

Eclipse-D

Safety Data Sheet

according to the Hazardous Products Regulation (February 11, 2015)

SECTION 1: Identification

1.1. Product identifier

Product form : Mixture
Product name : Eclipse-D
Product code : M701949
Product group : Trade product
Other means of identification : Dicyandiamide blend

1.2. Recommended use and restrictions on use

No additional information available

1.3. Supplier

Simplot Canada (II) Limited
P.O. Box 1180
Portage LaPrairie, MB R1N 319

1.4. Emergency telephone number

Emergency number : CHEMTREC 1-800-424-9300

SECTION 2: Hazard identification

2.1. Classification of the substance or mixture

Classification (GHS CA)

Not classified

2.2. GHS Label elements, including precautionary statements

GHS CA labelling

Hazard pictograms (GHS CA) :



Signal word (GHS CA) :

Warning

Hazard statements (GHS CA) :

H315+H320 - Causes skin and eye irritation

Precautionary statements (GHS CA) :

P264 - Wash hands thoroughly after handling.
P280 - Wear eye protection, face protection.
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

2.3. Other hazards

No additional information available

2.4. Unknown acute toxicity (GHS CA)

No data available

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Chemical name / Synonyms	Product identifier	%	Classification (GHS CA)
Dicyandiamide	1-cyanoguanidine / 2-cyanoguanidine / ACR-H 3636 / araldite HT 986 / araldite XB 2879B / araldite XB 2979B / bakelite VE 2560 / cyano-1 guanidine / dicy(=cyanoguanidine) / dicyandiamide / dicyandiamido / dicyandiamin / dicyanodiamide / epicure DICY 15 / epicure DICY 7 / guanidine, cyano- / N-cyanoguanidine / param / XB 2879B	(CAS-No.) 461-58-5	15 - 40	Not classified

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

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SECTION 4: First-aid measures

4.1. Description of first aid measures

First-aid measures after inhalation	: Remove person to fresh air and keep comfortable for breathing. Get medical advice/attention.
First-aid measures after skin contact	: Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse. If skin irritation or rash occurs: seek medical attention. . Wash contaminated clothing before reuse.
First-aid measures after eye contact	: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Consult an ophthalmologist if irritation persists.
First-aid measures after ingestion	: Rinse mouth with water. Specific treatment (see Drink 1 or 2 glasses of water. on this label). Do NOT induce vomiting. Get medical advice/attention.
First-aid measures general	: Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

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

Symptoms/effects after inhalation	: Irritation of the nasal mucous membranes. Irritation of the respiratory tract.
Symptoms/effects after skin contact	: Contact during a long period may cause light irritation.
Symptoms/effects after eye contact	: Redness of the eye tissue. Eye irritation.
Symptoms/effects after ingestion	: Irritation of the gastric/intestinal mucosa.

4.3. Immediate medical attention and special treatment, if necessary

Other medical advice or treatment	: Treat symptomatically.
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SECTION 5: Fire-fighting measures

5.1. Suitable extinguishing media

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

Unsuitable extinguishing media	: Solid water jet ineffective as extinguishing medium.
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5.3. Specific hazards arising from the hazardous product

Fire hazard	: Product will burn under fire conditions. Under fire conditions and at high temperatures, highly toxic fumes are emitted.
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5.4. Special protective equipment and precautions for fire-fighters

Firefighting instructions	: Exercise caution when fighting any chemical fire. Eliminate all ignition sources if safe to do so. Prevent fire fighting water from entering the environment.
Protection during firefighting	: Self-contained breathing apparatus. Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures	: Isolate from fire, if possible, without unnecessary risk. Eliminate every possible source of ignition.
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6.2. Methods and materials for containment and cleaning up

For containment	: Dam up the liquid spill. Contain released product, pump into suitable containers.
Methods for cleaning up	: Absorb spillage to prevent material damage. Take up liquid spill into absorbent material, e.g.: dry sand/earth/vermiculite or powdered limestone.
Other information	: Dispose of materials or solid residues at an authorized site.

6.3. Reference to other sections

For further information refer to section 8: "Exposure controls/personal protection"

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling	: Avoid breathing vapors/spray and contact with skin and eyes. . Provide local exhaust or general room ventilation. Observe normal hygiene standards.
Hygiene measures	: Do not eat, drink or smoke when using this product.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions	: Store in a dry place. Store in a closed container. Store in a well-ventilated place. Keep container tightly closed.
Storage area	: Store in a cool area. Store in a dry area. Store in a well-ventilated place.
Special rules on packaging	: Store in a closed container.

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SECTION 8: Exposure controls/personal protection

8.1. Control parameters

No additional information available

8.2. Appropriate engineering controls

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

8.3. Individual protection measures/Personal protective equipment

Hand protection:

Wear chemical resistant gloves. Be aware that the liquid may penetrate the gloves. Suitable gloves can be recommended by the manufacturer..

Eye protection:

Chemical goggles or safety glasses

Skin and body protection:

Wear suitable protective clothing

Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Appearance	: No data available
Colour	: Blue
Odour	: Bland
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butylacetate=1)	: No data available
Relative evaporation rate (ether=1)	: No data available
Melting point	: < 50 °C
Freezing point	: No data available
Boiling point	: No data available
Flash point	: > 100 °C
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: No data available
Vapour pressure	: No data available
Vapour pressure at 50 °C	: No data available
Relative density	: 1.159
Solubility	: Soluble.
Log Pow	: No data available
Explosive limits	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity	: Stable under normal conditions and use.
Chemical stability	: Product is stable at ambient temperature and pressure, under normal storage and handling conditions.
Possibility of hazardous reactions	: Hazardous polymerization does not occur.
Conditions to avoid	: No flames, no sparks. Eliminate all sources of ignition.
Incompatible materials	: Strong oxidizing agents. Ammonium nitrate, acid chlorides, chlorates and perchlorates causing fire and explosion hazard.
Hazardous decomposition products	: Carbon monoxide. Carbon dioxide. Nitrogen oxides. Hydrogen cyanide, ammonia. Sulfur oxides.

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SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral)	: Not classified
Acute toxicity (dermal)	: Not classified
Acute toxicity (inhalation)	: Not classified

Dicyandiamide (461-58-5)	
LD50 oral rat	> 5000 mg/kg (Rat)
LD50 dermal rabbit	> 2000 mg/kg (Rabbit)
LC50 inhalation rat (mg/l)	> 0.26 mg/l/4h (Rat)

Skin corrosion/irritation	: Not classified
Serious eye damage/irritation	: Not classified
Respiratory or skin sensitization	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified

Reproductive toxicity : Not classified

STOT-single exposure : Not classified

: Not classified

STOT-repeated exposure

Aspiration hazard : Not classified

Likely routes of exposure	: Ingestion. Inhalation. Skin and eyes contact.
Symptoms/effects after inhalation	: Irritation of the nasal mucous membranes. Irritation of the respiratory tract.
Symptoms/effects after skin contact	: Contact during a long period may cause light irritation.
Symptoms/effects after eye contact	: Redness of the eye tissue. Eye irritation.
Symptoms/effects after ingestion	: Irritation of the gastric/intestinal mucosa.

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general	: No environmental hazard.
Ecology - water	: Water soluble.
Hazardous to the aquatic environment, short-term (acute)	: Not classified
Hazardous to the aquatic environment, long-term (chronic)	: Not classified

Dicyandiamide (461-58-5)	
LC50 fish 1	7700 mg/l (96 h; Salmo gairdneri (Oncorhynchus mykiss); Cool water)
LC50 fish 2	7900 mg/l (96 h; Pisces)
EC50 Daphnia 1	3177 mg/l (48 h; Daphnia magna)
BCF fish 1	< 3.1 (Cyprinus carpio; Test duration: 6 weeks)
Log Pow	-1.5 (Experimental value)

12.2. Persistence and degradability

Eclipse-D	
Persistence and degradability	Not established.

Dicyandiamide (461-58-5)	
Persistence and degradability	Not readily biodegradable in water. Non degradable in the soil. Photodegradation in the air. Not established.
BOD (% of ThOD)	0.022 % ThOD

12.3. Bioaccumulative potential

Dicyandiamide (461-58-5)	
Bioaccumulative potential	Bioaccumulation: not applicable. Not established.
BCF fish 1	< 3.1 (Cyprinus carpio; Test duration: 6 weeks)
Log Pow	-1.5 (Experimental value)

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12.4. Mobility in soil

Dicyandiamide (461-58-5)

Log Pow	-1.5 (Experimental value)
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12.5. Other adverse effects

Ozone : Not classified

SECTION 13: Disposal considerations

13.1. Disposal methods

Product/Packaging disposal recommendations : Dispose in a safe manner in accordance with local/national regulations. Do not discharge into the sewer. Avoid release to the environment.

SECTION 14: Transport information

14.1. Basic shipping description

In accordance with TDG

Transportation of Dangerous Goods

Not regulated for transport

14.2. Transport information/DOT

Department of Transport

Not regulated for transport

14.3. Air and sea transport

IMDG

Not regulated for transport

IATA

Not regulated for transport

SECTION 15: Regulatory information

15.1. National regulations

Dicyandiamide (461-58-5)

Listed on the Canadian DSL (Domestic Substances List)

15.2. International regulations

Eclipse-D

Not listed on the United States TSCA (Toxic Substances Control Act) inventory

Dicyandiamide (461-58-5)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

SECTION 16: Other information

No data available

SDS Canada (GHS)

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.