



ILLOXAN® 3EC HERBICIDE

Version 3.0 / USA
102000003065

1/15
Revision Date: 08/14/2015
Print Date: 08/14/2015

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

Product identifier

Trade name ILLOXAN® 3EC HERBICIDE

Product code (UVP) 05944880

SDS Number 102000003065

EPA Registration No. 432-1231

Relevant identified uses of the substance or mixture and uses advised against

Use Herbicide

Restrictions on use See product label for restrictions.

Information on supplier

Supplier Bayer Environmental Science
2 T.W. Alexander Drive
Research Triangle PK, NC 27709
United States

Responsible Department Email: SDSINFO.BCS-NA@bayer.com

Emergency telephone no.

Emergency Telephone Number (24hr/ 7 days) 1-800-334-7577

Product Information Telephone Number 1-800-331-2867

SECTION 2: HAZARDS IDENTIFICATION

Classification in accordance with regulation HCS 29CFR §1910.1200

Serious eye damage: Category 1

Aspiration hazard: Category 1

Flammable liquids: Category 4

Acute toxicity(Oral): Category 4



Signal word: Danger

Hazard statements

Causes serious eye damage.

May be fatal if swallowed and enters airways.

Combustible liquid



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Harmful if swallowed.

Precautionary statements

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

Wear protective gloves and eye protection/face protection.

Wash thoroughly after handling.

Do not eat, drink or smoke when using this product.

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/doctor/physician.

IF SWALLOWED: Immediately call a POISON CENTER/doctor/physician.

Rinse mouth.

Do NOT induce vomiting.

In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish.

Store locked up.

Store in a well-ventilated place. Keep cool.

Dispose of contents/container in accordance with local regulation.

Other hazards

No other hazards known.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Component Name	CAS-No.	Concentration % by weight
Diclofop-methyl	51338-27-3	34.7
Cyclohexanone	108-94-1	10.0
1,2,4-Trimethylbenzene	95-63-6	10.1
Xylene	1330-20-7	6.00
Ethylbenzene	100-41-4	1.20
Solvent Naphtha (petroleum), heavy aromatic	64742-94-5	2.40
Naphthalene	91-20-3	0.38
Nonylphenol ethoxylate	9016-45-9	1.50
Solvent Naphtha (petroleum), light aromatic	64742-95-6	33.7

SECTION 4: FIRST AID MEASURES

Description of first aid measures

General advice

When possible, have the product container or label with you when calling a poison control center or doctor or going for treatment.

Inhalation

Move to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. Call a physician or poison control center immediately.

Skin contact

Take off contaminated clothing and shoes immediately. Wash off immediately with plenty of water for at least 15 minutes. Call a physician or poison control center immediately.

Eye contact

Hold eye open and rinse slowly and gently with water for 15-20 minutes.



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	Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a physician or poison control center immediately.
Ingestion	Call a physician or poison control center immediately. Rinse out mouth and give water in small sips to drink. DO NOT induce vomiting unless directed to do so by a physician or poison control center. Never give anything by mouth to an unconscious person. Do not leave victim unattended.
Most important symptoms and effects, both acute and delayed	
Symptoms	No symptoms known or expected.
Indication of any immediate medical attention and special treatment needed	
Risks	Contains hydrocarbon solvents. May pose an aspiration pneumonia hazard.
Treatment	Appropriate supportive and symptomatic treatment as indicated by the patient's condition is recommended. There is no specific antidote.

SECTION 5: FIREFIGHTING MEASURES

Extinguishing media

Suitable Water spray, Foam, Carbon dioxide (CO₂), Dry powder

Unsuitable None known.

Special hazards arising from the substance or mixture Dangerous gases are evolved in the event of a fire.

Advice for firefighters

Special protective equipment for fire-fighters Firefighters should wear NIOSH approved self-contained breathing apparatus and full protective clothing.

Further information Keep out of smoke. Fight fire from upwind position. Remove product from areas of fire, or otherwise cool containers with water in order to avoid pressure being built up due to heat. Do not allow run-off from fire fighting to enter drains or water courses.

Flash point 37.8 °C
Autoignition temperature no data available
Lower explosion limit no data available
Upper explosion limit no data available
Explosivity not applicable



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SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Precautions Isolate hazard area. Keep unauthorized people away. Remove all sources of ignition. Avoid contact with spilled product or contaminated surfaces.

Methods and materials for containment and cleaning up

Methods for cleaning up Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Collect and transfer the product into a properly labelled and tightly closed container. Clean contaminated floors and objects thoroughly, observing environmental regulations.

Additional advice Do not allow to enter soil, waterways or waste water canal. Do not allow product to contact non-target plants.

Reference to other sections Information regarding safe handling, see section 7.
Information regarding personal protective equipment, see section 8.
Information regarding waste disposal, see section 13.

SECTION 7: HANDLING AND STORAGE

Precautions for safe handling

Advice on safe handling Maintain exposure levels below the exposure limit through the use of general and local exhaust ventilation. Handle and open container in a manner as to prevent spillage.

Advice on protection against fire and explosion Keep away from heat and sources of ignition.

Hygiene measures Wash hands thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, using the toilet or applying cosmetics.
Remove Personal Protective Equipment (PPE) immediately after handling this product. Before removing gloves clean them with soap and water. Remove soiled clothing immediately and clean thoroughly before using again. Wash thoroughly and put on clean clothing.

Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers Store in a cool, dry place and in such a manner as to prevent cross contamination with other crop protection products, fertilizers, food, and feed. Store in original container and out of the reach of children, preferably in a locked storage area.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Components	CAS-No.	Control parameters	Update	Basis
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Diclofop-methyl	51338-27-3	0.12 mg/m3 (SK-SEN)		OES BCS*
Cyclohexanone	108-94-1	50 ppm (STEL)	02 2012	ACGIH
Cyclohexanone	108-94-1	20 ppm (TWA)	02 2012	ACGIH
Cyclohexanone	108-94-1	100 mg/m3/25 ppm (REL)	2010	NIOSH
Cyclohexanone	108-94-1	200 mg/m3/50 ppm (PEL)	02 2006	OSHA Z1
Cyclohexanone	108-94-1	100 mg/m3/25 ppm (TWA)	1989	OSHA Z1A
Cyclohexanone	108-94-1	100 mg/m3/25 ppm (TWA)	06 2008	TN OEL
Cyclohexanone	108-94-1	80ug/m3 (AN ESL)	07 2011	TX ESL
Cyclohexanone	108-94-1	480ug/m3 (ST ESL)	07 2011	TX ESL
Cyclohexanone	108-94-1	120ppb (ST ESL)	07 2011	TX ESL
Cyclohexanone	108-94-1	20ppb (AN ESL)	07 2011	TX ESL
Cyclohexanone	108-94-1	100 mg/m3/25 ppm (TWA PEL)	08 2010	US CA OEL
1,2,4-Trimethylbenzene	95-63-6	25 ppm (TWA)	02 2012	ACGIH
1,2,4-Trimethylbenzene	95-63-6	125 mg/m3/25 ppm (REL)	2010	NIOSH
1,2,4-Trimethylbenzene	95-63-6	125 mg/m3/25 ppm (TWA)	1989	OSHA Z1A
1,2,4-Trimethylbenzene	95-63-6	125 mg/m3/25 ppm (TWA)	06 2008	TN OEL
1,2,4-Trimethylbenzene	95-63-6	25ppb (AN ESL)	07 2011	TX ESL
1,2,4-Trimethylbenzene	95-63-6	140ppb (ST ESL)	02 2013	TX ESL
1,2,4-Trimethylbenzene	95-63-6	125ug/m3 (AN ESL)	07 2011	TX ESL
1,2,4-Trimethylbenzene	95-63-6	700ug/m3 (ST ESL)	02 2013	TX ESL
1,2,4-Trimethylbenzene	95-63-6	125 mg/m3/25 ppm (TWA PEL)	08 2010	US CA OEL
Xylene	1330-20-7	100 ppm (TWA)	02 2012	ACGIH
Xylene	1330-20-7	150 ppm (STEL)	02 2012	ACGIH
Xylene	1330-20-7	435 mg/m3/100 ppm (REL)	2010	NIOSH



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Xylene	1330-20-7	655 mg/m3/150 ppm (STEL)	2010	NIOSH
Xylene	1330-20-7	435 mg/m3/100 ppm (REL)	2010	NIOSH
Xylene	1330-20-7	655 mg/m3/150 ppm (STEL)	2010	NIOSH
Xylene	1330-20-7	435 mg/m3/100 ppm (REL)	2010	NIOSH
Xylene	1330-20-7	655 mg/m3/150 ppm (STEL)	2010	NIOSH
Xylene	1330-20-7	435 mg/m3/100 ppm (PEL)	02 2006	OSHA Z1
Xylene	1330-20-7	655 mg/m3/150 ppm (STEL)	1989	OSHA Z1A
Xylene	1330-20-7	435 mg/m3/100 ppm (TWA)	1989	OSHA Z1A
Xylene	1330-20-7	655 mg/m3/150 ppm (STEL)	06 2008	TN OEL
Xylene	1330-20-7	435 mg/m3/100 ppm (TWA)	06 2008	TN OEL
Xylene	1330-20-7	42ppb (AN ESL)	07 2011	TX ESL
Xylene	1330-20-7	350ug/m3 (ST ESL)	07 2011	TX ESL
Xylene	1330-20-7	180ug/m3 (AN ESL)	07 2011	TX ESL
Xylene	1330-20-7	80ppb (ST ESL)	07 2011	TX ESL
Xylene	1330-20-7	435 mg/m3/100 ppm (TWA PEL)	08 2010	US CA OEL
Xylene	1330-20-7	300 ppm (CEILING)	08 2010	US CA OEL
Xylene	1330-20-7	655 mg/m3/150 ppm (STEL)	08 2010	US CA OEL
Xylene	1330-20-7	100 ppm (TWA)		OES BCS*
Ethylbenzene	100-41-4	20 ppm (TWA)	02 2012	ACGIH
Ethylbenzene	100-41-4	435 mg/m3/100 ppm (REL)	2010	NIOSH
Ethylbenzene	100-41-4	545 mg/m3/125 ppm (STEL)	2010	NIOSH
Ethylbenzene	100-41-4	435 mg/m3/100 ppm (PEL)	02 2006	OSHA Z1
Ethylbenzene	100-41-4	435 mg/m3/100 ppm (TWA)	1989	OSHA Z1A
Ethylbenzene	100-41-4	545 mg/m3/125 ppm (STEL)	1989	OSHA Z1A



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Ethylbenzene	100-41-4	435 mg/m3/100 ppm (TWA)	06 2008	TN OEL
Ethylbenzene	100-41-4	545 mg/m3/125 ppm (STEL)	06 2008	TN OEL
Ethylbenzene	100-41-4	570ug/m3 (AN ESL)	07 2011	TX ESL
Ethylbenzene	100-41-4	740ug/m3 (ST ESL)	07 2011	TX ESL
Ethylbenzene	100-41-4	170ppb (ST ESL)	07 2011	TX ESL
Ethylbenzene	100-41-4	135ppb (AN ESL)	07 2011	TX ESL
Ethylbenzene	100-41-4	130 mg/m3/30 ppm (STEL)	09 2013	US CA OEL
Ethylbenzene	100-41-4	22 mg/m3/5 ppm (TWA PEL)	09 2013	US CA OEL
Solvent Naphtha (petroleum), heavy aromatic	64742-94-5	2560ug/m3 (ST ESL)	07 2011	TX ESL
Solvent Naphtha (petroleum), heavy aromatic	64742-94-5	460ppb (ST ESL)	07 2011	TX ESL
Solvent Naphtha (petroleum), heavy aromatic	64742-94-5	256ug/m3 (AN ESL)	07 2011	TX ESL
Solvent Naphtha (petroleum), heavy aromatic	64742-94-5	46ppb (AN ESL)	07 2011	TX ESL
Solvent Naphtha (petroleum), heavy aromatic	64742-94-5	1,600 mg/m3/400 ppm (TWA PEL)	08 2010	US CA OEL
Naphthalene	91-20-3	10 ppm (TWA)	02 2012	ACGIH
Naphthalene	91-20-3	50 mg/m3/10 ppm (REL)	2010	NIOSH
Naphthalene	91-20-3	75 mg/m3/15 ppm (STEL)	2010	NIOSH
Naphthalene	91-20-3	50 mg/m3/10 ppm (PEL)	02 2006	OSHA Z1
Naphthalene	91-20-3	75 mg/m3/15 ppm (STEL)	1989	OSHA Z1A
Naphthalene	91-20-3	50 mg/m3/10 ppm (TWA)	1989	OSHA Z1A
Naphthalene	91-20-3	50 mg/m3/10 ppm (TWA)	06 2008	TN OEL
Naphthalene	91-20-3	75 mg/m3/15 ppm (STEL)	06 2008	TN OEL
Naphthalene	91-20-3	50ug/m3 (AN ESL)	07 2011	TX ESL
Naphthalene	91-20-3	200ug/m3 (ST ESL)	02 2013	TX ESL
Naphthalene	91-20-3	38ppb (ST ESL)	02 2013	TX ESL



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Naphthalene	91-20-3	10ppb (AN ESL)	07 2011	TX ESL
Naphthalene	91-20-3	0.5 mg/m3/0.1 ppm (TWA PEL)	10 2014	US CA OEL
Naphthalene	91-20-3	10 ppm (TWA)		OES BCS*
Nonylphenol ethoxylate	9016-45-9	60ug/m3 (AN ESL)	07 2011	TX ESL
Nonylphenol ethoxylate	9016-45-9	600ug/m3 (ST ESL)	07 2011	TX ESL
Nonylphenol ethoxylate	9016-45-9	24ppb (ST ESL)	07 2011	TX ESL
Nonylphenol ethoxylate	9016-45-9	2.4ppb (AN ESL)	07 2011	TX ESL
Solvent Naphtha (petroleum), light aromatic	64742-95-6	1250ug/m3 (ST ESL)	07 2011	TX ESL
Solvent Naphtha (petroleum), light aromatic	64742-95-6	125ug/m3 (AN ESL)	07 2011	TX ESL
Solvent Naphtha (petroleum), light aromatic	64742-95-6	250ppb (ST ESL)	07 2011	TX ESL
Solvent Naphtha (petroleum), light aromatic	64742-95-6	25ppb (AN ESL)	07 2011	TX ESL

*OES BCS: Internal Bayer CropScience "Occupational Exposure Standard"

Exposure controls

Personal protective equipment

In normal use and handling conditions please refer to the label and/or leaflet. In all other cases the following recommendations would apply.

Respiratory protection

When respirators are required, select NIOSH approved equipment based on actual or potential airborne concentrations and in accordance with the appropriate regulatory standards and/or industry recommendations.

Hand protection

Chemical resistant nitrile rubber gloves

Eye protection

Safety glasses, in case of increased risk, also a face shield

Skin and body protection

Wear long-sleeved shirt and long pants and shoes plus socks. Chemical resistant apron when cleaning equipment, mixing or loading.

General protective measures

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and warm/tepid water.
Keep and wash PPE separately from other laundry.



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SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	brown
Physical State	Liquid
Odor	aromatic
Odour Threshold	no data available
pH	4.9 at 1 %
Vapor Pressure	no data available
Vapor Density (Air = 1)	no data available
Density	1.03 g/cm ³ at 20 °C
Evaporation rate	no data available
Boiling Point	80 °C / 176 °F
Melting / Freezing Point	no data available
Water solubility	emulsifiable
Minimum Ignition Energy	not applicable
Decomposition temperature	not applicable
Partition coefficient: n-octanol/water	no data available
Viscosity	6.8 mPa.s at 20 °C
Flash point	37.8 °C
Autoignition temperature	no data available
Lower explosion limit	no data available
Upper explosion limit	no data available
Explosivity	not applicable

SECTION 10: STABILITY AND REACTIVITY

Reactivity	
Thermal decomposition	not applicable
Chemical stability	Stable under recommended storage conditions.
Possibility of hazardous reactions	No hazardous reactions when stored and handled according to prescribed instructions.



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Conditions to avoid	Heat, flames and sparks.
Incompatible materials	Strong acids, Strong bases, Strong oxidizing agents
Hazardous decomposition products	No decomposition products expected under normal conditions of use.

SECTION 11: TOXICOLOGICAL INFORMATION

Exposure routes	Eye contact, Skin Absorption, Inhalation, Ingestion
Immediate Effects	
Eye	Corrosive - causes irreversible eye damage.

Information on toxicological effects

Acute oral toxicity	LD50 (male rat) 2,870 mg/kg LD50 (female rat) 2,000 - 2,500 mg/kg
Acute inhalation toxicity	LC50 (rat) > 4.9 mg/l Exposure time: 4 h Determined in the form of liquid aerosol. LC50 (rat) > 19.6 mg/l Exposure time: 1 h Determined in the form of liquid aerosol. Extrapolated from the 4 hr LC50.
Acute dermal toxicity	LD50 (rat) > 2,000 mg/kg
Skin irritation	Moderate skin irritation. (rabbit)
Eye irritation	Corrosive - causes irreversible eye damage. (rabbit)
Sensitisation	Non-sensitizing. (guinea pig)

Assessment repeated dose toxicity

Diclofop-methyl did not cause specific target organ toxicity in experimental animal studies.

Assessment mutagenicity

Diclofop-methyl was not mutagenic or genotoxic in a battery of in vitro and in vivo tests.

Assessment carcinogenicity

Diclofop-methyl caused at high dose levels an increased incidence of tumours in the following organ(s): liver. The tumours seen with Diclofop-methyl were caused through peroxisome proliferation. The mechanism that triggers tumours in rodents and the type of tumours observed are not relevant to humans.

ACGIH

Cyclohexanone	108-94-1	Group A3
Xylene	1330-20-7	Group A4
Ethylbenzene	100-41-4	Group A3



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Naphthalene	91-20-3	Group A3
NTP		
Naphthalene	91-20-3	
IARC		
Diclofop-methyl	51338-27-3	Overall evaluation: 2B
Cyclohexanone	108-94-1	Overall evaluation: 3
Xylene	1330-20-7	Overall evaluation: 3
Ethylbenzene	100-41-4	Overall evaluation: 2B
Naphthalene	91-20-3	Overall evaluation: 2B
OSHA		
None.		

Assessment toxicity to reproduction

Diclofop-methyl did not cause reproductive toxicity in a two-generation study in rats.
No indications of reprotoxic effects were observed in reproduction studies in animals.

Assessment developmental toxicity

Diclofop-methyl caused developmental toxicity only at dose levels toxic to the dams. The developmental effects seen with Diclofop-methyl are related to maternal toxicity.
No indication of developmental toxicity in animal tests.

Further information

Only acute toxicity studies have been performed on the formulated product.
The non-acute information pertains to the active ingredient(s).

SECTION 12: ECOLOGICAL INFORMATION

Toxicity to fish	LC50 (Lepomis macrochirus (Bluegill sunfish)) 0.15 mg/l Exposure time: 96 h The value mentioned relates to the active ingredient diclofop-methyl.
	LC50 (Oncorhynchus mykiss (rainbow trout)) 0.23 mg/l static test; Exposure time: 96 h The value mentioned relates to the active ingredient diclofop-methyl.
Toxicity to aquatic invertebrates	EC50 (Daphnia magna (Water flea)) 0.23 mg/l Exposure time: 48 h The value mentioned relates to the active ingredient diclofop-methyl.
Toxicity to aquatic plants	EC50 (Raphidocelis subcapitata (freshwater green alga)) 0.53 mg/l Exposure time: 120 h The value mentioned relates to the active ingredient diclofop-methyl.
	EC50 (Anabaena flos-aquae (cyanobacterium)) > 2.6 mg/l Exposure time: 72 h The value mentioned relates to the active ingredient diclofop-methyl.



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	Tested up to its maximum solubility.
Biodegradability	Not readily biodegradable.
Biodegradability	Diclofop-methyl: not rapidly biodegradable
Koc	Diclofop-methyl: Koc: 20819
Bioaccumulation	Diclofop-methyl: Bioconcentration factor (BCF) 240 Does not bioaccumulate.
Mobility in soil	Diclofop-methyl: Immobile in soil
Environmental precautions	Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark. Do not apply when weather conditions favor runoff or drift. Do not contaminate surface or ground water by cleaning equipment or disposal of wastes, including equipment wash water. Apply this product as specified on the label.

SECTION 13: DISPOSAL CONSIDERATIONS

Waste treatment methods

Product	Do not contaminate water, food, or feed by disposal. Dispose in accordance with all local, state/provincial and federal regulations. Follow advice on product label and/or leaflet.
Contaminated packaging	Triple rinse containers. Then offer for recycling or reconditioning or puncture and dispose of in a sanitary landfill or incineration, or if allowed by State and Local authorities, by burning. If burned, stay out of smoke. Follow advice on product label and/or leaflet.
RCRA Information	Characterization and proper disposal of this material as a special or hazardous waste is dependent upon Federal, State and local laws and are the user's responsibility. RCRA classification may apply.

SECTION 14: TRANSPORT INFORMATION

49CFR

NA-Number	1993
Packaging group	III
Proper shipping name	COMBUSTIBLE LIQUID, N.O.S. (XYLENE, CYCLOHEXANONE)
RQ	Reportable Quantity is reached with 1,666 lb of product.

IMDG

UN number	1993
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Bayer Environmental Science

SAFETY DATA SHEET



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Class	3
Packaging group	III
Marine pollutant	YES
Proper shipping name	FLAMMABLE LIQUID, N.O.S. (XYLENES, CYCLOHEXANONE SOLUTION)

IATA

UN number	1993
Class	3
Packaging group	III
Environm. Hazardous Mark	NO
Proper shipping name	FLAMMABLE LIQUID, N.O.S. (XYLENES, CYCLOHEXANONE SOLUTION)

This transportation information is not intended to convey all specific regulatory information relating to this product. It does not address regulatory variations due to package size or special transportation requirements.

Freight Classification:	COMPOUNDS, TREE OR WEEDKILLING, N.O.I., other than poison; HAVING A DENSITY OF GREATER THAN 20 LBS. PER CUBIC FOOT
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SECTION 15: REGULATORY INFORMATION

EPA Registration No. 432-1231

US Federal Regulations

TSCA list

Cyclohexanone	108-94-1
1,2,4-Trimethylbenzene	95-63-6
Xylene	1330-20-7
Ethylbenzene	100-41-4
Solvent Naphtha (petroleum), heavy aromatic	64742-94-5
Naphthalene	91-20-3
Nonylphenol ethoxylate	9016-45-9
Solvent Naphtha (petroleum), light aromatic	64742-95-6

US. Toxic Substances Control Act (TSCA) Section 12(b) Export Notification (40 CFR 707, Subpt D)

Nonylphenol ethoxylate	9016-45-9
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SARA Title III - Section 302 - Notification and Information

None.

SARA Title III - Section 313 - Toxic Chemical Release Reporting

Diclofop-methyl	51338-27-3	
1,2,4-Trimethylbenzene	95-63-6	1.0%
Xylene	1330-20-7	1.0%
Ethylbenzene	100-41-4	0.1%
Naphthalene	91-20-3	
Nonylphenol ethoxylate	9016-45-9	25,000lbs

US States Regulatory Reporting



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CA Prop65

This product contains a chemical known to the State of California to cause cancer.

Diclofop-methyl	51338-27-3
Ethylbenzene	100-41-4
Naphthalene	91-20-3

This product contains a chemical known to the State of California to cause birth defects or other reproductive harm.

Diclofop-methyl	51338-27-3	Developmental toxin.
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US State Right-To-Know Ingredients

Diclofop-methyl	51338-27-3	CA, MN, NJ, RI
Cyclohexanone	108-94-1	CA, CT, IL, MN, NJ, RI
1,2,4-Trimethylbenzene	95-63-6	CA, MN, NJ, RI
Xylene	1330-20-7	CA, CT, IL, MI, MN, NJ, RI
Ethylbenzene	100-41-4	CA, CT, IL, MN, NJ, RI
Naphthalene	91-20-3	CA, CT, IL, MN, NJ, RI
Nonylphenol ethoxylate	9016-45-9	IL, NJ, RI

Canadian Regulations

Canadian Domestic Substance List

None.

Environmental

CERCLA

Cyclohexanone	108-94-1	
Xylene	1330-20-7	
Ethylbenzene	100-41-4	
Naphthalene	91-20-3	100 lbs
Nonylphenol ethoxylate	9016-45-9	

Clean Water Section 307 Priority Pollutants

Ethylbenzene	100-41-4
Naphthalene	91-20-3

Safe Drinking Water Act Maximum Contaminant Levels

Xylene	1330-20-7
Ethylbenzene	100-41-4
Naphthalene	91-20-3

EPA/FIFRA Information:

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 required on the pesticide label:

Signal word: Danger!

Hazard statements: Corrosive - causes irreversible eye damage.
Do not get in eyes, on skin, or on clothing.



ILLOXAN® 3EC HERBICIDE

Version 3.0 / USA
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SECTION 16: OTHER INFORMATION

Abbreviations and acronyms

49CFR	Code of Federal Regulations, Title 49
ACGIH	US. ACGIH Threshold Limit Values
CAS-Nr.	Chemical Abstracts Service number
EINECS	European inventory of existing commercial substances
ELINCS	European list of notified chemical substances
IARC	US. IARC Monographs on Occupational Exposures to Chemical Agents
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods
N.O.S.	Not otherwise specified
NTP	US. National Toxicology Program (NTP) Report on Carcinogens
OECD	Organization for Economic Co-operation and Development
TDG	Transportation of Dangerous Goods
TWA	Time weighted average
UN	United Nations
WHO	World health organisation

NFPA 704 (National Fire Protection Association):

Health - 2 Flammability - 2 Instability - 0 Others - none

HMIS (Hazardous Materials Identification System, based on the Third Edition Ratings Guide)

Health - 3 Flammability - 2 Physical Hazard - 0 PPE -

0 = minimal hazard, 1 = slight hazard, 2 = moderate hazard, 3 = severe hazard, 4 = extreme hazard

Reason for Revision: Revised according to the current OSHA Hazard Communication Standard (29CFR1910.1200)

Revision Date: 08/14/2015

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