



# SAFETY DATA SHEET

Issue Date 30-Mar-2017

Revision Date 30-Mar-2017

Version 1

## 1. IDENTIFICATION

### Product identifier

**Product Name** Nudrin LV Insecticide

### Other means of identification

**Product Code** 83100-27-83979

**UN/ID no** UN2991

**Registration Number(s)** 83100-27-83979

### Recommended use of the chemical and restrictions on use

**Recommended Use** Insecticide Restricted to professional users

**Uses advised against** Consumer use

### Details of the supplier of the safety data sheet

#### **Manufacturer Address**

Rotam North America, Inc.  
4900 Koger Blvd. Suite# 140  
Greensboro, NC 27407  
Website: msds@rotam.com

### Emergency telephone number

**Company Phone Number** 1-866-927-6826 (toll free)

1-336-346-8802

**Emergency Telephone**

CHEMTREC: 800-424-9300

CHEMTREC: 703-527-3887

POISON CONTROL CENTER: 800-222-1222

NPIC: 1-800-858-7378

## 2. HAZARDS IDENTIFICATION

### Classification

#### **OSHA Regulatory Status**

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Acute toxicity - Oral	Category 3
Acute toxicity - Dermal	Category 4
Acute toxicity - Inhalation (Dusts/Mists)	Category 2
Serious eye damage/eye irritation	Category 1
Carcinogenicity	Category 1B
Specific target organ toxicity (single exposure)	Category 1
Flammable liquids	Category 3

### Label elements

#### **Emergency Overview**

**Danger**

**Hazard statements**

Toxic if swallowed  
Harmful in contact with skin  
Fatal if inhaled  
Causes serious eye damage  
May cause cancer  
Causes damage to organs  
Flammable liquid and vapor



**Appearance** clear liquid

**Physical state** liquid

**Odor** Aromatic

#### **Precautionary Statements - Prevention**

Obtain special instructions before use  
Do not handle until all safety precautions have been read and understood  
Wear protective gloves/protective clothing/eye protection/face protection  
Wash face, hands and any exposed skin thoroughly after handling  
Do not eat, drink or smoke when using this product  
Do not breathe dust/fume/gas/mist/vapors/spray  
Use only outdoors or in a well-ventilated area  
Wear respiratory protection  
Keep away from heat/sparks/open flames/hot surfaces. - No smoking  
Keep container tightly closed  
Ground/bond container and receiving equipment  
Use explosion-proof electrical/ ventilating/ lighting/ equipment  
Use only non-sparking tools  
Take precautionary measures against static discharge

#### **Precautionary Statements - Response**

Specific treatment is urgent (see instructions on this label)  
IF exposed: Call a POISON CENTER or doctor/physician  
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
Immediately call a POISON CENTER or doctor/physician  
IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower  
Call a POISON CENTER or doctor/physician if you feel unwell  
Wash contaminated clothing before reuse  
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing  
Immediately call a POISON CENTER or doctor/physician  
IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician  
Rinse mouth  
In case of fire: Use CO<sub>2</sub>, dry chemical, or foam for extinction

#### **Precautionary Statements - Storage**

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

#### **Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant

#### **Hazards not otherwise classified (HNOC)**

Not applicable

#### **Other Information**

Very toxic to aquatic life with long lasting effects. Very toxic to aquatic life.

**Unknown acute toxicity**

0% of the mixture consists of ingredient(s) of unknown toxicity

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

**Substance**

Not applicable

**Mixture**

Chemical Name	CAS No	Weight-%
Other ingredients	Proprietary	36.0
Methomyl	16752-77-5	29.0
Cyclohexanone *	108-94-1	10 - 30
Methyl alcohol *	67-56-1	5 - 10

\*The exact percentage (concentration) of composition has been withheld as a trade secret. If CAS number is "proprietary", the specific chemical identity and percentage of composition has been withheld as a trade secret.

### 4. FIRST AID MEASURES

**Description of first aid measures**

<b>General advice</b>	Call a poison control center or doctor for treatment advice. Have the product containers or label with you when calling a poison control center or doctor, or going for treatment.
<b>Eye contact</b>	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a poison control center or doctor for treatment advice.
<b>Skin contact</b>	Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. Wash contaminated clothing before reuse. If skin irritation persists, call a physician. Call a poison control center or doctor for treatment advice.
<b>Inhalation</b>	Move victim to fresh air. If breathing is irregular or stopped, administer artificial respiration. Call a physician or poison control center immediately. Call a poison control center or doctor for treatment advice.
<b>Ingestion</b>	Call a physician or poison control center immediately. Drink 1 or 2 glasses of water. Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person.
<b>Self-protection of the first aider</b>	Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves.

**Most important symptoms and effects, both acute and delayed**

<b>Symptoms</b>	<p>If poisoning symptoms appear (see POISONING SYMPTOMS), get medical attention.</p> <p>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.</p> <p>May result in permanent damage including blindness.</p>
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**Indication of any immediate medical attention and special treatment needed**

**Note to physicians**

ATROPINE IS AN ANTIDOTE: SEEK MEDICAL ATTENTION AT ONCE IN ALL CASES OF SUSPECTED POISONING.

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 NUDRIN LV INSECTICIDE alone. However, for exposure to combinations of NUDRIN LV INSECTICIDE 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 Emergency Hotline at: 1-800-222-1222.

## 5. FIRE-FIGHTING MEASURES

**Suitable extinguishing media**

Dry chemical, CO<sub>2</sub>, water spray or regular foam. Move containers from fire area if you can do it without risk. Dike fire-control water for later disposal. Water spray, fog or regular foam.

**Unsuitable extinguishing media** None.

**Specific hazards arising from the chemical**

Thermal decomposition can lead to release of irritating and toxic gases and vapors. Runoff may pollute waterways.

**Hazardous combustion products** Carbon oxides. Nitrogen oxides (NO<sub>x</sub>). Oxides of sulfur.

**Explosion data**

**Sensitivity to Mechanical Impact** None.

**Sensitivity to Static Discharge** None.

**Protective equipment and precautions for firefighters**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. Cool containers / tanks with water spray.

## 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions, protective equipment and emergency procedures****Personal precautions**

Evacuate personnel to safe areas. Ensure adequate ventilation, especially in confined areas. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Use personal protective equipment as required. Keep people away from and upwind of spill/leak. Remove all sources of ignition.

**For emergency responders**

Use personal protection recommended in Section 8. Ventilate the area.

**Environmental precautions****Environmental precautions**

Prevent entry into waterways, sewers, basements or confined areas.

**Methods and material for containment and cleaning up****Methods for containment**

Prevent further leakage or spillage if safe to do so.

**Methods for cleaning up**

Cover liquid spill with sand, earth or other non-combustible absorbent material. Sweep up and shovel into suitable containers for disposal.

## 7. HANDLING AND STORAGE

**Precautions for safe handling****Advice on safe handling**

Use personal protective equipment as required. Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Do not breathe dust/fume/gas/mist/vapors/spray. Avoid contact with skin, eyes or clothing. Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity).

**Conditions for safe storage, including any incompatibilities****Storage Conditions**

Keep container tightly closed in a dry and well-ventilated place. Keep out of the reach of children. Keep away from food, drink and animal feeding stuffs. Keep in properly labeled containers. Keep away from sources of ignition - No smoking.

**Packaging materials**

Do not reuse container.

**Incompatible materials**

Strong oxidizing agents.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION****Control parameters****Exposure Guidelines**

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Methomyl 16752-77-5	TWA: 0.2 mg/m <sup>3</sup> inhalable fraction and vapor S*	-	TWA: 2.5 mg/m <sup>3</sup>
Cyclohexanone 108-94-1	STEL: 50 ppm TWA: 20 ppm S*	TWA: 50 ppm TWA: 200 mg/m <sup>3</sup>	IDLH: 700 ppm TWA: 25 ppm TWA: 100 mg/m <sup>3</sup>
Methyl alcohol 67-56-1	STEL: 250 ppm TWA: 200 ppm S*	TWA: 200 ppm TWA: 260 mg/m <sup>3</sup>	IDLH: 6000 ppm TWA: 200 ppm TWA: 260 mg/m <sup>3</sup> STEL: 250 ppm STEL: 325 mg/m <sup>3</sup>

**Legend**

S\* - Skin Absorber

NIOSH IDLH Immediately Dangerous to Life or Health

**Appropriate engineering controls****Engineering Controls**

Ensure adequate ventilation, especially in confined areas. And. Showers. Eyewash stations. Ventilation systems.

**Individual protection measures, such as personal protective equipment****Eye/face protection**

Wear safety glasses with side shields (or goggles). If splashes are likely to occur. Tight sealing safety goggles.

**Skin and body protection**

Wear suitable protective clothing. Wear protective butyl rubber gloves. Protective shoes or boots.

**Respiratory protection**

Ensure adequate ventilation, especially in confined areas. If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

**General Hygiene Considerations**

When using do not eat, drink or smoke. Regular cleaning of equipment, work area and

clothing is recommended. Avoid contact with skin, eyes or clothing. Wash hands thoroughly after handling. Keep away from food, drink and animal feeding stuffs. Wash contaminated clothing before reuse.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Information on basic physical and chemical properties

Physical state	liquid	Odor	Aromatic
Appearance	clear liquid	Odor threshold	No information available
Color	blue		

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
pH	6.33	solution (1 %)
Melting point / freezing point	No information available	
Boiling point / boiling range	No information available	
Flash point	41 °C / 106 °F	Seta Closed Cup
Evaporation rate	No information available	
Flammability (solid, gas)	No information available	
Flammability Limit in Air		
Upper flammability limit:	No information available	
Lower flammability limit:	No information available	
Vapor pressure	~17 mmHg	@ 20 °C
Vapor density	No information available	
Relative density	1.03 g/cm <sup>3</sup>	
Water solubility	dispersible	
Solubility in other solvents	No information available	
Partition coefficient	No information available	
Autoignition temperature	No information available	
Decomposition temperature	No information available	
Kinematic viscosity	No information available	
Dynamic viscosity	No information available	
Explosive properties	Not an explosive	
Oxidizing properties	Not applicable	

### Other Information

Softening point	No information available
Molecular weight	No information available
VOC Content (%)	No information available
Density	No information available
Bulk density	No information available

## 10. STABILITY AND REACTIVITY

### Reactivity

No data available

### Chemical stability

Stable under recommended storage conditions.

### Possibility of Hazardous Reactions

None under normal processing.

### Conditions to avoid

Elevated Temperature. Heat, flames and sparks. Storage near to reactive materials.

### Incompatible materials

Strong oxidizing agents.

### Hazardous Decomposition Products

Thermal decomposition can lead to release of irritating and toxic gases and vapors. Nitrogen oxides (NO<sub>x</sub>). Carbon oxides.

## 11. TOXICOLOGICAL INFORMATION

**Information on likely routes of exposure**

<b>Product Information</b>	Acute Oral LD50 (rat): 55 - 174 mg/kg Acute Dermal LD50 (rabbit): > 2000 mg/kg Eye Irritation (rabbit): Corrosive. Skin Irritation (rabbit): Mild irritant. Inhalation LC50 (rat): 0.053 - 0.35 mg/L (4 HR) Skin Sensitization (guinea pig): Not a sensitizer
<b>Inhalation</b>	May be fatal if inhaled.
<b>Eye contact</b>	Corrosive to the eyes and may cause severe damage including blindness. Inhalation, ingestion, or skin absorption of methanol can cause blindness.
<b>Skin contact</b>	Harmful in contact with skin. May be absorbed through the skin in harmful amounts.
<b>Ingestion</b>	May be fatal if swallowed.

**Component Information** Inhalation, ingestion, or skin absorption of methanol can cause blindness

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Other ingredients	> 90 mL/kg ( Rat )	-	-
Methomyl 16752-77-5	= 51 mg/kg ( Rat ) = 12 mg/kg ( Rat )	= 1050 mg/kg ( Rat ) = 1000 mg/kg ( Rat ) = 556 mg/kg ( Rabbit )	= 77 ppm ( Rat ) 4 h
Cyclohexanone 108-94-1	= 1544 mg/kg ( Rat )	= 947 mg/kg ( Rabbit )	= 8000 ppm ( Rat ) 4 h
Methyl alcohol 67-56-1	= 6200 mg/kg ( Rat )	= 15800 mg/kg ( Rabbit )	= 22500 ppm ( Rat ) 8 h = 64000 ppm ( Rat ) 4 h

**Information on toxicological effects**

<b>Symptoms</b>	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. Inhalation of high vapor concentrations may cause symptoms like headache, dizziness, tiredness, nausea and vomiting. May result in permanent damage including blindness.
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**Delayed and immediate effects as well as chronic effects from short and long-term exposure**

<b>Sensitization</b>	Based on available data, the classification criteria are not met.
<b>Germ cell mutagenicity</b>	Based on available data, the classification criteria are not met.
<b>Carcinogenicity</b>	The table below indicates whether each agency has listed any ingredient as a carcinogen.

Chemical Name	ACGIH	IARC	NTP	OSHA
Methomyl 16752-77-5	-	Group 2A	-	X
Cyclohexanone 108-94-1	A3	Group 3	-	-

**ACGIH (American Conference of Governmental Industrial Hygienists)**

A3 - Animal Carcinogen

**IARC (International Agency for Research on Cancer)**

Group 2A - Probably Carcinogenic to Humans

Not classifiable as a human carcinogen

**OSHA (Occupational Safety and Health Administration of the US Department of Labor)**

X - Present

<b>Reproductive toxicity</b>	Based on available data, the classification criteria are not met.
<b>STOT - single exposure</b>	Specific target organ toxicity (STOT) - single exposure, category 1. Target Organs. Eyes. Central nervous system.
<b>STOT - repeated exposure</b>	Based on available data, the classification criteria are not met.

**Chronic toxicity** Avoid repeated exposure. May cause adverse effects on the bone marrow and blood-forming system. May cause adverse liver effects.

<b>Target Organ Effects</b>	Central nervous system, Central Vascular System (CVS), Eyes, Gastrointestinal tract (GI), Respiratory system, blood, kidney, liver.
<b>Aspiration hazard</b>	Based on available data, the classification criteria are not met.

**Numerical measures of toxicity - Product Information**

The following values are calculated based on chapter 3.1 of the GHS document .

<b>ATEmix (oral)</b>	40.00 mg/kg
<b>ATEmix (dermal)</b>	912.00 mg/kg
<b>ATEmix (inhalation-dust/mist)</b>	2.80 mg/l
<b>ATEmix (inhalation-vapor)</b>	28,306.00 mg/l

**12. ECOLOGICAL INFORMATION****Ecotoxicity**

Very toxic to aquatic life with long lasting effects

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.

36 % of the mixture consists of component(s) of unknown hazards to the aquatic environment

Chemical Name	Algae/aquatic plants	Fish	Crustacea
Methomyl 16752-77-5	-	2.11: 96 h Pimephales promelas mg/L LC50 flow-through 1.2: 96 h Oncorhynchus mykiss mg/L LC50 static 0.71: 96 h Lepomis macrochirus mg/L LC50 static	0.0041 - 0.019: 48 h Daphnia magna mg/L EC50 Static
Cyclohexanone 108-94-1	20: 96 h Chlorella vulgaris mg/L EC50	481 - 578: 96 h Pimephales promelas mg/L LC50 flow-through 8.9: 96 h Pimephales promelas mg/L LC50	800: 24 h Daphnia magna mg/L EC50
Methyl alcohol 67-56-1	-	100: 96 h Pimephales promelas mg/L LC50 static 28200: 96 h Pimephales promelas mg/L LC50 flow-through 19500 - 20700: 96 h Oncorhynchus mykiss mg/L LC50 flow-through 13500 - 17600: 96 h Lepomis macrochirus mg/L LC50 flow-through 18 - 20: 96 h Oncorhynchus mykiss mL/L LC50 static	-

**Persistence and degradability**

Not readily biodegradable.

**Bioaccumulation**

Not likely to bioaccumulate.



Chemical Name	Partition coefficient
Methomyl 16752-77-5	0.6
Cyclohexanone 108-94-1	0.86
Methyl alcohol 67-56-1	-0.77

**Other adverse effects**

This mixture contains no substance considered to be persistent, bioaccumulating nor toxic (PBT)

**13. DISPOSAL CONSIDERATIONS**

**Waste treatment methods**

**Disposal of wastes**

Pesticide wastes may be acutely hazardous. Improper disposal is a violation of federal law. Disposal should be in accordance with applicable regional, national and local laws and regulations. Contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste Representative at the nearest EPA Regional Office for guidance on proper disposal of waste product.

**Contaminated packaging**

Disposal should be in accordance with applicable regional, national and local laws and regulations. Consult product label for additional information. Do not reuse container.

**US EPA Waste Number**

D001 U154 P194 P066

Chemical Name	RCRA	RCRA - Basis for Listing	RCRA - D Series Wastes	RCRA - U Series Wastes
Methomyl 16752-77-5	P066	-	-	-
Cyclohexanone 108-94-1	-	Included in waste stream: F039	-	U057
Methyl alcohol 67-56-1	-	Included in waste stream: F039	-	U154

Chemical Name	RCRA - Halogenated Organic Compounds	RCRA - P Series Wastes	RCRA - F Series Wastes	RCRA - K Series Wastes
Methomyl 16752-77-5	-	P066	-	-

Chemical Name	California Hazardous Waste Status
Methomyl 16752-77-5	Toxic
Methyl alcohol 67-56-1	Toxic Ignitable

**14. TRANSPORT INFORMATION**

**DOT**

NOTE - For containers with a net quantity of 344 LBS or more, the descriptive text/designation "RQ" is required either before or after the shipping description.

<b>UN/ID no</b>	UN2991
<b>Proper shipping name</b>	Carbamate pesticides, liquid, toxic, flammable
<b>Hazard Class</b>	6.1
<b>Subsidiary class</b>	3
<b>Packing Group</b>	III
<b>Special Provisions</b>	B1, IB3, T7, TP2, TP28
<b>Description</b>	UN2991, Carbamate pesticides, liquid, toxic, flammable, 6.1 (3), III
<b>Emergency Response Guide Number</b>	131

**TDG**

<b>UN/ID no</b>	UN2991
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**Proper shipping name** Carbamate pesticide, liquid, toxic, flammable  
**Hazard Class** 6.1  
**Subsidiary class** 3  
**Packing Group** III  
**Description** UN2991, Carbamate pesticide, liquid, toxic, flammable (Methomyl, Methanol), 6.1 (3), III

**IATA**

**UN/ID no** UN2991  
**Proper shipping name** Carbamate pesticide, liquid, toxic, flammable  
**Hazard Class** 6.1  
**Subsidiary hazard class** 3  
**Packing Group** III  
**ERG Code** 6F  
**Special Provisions** A3, A4  
**Description** UN2991, Carbamate pesticide, liquid, toxic, flammable (Methomyl, Methanol), 6.1 (3), III

**IMDG**

**UN/ID no** UN2991  
**Proper shipping name** Carbamate pesticide, liquid, toxic, flammable  
**Hazard Class** 6.1  
**Subsidiary hazard class** 3  
**Packing Group** III  
**EmS-No** F-E, S-D  
**Special Provisions** 61, 223, 274  
**Description** UN2991, Carbamate pesticide, liquid, toxic, flammable (Methomyl, Methanol), 6.1 (3), III, (41°C c.c.), Marine Pollutant

<b>15. REGULATORY INFORMATION</b>
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**International Inventories**

<b>TSCA</b>	Complies
<b>DSL/NDSL</b>	Complies
<b>EINECS/ELINCS</b>	Complies
<b>IECSC</b>	Complies
<b>KECL</b>	Complies
<b>PICCS</b>	Complies
<b>AICS</b>	Complies

**Legend:**

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory  
**DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List  
**EINECS/ELINCS** - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances  
**ENCS** - Japan Existing and New Chemical Substances  
**IECSC** - China Inventory of Existing Chemical Substances  
**KECL** - Korean Existing and Evaluated Chemical Substances  
**PICCS** - Philippines Inventory of Chemicals and Chemical Substances  
**AICS** - Australian Inventory of Chemical Substances

**US Federal Regulations****SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

Chemical Name	SARA 313 - Threshold Values %
Methyl alcohol - 67-56-1	1.0

**SARA 311/312 Hazard Categories**

<b>Acute health hazard</b>	Yes
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<b>Chronic Health Hazard</b>	Yes
<b>Fire hazard</b>	No
<b>Sudden release of pressure hazard</b>	No
<b>Reactive Hazard</b>	No

**CWA (Clean Water Act)**

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

**CERCLA**

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302)

Chemical Name	Hazardous Substances RQs	CERCLA/SARA RQ	Reportable Quantity (RQ)
Methomyl 16752-77-5	100 lb	100 lb	RQ 100 lb final RQ RQ 45.4 kg final RQ
Cyclohexanone 108-94-1	5000 lb	-	RQ 5000 lb final RQ RQ 2270 kg final RQ
Methyl alcohol 67-56-1	5000 lb	-	RQ 5000 lb final RQ RQ 2270 kg final RQ

**US State Regulations**

**California Proposition 65**

This product contains the following Proposition 65 chemicals

Chemical Name	California Proposition 65
Methyl alcohol - 67-56-1	Developmental

**U.S. State Right-to-Know Regulations**

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Other ingredients	-	-	X
Methomyl 16752-77-5	X	X	X
Cyclohexanone 108-94-1	X	X	X
Methyl alcohol 67-56-1	X	X	X

**U.S. EPA Label Information**

EPA Pesticide Registration Number 83100-27

**EPA Statement**

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:

**Difference between SDS and EPA Pesticide label**

DANGER/POISON (Skull & Crossbones): 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.

**PHYSICAL AND CHEMICAL HAZARDS**

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.

**16. OTHER INFORMATION, INCLUDING DATE OF PREPARATION OF THE LAST REVISION**

<b>NFPA</b>	Health hazards 3	Flammability 2	Instability 0	Physical and Chemical Properties -
<b>HMIS</b>	Health hazards 3*	Flammability 2	Physical hazards 0	Personal protection X
<i>Chronic Hazard Star Legend</i>	* = Chronic Health Hazard			

Issue Date 30-Mar-2017

Revision Date 30-Mar-2017

**Revision Note**

No information available

**Disclaimer**

The information provided in this Material Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

**End of Safety Data Sheet**