECTION 1: Identification**

## 1.1. Identification

Product form : Mixture
Product name : LANVEER LV
Product code : 89167-91-89391

#### 1.2. Recommended use and restrictions on use

Use of the substance/mixture : Pesticides

#### 1.3. Supplier

INNVICTIS® CROP CARE, LLC 1880 Fall River Drive, Suite 100 Loveland, CO 80538 T 855-466-8428

## 1.4. Emergency telephone number

Emergency number : ChemTrec 1-800-424-9300

## **SECTION 2: Hazard(s) identification**

### 2.1. Classification of the substance or mixture

#### **GHS-US** classification

Flammable liquids, Category 3 H226 Flammable liquid and vapour. Acute toxicity (oral), Category 3 H301 Toxic if swallowed.

Acute toxicity (dermal), Category 4 H312 Harmful in contact with skin.

Acute toxicity (inhalation:dust,mist) Category 2 H330 Fatal if inhaled.

Serious eye damage/eye irritation, Category 1 H318 Causes serious eye damage.

Carcinogenicity, Category 1B H350 May cause cancer.
Specific target organ toxicity — Single exposure, Category 1 H370 Causes damage to organs.

Full text of H statements : see section 16

## 2.2. GHS Label elements, including precautionary statements

## GHS US labelling

Hazard pictograms (GHS US) :









Signal word (GHS US) : Danger

Hazard statements (GHS US) : H226 - Flammable liquid and vapour.

H301 - Toxic if swallowed.

H312 - Harmful in contact with skin. H318 - Causes serious eye damage.

H330 - Fatal if inhaled. H350 - May cause cancer. H370 - Causes damage to organs.

Precautionary statements (GHS US) : P201 - Obtain special instructions before use.

P202 - Do not handle until all safety precautions have been read and understood.

P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P233 - Keep container tightly closed.

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/vapours/spray. P264 - Wash hands, forearms and face thoroughly after handling. P270 - Do not eat, drink or smoke when using this product.

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

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

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P284 - [In case of inadequate ventilation] wear respiratory protection.

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

P302+P352 - If on skin: Wash with plenty of water/...

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 P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove

contact lenses, if present and easy to do. Continue rinsing.

P307+P311 - If exposed: Call a poison center/doctor

P308+P313 - If exposed or concerned: Get medical attention

P310 - Immediately call a poison center/doctor/...

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

P320 - Specific treatment is urgent (see supplemental first aid instruction on this label).

P321 - Specific treatment (see supplemental first aid instruction on this label)

P322 - Specific treatment (see ... on this label)

P330 - Rinse mouth.

P362+P364 - Take off contaminated clothing and wash it before reuse.

P370+P378 - In case of fire: Use media other than water to extinguish.

P403+P233 - Store in a well-ventilated place. Keep container tightly closed.

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

P405 - Store locked up.

P501 - Dispose of contents/container to hazardous or special waste collection point, in

accordance with local, regional, national and/or international regulation

#### 2.3. Other hazards which do not result in classification

No additional information available

## 2.4. Unknown acute toxicity (GHS US)

Not applicable

## **SECTION 3: Composition/information on ingredients**

## 3.1. Substances

Not applicable

#### 3.2. Mixtures

Name	Product identifier	%	GHS-US classification
methomyl	(CAS-No.) 16752-77-5	29	Acute Tox. 2 (Oral), H300 Acute Tox. 3 (Dermal), H311 Acute Tox. 2 (Inhalation:dust,mist), H330
Other Ingredients	(CAS-No.) 108-94-1	Proprietary	Flam. Liq. 3, H226 Acute Tox. 4 (Inhalation), H332
Other Ingredients	(CAS-No.) 67-56-1	Proprietary	Flam. Liq. 2, H225 Acute Tox. 3 (Oral), H301 Acute Tox. 3 (Dermal), H311 Acute Tox. 3 (Inhalation), H331 STOT SE 1, H370

Full text of hazard classes and H-statements : see section 16

# **SECTION 4: First-aid measures**

## 4.1. Description of first aid measures

First-aid measures general : Call a physician immediately.

First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing. Call a physician immediately.

Call a doctor.

First-aid measures after skin contact : Rinse skin with water/shower. Take off immediately all contaminated clothing.

First-aid measures after eye contact : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to

do. Continue rinsing. Call a physician immediately.

First-aid measures after ingestion : Rinse mouth. Call a physician immediately.

#### 4.2. Most important symptoms and effects (acute and delayed)

Symptoms/effects after eye contact : Serious damage to eyes.

## 4.3. Immediate medical attention and special treatment, if necessary

Treat symptomatically.

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### **SECTION 5: Fire-fighting measures**

### 5.1. Suitable (and unsuitable) extinguishing media

Suitable extinguishing media : Water spray. Dry powder. Foam. Carbon dioxide.

### 5.2. Specific hazards arising from the chemical

Fire hazard : Flammable liquid and vapour. Hazardous decomposition products in case of : Toxic fumes may be released.

fire

### 5.3. Special protective equipment and precautions for fire-fighters

Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

## **SECTION 6: Accidental release measures**

### 6.1. Personal precautions, protective equipment and emergency procedures

#### 6.1.1. For non-emergency personnel

Emergency procedures : No open flames, no sparks, and no smoking. Only qualified personnel equipped with suitable

protective equipment may intervene. Do not breathe dust/fume/gas/mist/vapours/spray.

## 6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information

refer to section 8: "Exposure controls/personal protection".

### 6.2. Environmental precautions

Avoid release to the environment. Notify authorities if product enters sewers or public waters.

## 6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Take up liquid spill into absorbent material. Notify authorities if product enters sewers or public

waters

Other information : Dispose of materials or solid residues at an authorized site.

#### 6.4. Reference to other sections

For further information refer to section 13.

## **SECTION 7: Handling and storage**

#### 7.1. Precautions for safe handling

Precautions for safe handling : Ensure good ventilation of the work station. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Ground/bond container and receiving

flames and other ignition sources. No smoking. Ground/bond container and receiving equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Flammable vapours may accumulate in the container. Use explosion-proof equipment. Wear personal protective equipment. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Take all necessary technical measures to avoid or minimize the release of the product on the workplace. Limit quantities of product at the minimum necessary for handling and limit the number of exposed workers. Provide local exhaust or general room ventilation. Floors, walls and other surfaces in the hazard area must be cleaned regularly. Do not breathe dust/fume/gas/mist/vapours/spray.

Do not get in eyes, on skin, or on clothing.

Hygiene measures : Separate working clothes from town clothes. Launder separately. Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after

handling the product.

## 7.2. Conditions for safe storage, including any incompatibilities

Technical measures : Ground/bond container and receiving equipment.

Storage conditions : Store in a well-ventilated place. Keep cool. Keep container tightly closed. Store locked up.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

## LANVEER LV

No additional information available

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methomyl (16752-77-5)	
USA - ACGIH - Occupational Exposure Limits	
ACGIH TWA (mg/m³)	0.2 mg/m³ (Inhalable fraction and vapor)
cyclohexanone (108-94-1)	
No additional information available	
methanol (67-56-1)	
No additional information available	

## 8.2. Appropriate engineering controls

Appropriate engineering controls : Ensure good ventilation of the work station.

Environmental exposure controls : Avoid release to the environment.

## 8.3. Individual protection measures/Personal protective equipment

### Hand protection:

Protective gloves

## Eye protection:

Safety glasses

### Skin and body protection:

Wear suitable protective clothing

## Respiratory protection:

[In case of inadequate ventilation] wear respiratory protection.

## Personal protective equipment symbol(s):



# **SECTION 9: Physical and chemical properties**

## 9.1. Information on basic physical and chemical properties

Physical state : Liquid

Appearance : Clear blue liquid.

Colour : Mixture contains one or more component(s) which have the following colour(s):

White

Odour : Aromatic odour
Odour threshold : No data available

pH : 6.33

Melting point: Not applicableFreezing point: No data availableBoiling point: No data available

Flash point : 41 °C

Relative evaporation rate (butylacetate=1) : No data available Flammability (solid, gas) : Not applicable. Vapour pressure : No data available : No data available Relative vapour density at 20 °C Relative density : 1.03 g/cm3 No data available Solubility Partition coefficient n-octanol/water (Log Pow) : No data available Auto-ignition temperature : No data available Decomposition temperature : No data available

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Viscosity, kinematic : No data available
Viscosity, dynamic : No data available
Explosive limits : No data available
Explosive properties : No data available
Oxidising properties : No data available

### 9.2. Other information

No additional information available

## **SECTION 10: Stability and reactivity**

### 10.1. Reactivity

Flammable liquid and vapour.

### 10.2. Chemical stability

Stable under normal conditions.

## 10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

#### 10.4. Conditions to avoid

Avoid contact with hot surfaces. Heat. No flames, no sparks. Eliminate all sources of ignition.

#### 10.5. Incompatible materials

No additional information available

LC50 inhalation rat (mg/l)

## 10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

# **SECTION 11: Toxicological information**

## 11.1. Information on toxicological effects

Acute toxicity (oral) : Toxic if swallowed.

Acute toxicity (dermal) : Harmful in contact with skin.

Acute toxicity (inhalation) : Fatal if inhaled.

LANVEER LV	
LD50 oral rat	55 – 174 mg/kg
LD50 dermal rat	> 2000 mg/kg
LC50 inhalation rat (mg/l)	0.053 – 0.35 mg/kg
ATE US (oral)	55 mg/kg bodyweight
ATE US (dermal)	1802.074 mg/kg bodyweight
ATE US (vapours)	0.053 mg/l/4h
ATE US (dust,mist)	0.053 mg/l/4h
methomyl (16752-77-5)	
LD50 oral rat	12 mg/kg (Rat, Oral)
LD50 dermal rat	1000 mg/kg (Rat, Dermal)
LD50 dermal rabbit	556 mg/kg (Rabbit, Dermal)

0.45 mg/l (4 h, Rat, Inhalation)

Skin corrosion/irritation : Not classified

pH: 6.33

Serious eye damage/irritation : Causes serious eye damage.

pH: 6.33

Respiratory or skin sensitisation : Not classified
Germ cell mutagenicity : Not classified
Carcinogenicity : May cause cancer.

LANVEER LV	
IARC group	2A - Probably carcinogenic to humans

Reproductive toxicity : Not classified

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STOT-single exposure : Causes damage to organs.

methanol (67-56-1)	
STOT-single exposure	Causes damage to organs.

STOT-repeated exposure : Not classified

Aspiration hazard : Not classified Viscosity, kinematic : No data available

Symptoms/effects after eye contact : Serious damage to eyes.

## **SECTION 12: Ecological information**

## 12.1. Toxicity

Ecology - general : This product is toxic to aquatic life

methomyl (16752-77-5)	
LC50 fish 1	0.8 mg/l (96 h, Lepomis macrochirus)
EC50 Daphnia 1	0.0088 mg/l (48 h, Daphnia magna, Hard water)

## 12.2. Persistence and degradability

methomyl (16752-77-5)	
Persistence and degradability	Not readily biodegradable in water.

## 12.3. Bioaccumulative potential

methomyl (16752-77-5)	
Partition coefficient n-octanol/water (Log Pow)	0.6
Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).

## 12.4. Mobility in soil

No additional information available

## 12.5. Other adverse effects

No additional information available

## **SECTION 13: Disposal considerations**

## 13.1. Disposal methods

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.

Additional information : Flammable vapours may accumulate in the container.

## **SECTION 14: Transport information**

## **Department of Transportation (DOT)**

In accordance with DOT

Transport document description : UN2991 Carbamate pesticides, liquid, toxic, flammable, 6.1 (3), III

UN-No.(DOT) : UN2991

Proper Shipping Name (DOT) : Carbamate pesticides, liquid, toxic, flammable

Class (DOT) : 6.1 - Class 6.1 - Poisonous materials 49 CFR 173.132

Packing group (DOT) : III - Minor Danger

Subsidiary risk (DOT) : 3 - Class 3 - Flammable and combustible liquid 49 CFR 173.120

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Hazard labels (DOT) : 6.1 - Poison

3 - Flammable liquid



DOT Packaging Non Bulk (49 CFR 173.xxx) : 203 DOT Packaging Bulk (49 CFR 173.xxx) : 242

DOT Special Provisions (49 CFR 172.102)

: B1 - If the material has a flash point at or above 38 C (100 F) and below 93 C (200 F), then the bulk packaging requirements of 173.241 of this subchapter are applicable. If the material has a flash point of less than 38 C (100 F), then the bulk packaging requirements of 173.242 of this

subchapter are applicable.

IB3 - Authorized IBCs: Metal (31A, 31B and 31N); Rigid plastics (31H1 and 31H2); Composite (31HZ1 and 31HA2, 31HB2, 31HN2, 31HD2 and 31HH2). Additional Requirement: Only liquids with a vapor pressure less than or equal to 110 kPa at 50 C (1.1 bar at 122 F), or 130 kPa at 55 C (1.3 bar at 131 F) are authorized, except for UN2672 (also see Special Provision IP8 in Table 2 for UN2672).

T7 - 4 178.274(d)(2) Normal..... 178.275(d)(3)

TP2 - a. The maximum degree of filling must not exceed the degree of filling determined by the following: (image) Where: tr is the maximum mean bulk temperature during transport, tf is the temperature in degrees celsius of the liquid during filling, and a is the mean coefficient of cubical expansion of the liquid between the mean temperature of the liquid during filling (tf) and the maximum mean bulk temperature during transportation (tr) both in degrees celsius. b. For liquids transported under ambient conditions may be calculated using the formula: (image) Where: d15 and d50 are the densities (in units of mass per unit volume) of the liquid at 15 C (59 F) and 50 C (122 F), respectively.

TP28 - A portable tank having a minimum test pressure of 2.65 bar (265 kPa) may be used provided the calculated test pressure is 2.65 bar or less based on the MAWP of the hazardous material, as defined in 178.275 of this subchapter, where the test pressure is 1.5 times the

MAWP.

DOT Packaging Exceptions (49 CFR 173.xxx) : 153 DOT Quantity Limitations Passenger aircraft/rail : 60 L

(49 CFR 173.27)

DOT Quantity Limitations Cargo aircraft only (49 : 220 L

CFR 175.75)

DOT Vessel Stowage Location : A - The material may be stowed "on deck" or "under deck" on a cargo vessel and on a

passenger vessel

Transport/Additional information : 40 - Stow "clear of living quarters"

Emergency Response Guide (ERG) Number : 1

Other information : No supplementary information available.

#### **Transportation of Dangerous Goods**

Not applicable

#### Transport by sea

Transport document description (IMDG) : UN 2991 CARBAMATE PESTICIDE, LIQUID, TOXIC, FLAMMABLE, 6.1 (3), III (23°C c.c.)

UN-No. (IMDG) : 299

Proper Shipping Name (IMDG) : CARBAMATE PESTICIDE, LIQUID, TOXIC, FLAMMABLE

Class (IMDG) : 6.1 - Toxic substances

Packing group (IMDG) : III - substances presenting low danger

Subsidiary risk (IMDG) : 3 - Flammable liquids

Air transport

Transport document description (IATA) : UN 2991 Carbamate pesticide, liquid, toxic, flammable,, 6.1, III

UN-No. (IATA) : 2991

Proper Shipping Name (IATA) : Carbamate pesticide, liquid, toxic, flammable,

Class (IATA) : 6.1 - Toxic Substances
Packing group (IATA) : III - Minor Danger
Subsidiary hazards (IATA) : 3 - Flammable liquids

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# **SECTION 15: Regulatory information**

## 15.1. US Federal regulations

## LANVEER LV

All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory except for:

		· · ·
methanol	CAS-No. 67-56-1	Proprietary%
cyclohexanone	CAS-No. 108-94-1	Proprietary%
methomyl	CAS-No. 16752-77-5	29%

EPAR Labelling  EPA Registration Number  89167-91-89391  This chemical is a pesticide product registered by the Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets, and for workplace labels of non-pesticide chemicals. Following is the hazard information as required on the pesticide label.  FIFRA Pictogram  PIFRA Signal Word  Danger  FIFRA Precautionary Statement  Call a doctor if you feel unwell. Keep out of reach of children.  EFIRA Human Health Hazards  Restricted Use Pesticide due to toxicity categories. For retail sale to and use only by Certified Applicators or persons under their direct supervision and only for those uses covered by the Certified Applicator's certification.  Contains Methanol. Methanol may cause blindness. Corrosive. Causes irreversible eye damage. May be fatal if swallowed or if inhaled. Harmful if absorbed through skin. DO NOT get in eyes or on clothing. DO NOT breathe spray mist. Avoid contact with skin.  FIFRA First Aid  IF IN EYES: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for tratement advice. IF SWALLDWED: Call a poison control center or doctor for further treatment advice. IF SWALLDWED: Call a poison control center or doctor for further treatment advice. IF SWALLDWED: Call a poison control center or doctor for further treatment advice. IF SWALLDWED: Call a poison control center or doctor for further treatment advice. IF ON SKIN OR CLOTHING: Take off  ON SKIN OR SYMPTOMS: Methomyl poisoning produces effects associated with anticholinesterase activity which may include weakness, blurred vision, headache, nau		1 ,
This chemical is a pesticide product registered by the Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets, and for workplace labels of non-pesticide chemicals. Following is the hazard information as required on the pesticide label.  FIFRA Pictogram  FIFRA Signal Word  Danger  FIFRA Signal Word  Call a doctor if you feel unwell. Keep out of reach of children.  Restricted Use Pesticide due to toxicity categories. For retail sale to and use only by Certified Applicators or persons under their direct supervision and only for those uses covered by the Certified Applicators or persons under their direct supervision and only for those uses covered by the Certified Applicators or persons under their direct supervision and only for those uses covered by the Certified Applicators or persons under their direct supervision and only for those uses covered by the Certified Applicators or persons under their direct supervision and only for those uses covered by the Certified Applicators or persons under their direct supervision and only for those uses covered by the Certified Applicators or persons under their direct supervision and only for those uses covered by the Certified Applicators or persons under their direct supervision and only for those uses covered by the Certified Applicators or persons under their direct supervision and only for those uses covered by the Certified Applicators or persons under their direct supervision and only for those uses covered by the Certified Applicators or persons under their direct supervision and only for those uses covered by the Certified Applicators or persons under their direct supervision and only for those uses covered by the Certified Applicators or persons under their direct supervision and only for those uses covered by the Certified Applicators or persons under their direct supervision and only for those us	FIFRA Labelling	
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FIFRA Signal Word  Call a doctor if you feel unwell. Keep out of reach of children.  FIFRA Human Health Hazards  Restricted Use Pesticide due to toxicity categories. For retail sale to and use only by Certified Applicators or persons under their direct supervision and only for those uses covered by the Certified Applicator's certification.  Contains Methanol. Methanol may cause blindness. Corrosive. Causes irreversible eye damage. May be fatal if swallowed or if inhale Harmful if absorbed through skin. DO NOT get in eyes or on clothing. DO NOT breathe spray mist. Avoid contact with skin.  FIFRA First Aid  IF IN EYES: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice. IF INHALED: 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. IF SWALLOWED: Call a poison control center or doctor for further treatment advice. IF SWALLOWED: Call a poison control center or doctor for further treatment advice. IF SWALLOWED: Call a poison control center or doctor. DO NOT give anything to an unconscious person. IF ON SKIN OR CLOTHING: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor. DO NOT give anything to an unconscious person. IF ON SKIN OR CLOTHING: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor. DO NOT give anything to an unconscious person. IF ON SKIN OR CLOTHING: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor.  ONCE IN ALL CASES OF SUSSPECTED  POISONING SYMPTOMS - Methomyl poisoning produces effects associated with anticholinestera	federal pesticide law. These requirements differ fr	om the classification criteria and hazard information required for safety data sheets, and for
FIFRA Precautionary Statement  Call a doctor if you feel unwell. Keep out of reach of children.  Restricted Use Pesticide due to toxicity categories. For retail sale to and use only by Certified Applicators or persons under their direct supervision and only for those uses covered by the Certified Applicator's certification.  Contains Methanol. Methanol may cause blindness. Corrosive. Causes irreversible eye damage. May be fatal if swallowed or if inhaled. Harmful if absorbed through skin. DO NOT get in eyes or on clothing. DO NOT breathe spray mist. Avoid contact with skin.  FIFRA First Aid  IF IN EYES: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice. IF INHALED: 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. IF SWALLOWED: Call a poison control center or doctor for further treatment advice. IF SWALLOWED: Call a poison control center or doctor. DO NOT give anything to an unconscious person. IF ON SKIN OR CLOTHING: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor. DO NOT give anything to an unconscious person. IF ON SKIN OR CLOTHING: Take off contaminated clothing, Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor. ATROPINE IS AN ANTIDOTE SEEK MEDICAL ATTENTION AT ONCE IN ALL CASES OF SUSPECTED  POISONING. If poisoning symptoms appear (see POISONING SYMPTOMS), get medical attention.  POISONING SYMPTOMS - Methomyl poisoning produces effects associated with anticholinesterase activity which may include weakness, blurred vision, headache, nausea, abdominal cramps, discomfort in the chest, constriction of pupils, sweating, slow pulse,	FIFRA Pictogram	
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respiration or oxygen may be necessary.  Allow no further exposure to any cholinesterase inhibitor until recovery is assured. DO NOT use 2-PAM for exposure to LANVEER  LV alone. However, for exposure to combinations of LANVEER LV and organophosphorous insecticides, 2-PAM may be used as required to supplement the atropine sulfate treatment. DO NOT use morphine. Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact the National Poison Control Center 24-hr	FIFRA First Aid	IF IN EYES: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice. IF INHALED: 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. IF SWALLOWED: 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 by a poison control center or doctor. DO NOT give anything to an unconscious person. IF ON SKIN OR CLOTHING: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice. ATROPINE IS AN ANTIDOTE SEEK MEDICAL ATTENTION AT ONCE IN ALL CASES OF SUSPECTED POISONING. If poisoning symptoms appear (see POISONING SYMPTOMS), get medical attention.  POISONING SYMPTOMS - Methomyl poisoning produces effects associated with anticholinesterase activity which may include weakness, blurred vision, headache, nausea, abdominal cramps, discomfort in the chest, constriction of pupils, sweating, slow pulse, muscle tremors. If poisoning symptoms appear, refer to First Aid section and seek medical attention at once.  NOTE TO PHYSICIAN: Probable mucosal damage may contraindicate the use of gastric lavage. TREATMENT- Atropine sulfate should be used for treatment. Administer repeated doses, 1.2 to 2.0 mg intravenously every 10 to 30 minutes until full atropinization is achieved. Maintain atropinization until the patient recovers. Artificial respiration or oxygen may be necessary.  Allow no further exposure to any cholinesterase inhibitor until recovery is assured. Do NoT use 2-PAM for exposure to LANVEER LV alone. However, for exposure to combinations of LANVEER LV and organophosphorous insecticides, 2-P

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# Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

FIFRA Labelling		
FIFRA Environmental Hazards	This pesticide is toxic to fish, aquatic invertebrates, and mammals. DO NOT apply directly to water or to areas where surface water is present or to intertidal areas below the mean highwater mark. Drift and runoff may be hazardous to aquatic organisms in neighboring areas. DO NOT contaminate water when disposing of equipment washwater or rinsate. This product is highly toxic to bees exposed to direct treatment on blooming crops or weeds. DO NOT apply this product or allow it to drift to blooming crops or weeds while bees are actively visiting the treatment area. This chemical is known to leach through soil into groundwater under certain conditions as a result of label use. Use of this chemical in areas where soils are permeable, particularly where the water table is shallow, may result in groundwater contamination. This chemical can contaminate surface water through spray drift. Under some conditions, it may also have a high potential for runoff into surface water for several days to weeks after application. These include poorly draining or wet soils with readily visible slopes toward adjacent surface waters, frequently flooded areas, areas overlaying extremely shallow groundwater, areas with in-field canals or ditches that drain to surface water, areas not separated from adjacent surface waters with vegetated filter strips, and areas overlaying tile drainage systems that drain to surface water.	
FIFRA Physical Hazard	Combustible. DO NOT use or store near heat or open flame. Keep container closed. Use with adequate ventilation. The product shows potential explosive properties when heated to elevated temperatures.	

### 15.2. International regulations

**CANADA** 

No additional information available

**EU-Regulations** 

No additional information available

**National regulations** 

### LANVEER LV

This chemical is a pesticide product registered by the United States Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets (SDS), and for workplace labels of non-pesticide chemicals. The hazard information required on the pesticide label is reproduced below. The pesticide label also includes other important information, including directions for use. PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS CAUTION: Causes moderate eye irritation. Harmful if inhaled. Avoid contact with eyes or clothing. Avoid breathing dust. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse. Prolonged or frequent repeated skin contact while handling the material may cause allergic reaction in some individuals.

### 15.3. US State regulations

California Proposition 65 - This product does not contain any substances known to the state of California to cause cancer, developmental and/or reproductive harm

## **SECTION 16: Other information**

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

#### Full text of H-statements:

H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H300	Fatal if swallowed.
H301	Toxic if swallowed.
H311	Toxic in contact with skin.
H312	Harmful in contact with skin.
H318	Causes serious eye damage.
H330	Fatal if inhaled.
H331	Toxic if inhaled.
H332	Harmful if inhaled.
H350	May cause cancer.
H370	Causes damage to organs.

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# Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

SDS US (GHS HazCom 2012)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.

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