

ERIONYL® RED B-10B-01

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	07/06/2017	400001006805	Date of first issue: 07/06/2017

SECTION 1. IDENTIFICATION

Product name : ERIONYL® RED B-10B-01

Manufacturer or supplier's details

Company name of supplier : Huntsman International LLC
Address : 2795 Slough Avenue
Mississauga, ON L4T 1G2,
Canada
Telephone : +1 905 678 9150

E-mail address of person responsible for the SDS : MSDS@huntsman.com

Emergency telephone number : Chemtrec: (800) 424-9300 or (703) 527-3887

Recommended use of the chemical and restrictions on use

Recommended use : Textile dyes, finishing and impregnating products; including bleaches and other processing aids

SECTION 2. HAZARDS IDENTIFICATION**GHS classification in accordance with the Hazardous Products Regulations**

Eye irritation : Category 2A

GHS label elements

Hazard pictograms :



Signal word : Warning

Hazard statements : H319 Causes serious eye irritation.

Precautionary statements : **Prevention:**
P264 Wash skin thoroughly after handling.
P280 Wear eye protection/ face protection.
Response:
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337 + P313 If eye irritation persists: Get medical advice/ attention.
Storage:
Not available
Disposal:
Not available

Other hazards

ERIONYL® RED B-10B-01

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	07/06/2017	400001006805	Date of first issue: 07/06/2017

None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

Hazardous components

Chemical name	CAS-No.	Concentration (% w/w)
sodium dodecyl sulphate	151-21-3	1 - 5

SECTION 4. FIRST AID MEASURES

General advice : Move out of dangerous area.
Show this safety data sheet to the doctor in attendance.
Do not leave the victim unattended.

If inhaled : If unconscious, place in recovery position and seek medical advice.
If symptoms persist, call a physician.

In case of skin contact : If skin irritation persists, call a physician.
If on skin, rinse well with water.
If on clothes, remove clothes.

In case of eye contact : Immediately flush eye(s) with plenty of water.
Remove contact lenses.
Protect unharmed eye.
Keep eye wide open while rinsing.
If eye irritation persists, consult a specialist.

If swallowed : Keep respiratory tract clear.
Do not give milk or alcoholic beverages.
Never give anything by mouth to an unconscious person.
If symptoms persist, call a physician.

Most important symptoms and effects, both acute and delayed : None known.

Notes to physician : Treat symptomatically.

SECTION 5. FIREFIGHTING MEASURES

Suitable extinguishing media : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media : High volume water jet

ERIONYL® RED B-10B-01

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	07/06/2017	400001006805	Date of first issue: 07/06/2017

- | | |
|---|---|
| Specific hazards during firefighting | : No data is available on the product itself. |
| Hazardous combustion products | : No hazardous combustion products are known |
| Specific extinguishing methods | : No data is available on the product itself. |
| Further information | : Standard procedure for chemical fires.
Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. |
| Special protective equipment for firefighters | : Wear self-contained breathing apparatus for firefighting if necessary. |

SECTION 6. ACCIDENTAL RELEASE MEASURES

- | | |
|---|--|
| Personal precautions, protective equipment and emergency procedures | : Use personal protective equipment.
Avoid dust formation.
Avoid breathing dust. |
| Environmental precautions | : Prevent further leakage or spillage if safe to do so. |
| Methods and materials for containment and cleaning up | : Neutralise with acid.
Keep in suitable, closed containers for disposal. |

SECTION 7. HANDLING AND STORAGE

- | | |
|---|--|
| Advice on protection against fire and explosion | : Avoid dust formation.
Provide appropriate exhaust ventilation at places where dust is formed. |
| Advice on safe handling | : Avoid formation of respirable particles.
Do not breathe vapours/dust.
Avoid contact with skin and eyes.
For personal protection see section 8.
Smoking, eating and drinking should be prohibited in the application area.
Dispose of rinse water in accordance with local and national regulations. |
| Conditions for safe storage | : Keep container tightly closed in a dry and well-ventilated place.
Electrical installations / working materials must comply with the technological safety standards. |
| Further information on storage stability | : Keep in a dry place. |

ERIONYL® RED B-10B-01

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	07/06/2017	400001006805	Date of first issue: 07/06/2017

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION**Components with workplace control parameters**

Contains no substances with occupational exposure limit values.

Personal protective equipment

Respiratory protection	: Use respiratory protection unless adequate local exhaust ventilation is provided or exposure assessment demonstrates that exposures are within recommended exposure guidelines
Filter type	: Particulates type
Hand protection	
Remarks	: The suitability for a specific workplace should be discussed with the producers of the protective gloves.
Eye protection	: Eye wash bottle with pure water Tightly fitting safety goggles Wear face-shield and protective suit for abnormal processing problems.
Skin and body protection	: Dust impervious protective suit Choose body protection according to the amount and concentration of the dangerous substance at the work place.
Hygiene measures	: When using do not eat or drink. When using do not smoke. Wash hands before breaks and at the end of workday.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	: powder
Colour	: red
Odour	: odourless
Odour Threshold	: No data is available on the product itself.
pH	: 10 - 10.7 Concentration: 20 g/l
Freezing point	: No data is available on the product itself.
Melting point	No data is available on the product itself.
Boiling point	No data is available on the product itself.
Flash point	: No data is available on the product itself.
Evaporation rate	: No data is available on the product itself.
Flammability (solid, gas)	: Not expected to form explosive dust-air mixtures.

ERIONYL® RED B-10B-01

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	07/06/2017	400001006805	Date of first issue: 07/06/2017

Flammability (liquids)	: No data is available on the product itself.
Upper explosion limit / Upper flammability limit	: No data is available on the product itself.
Lower explosion limit / Lower flammability limit	: No data is available on the product itself.
Vapour pressure	: No data is available on the product itself.
Relative vapour density	: No data is available on the product itself.
Relative density	: No data is available on the product itself.
Density	: 0.467 g/cm ³ Bulk density
Solubility(ies)	
Water solubility	: 20 g/l (30 °C)
Solubility in other solvents	: No data is available on the product itself.
Partition coefficient: n-octanol/water	: No data is available on the product itself.
Auto-ignition temperature	: No data is available on the product itself.
Thermal decomposition	: No data is available on the product itself.
Self-Accelerating decomposition temperature (SADT)	: No data is available on the product itself.
Viscosity	: No data is available on the product itself.
Explosive properties	: No data is available on the product itself.
Oxidizing properties	: No data is available on the product itself.
Particle size	: No data is available on the product itself.

SECTION 10. STABILITY AND REACTIVITY

Reactivity	: No dangerous reaction known under conditions of normal use.
Chemical stability	: Stable under normal conditions.
Possibility of hazardous reactions	: Dust may form explosive mixture in air. No decomposition if stored and applied as directed.
Conditions to avoid	: None known.
Incompatible materials	: None known.
Hazardous decomposition products	: No data available

ERIONYL® RED B-10B-01

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	07/06/2017	400001006805	Date of first issue: 07/06/2017

SECTION 11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure : No data is available on the product itself.

Acute toxicity

Acute oral toxicity - Product : LD50 (Rat): > 5,000 mg/kg

Acute inhalation toxicity - Product : Acute toxicity estimate: > 10 mg/l
Exposure time: 4 h
Test atmosphere: dust/mist
Method: Calculation method

Acute dermal toxicity : No data available

Acute toxicity (other routes of administration) : No data available

Skin corrosion/irritation**Components:**

sodium dodecyl sulphate:
Species: Rabbit
Assessment: Irritant
Method: OECD Test Guideline 404
Result: Irritating to skin.

Serious eye damage/eye irritation**Components:**

sodium dodecyl sulphate:
Species: Rabbit
Result: Severe eye irritation
Assessment: Corrosive
Method: OECD Test Guideline 405

Respiratory or skin sensitisation**Product:**

Exposure routes: Skin
Species: Guinea pig
Method: OECD Test Guideline 406
Result: Does not cause skin sensitisation.

Assessment: No data available

Germ cell mutagenicity**Components:**

sodium dodecyl sulphate:
Genotoxicity in vitro : Concentration: 0 - 5000 ug/plate
Metabolic activation: with and without metabolic activation

ERIONYL® RED B-10B-01

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	07/06/2017	400001006805	Date of first issue: 07/06/2017

Method: OECD Test Guideline 471
Result: negative

Components:

sodium dodecyl sulphate:
Genotoxicity in vivo

: Application Route: Oral
Dose: .0113 g/kg
Method: OECD Test Guideline 475
Result: negative

Application Route: Oral
Dose: 120 - 1200 mg/kg
Method: OECD Test Guideline 478
Result: negative

Carcinogenicity**Components:**

sodium dodecyl sulphate:
Species: Rat, (male and female)
Application Route: Oral
Exposure time: 24 month(s)
Dose: 1125 mg/kg
Frequency of Treatment: 7 daily
Method: OECD Test Guideline 453
Result: negative

Carcinogenicity - Assessment : No data available

ACGIH

No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

Reproductive toxicity**Components:**

sodium dodecyl sulphate:
Effects on fertility

: Species: Rat, male and female
Application Route: Oral
General Toxicity F1: No-observed-effect level: > 300 mg/kg body weight
Method: OECD Test Guideline 416
Result: negative

Components:

sodium dodecyl sulphate:
Effects on foetal development

: Species: Rat
Application Route: Oral
General Toxicity Maternal: No observed adverse effect level: 250 mg/kg body weight
Method: OECD Test Guideline 414
Result: No teratogenic effects

ERIONYL® RED B-10B-01

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	07/06/2017	400001006805	Date of first issue: 07/06/2017

Reproductive toxicity - : No data available
Assessment

STOT - single exposure**Components:**

sodium dodecyl sulphate:
Exposure routes: Inhalation
Target Organs: Respiratory Tract
Assessment: May cause respiratory irritation.

STOT - repeated exposure

No data available

Repeated dose toxicity**Components:**

sodium dodecyl sulphate:
Species: Mouse, male and female
NOEL: 5 %
Application Route: Skin contact
Exposure time: 2,160 h
Number of exposures: 2 d
Method: Subchronic toxicity

Species: Rat, male and female
NOAEL: 488 mg/kg/d
Application Route: Ingestion
Exposure time: 13 Weeks
Number of exposures: 7 d
Method: Subchronic toxicity

Species: Mouse, male and female
NOAEL: 400 mg/kg/d
Application Route: Skin contact
Exposure time: 2,160 h
Number of exposures: 2 d
Method: Subchronic toxicity

Species: Mouse, male and female
NOAEL: 10 %
Application Route: Skin contact
Method: OECD Test Guideline 411

Repeated dose toxicity - : No data available
Assessment

Aspiration toxicity

No data available

Experience with human exposure

ERIONYL® RED B-10B-01

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	07/06/2017	400001006805	Date of first issue: 07/06/2017

General Information: No data available

Inhalation: No data available

Skin contact: No data available

Eye contact: No data available

Ingestion: No data available

Toxicology, Metabolism, Distribution

No data available

Neurological effects

No data available

Further information

Ingestion: No data available

Other health hazards

No data available

SECTION 12. ECOLOGICAL INFORMATION**Ecotoxicity**

Toxicity to fish - Product : LC50: 450 mg/l
Exposure time: 48 h

Components:

sodium dodecyl sulphate:

Toxicity to daphnia and other : LC50 (Ceriodaphnia dubia (Water flea)): 5.55 mg/l
aquatic invertebrates
Exposure time: 48 h
Test Type: flow-through test
Test substance: Fresh water
Method: OECD Test Guideline 202

LC50: 3.15 - 3.8 mg/l
Exposure time: 48 h
Test Type: static test
Test substance: Marine water

Components:

sodium dodecyl sulphate:

Toxicity to algae : ErC50 (Desmodesmus subspicatus (green algae)): > 120 mg/l

ERIONYL® RED B-10B-01

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	07/06/2017	400001006805	Date of first issue: 07/06/2017

Exposure time: 72 h
 Test Type: static test
 Test substance: Fresh water
 Method: DIN 38412

M-Factor (Acute aquatic toxicity) : No data available

Components:

sodium dodecyl sulphate:
 Toxicity to fish (Chronic toxicity) : NOEC (Pimephales promelas (fathead minnow)): > 1.357 mg/l
 Exposure time: 42 d
 Test Type: flow-through test
 Test substance: Fresh water

Components:

sodium dodecyl sulphate:
 Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : NOEC (Ceriodaphnia dubia (Water flea)): 0.88 mg/l
 Exposure time: 7 d
 Test Type: flow-through test
 Test substance: Fresh water
 Method: OPPTS 850.1300

NOEC (Daphnia (water flea)): 0.684 mg/l
 Exposure time: 21 d
 Test Type: static test
 Test substance: Fresh water

M-Factor (Chronic aquatic toxicity) : No data available

Toxicity to microorganisms - Product : IC50: > 100 mg/l
 Exposure time: 3 h

Toxicity to soil dwelling organisms : No data available

Plant toxicity : No data available

Sediment toxicity : No data available

Toxicity to terrestrial organisms : No data available

Ecotoxicology Assessment
 Acute aquatic toxicity : No data available

Chronic aquatic toxicity : No data available

Toxicity Data on Soil : No data available

Other organisms relevant to the environment : No data available

ERIONYL® RED B-10B-01

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	07/06/2017	400001006805	Date of first issue: 07/06/2017

Persistence and degradability

Biodegradability - Product	: Biodegradation: 30 - 40 % Exposure time: 28 d Method: OECD Test Guideline 302B
Biochemical Oxygen Demand (BOD) - Product	: 0 mgO ₂ /g
Chemical Oxygen Demand (COD) - Product	: 880 mgO ₂ /g
BOD/COD	: No data available
ThOD	: No data available
BOD/ThOD	: No data available
Dissolved organic carbon (DOC)	: No data available
Physico-chemical removability	: No data available
Stability in water	: No data available
Photodegradation	: No data available
Impact on Sewage Treatment	: No data available

Bioaccumulative potential**Components:**

sodium dodecyl sulphate: Bioaccumulation	: Remarks: Does not bioaccumulate.
---	------------------------------------

Components:

sodium dodecyl sulphate: Partition coefficient: n-octanol/water	: log Pow: <= -2.03 (20 °C) Method: OECD Test Guideline 107
--	--

Mobility in soil

Mobility	: No data available
----------	---------------------

Components:

sodium dodecyl sulphate: Distribution among environmental compartments	: Koc: 316 - 446 Koc: 192.39
--	---------------------------------

Stability in soil	: No data available
-------------------	---------------------

Other adverse effects

ERIONYL® RED B-10B-01

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	07/06/2017	400001006805	Date of first issue: 07/06/2017

Environmental fate and pathways : No data available

Results of PBT and vPvB assessment : No data available

Endocrine disrupting potential : No data available

Adsorbed organic bound halogens (AOX) - Product : 0 %

Hazardous to the ozone layer

Ozone-Depletion Potential Not applicable

Additional ecological information : No data available

Global warming potential (GWP) : No data available

SECTION 13. DISPOSAL CONSIDERATIONS**Disposal methods**

Waste from residues : Do not dispose of waste into sewer.
Do not contaminate ponds, waterways or ditches with chemical or used container.
Send to a licensed waste management company.

Contaminated packaging : Empty remaining contents.
Dispose of as unused product.
Do not re-use empty containers.

SECTION 14. TRANSPORT INFORMATION**International Regulations****TDG**

Not regulated as dangerous goods

IATA

Not regulated as dangerous goods

IMDG

Not regulated as dangerous goods

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable for product as supplied.

ERIONYL® RED B-10B-01

Version 1.0	Revision Date: 07/06/2017	SDS Number: 400001006805	Date of last issue: - Date of first issue: 07/06/2017
----------------	------------------------------	-----------------------------	--

National Regulations**TDG**

Not regulated as dangerous goods

SECTION 15. REGULATORY INFORMATION**The components of this product are reported in the following inventories:**

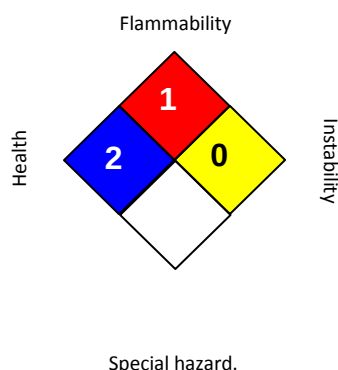
CH INV	: The formulation contains substances listed on the Swiss Inventory, On the inventory, or in compliance with the inventory
DSL	: All components of this product are on the Canadian DSL
AICS	: On the inventory, or in compliance with the inventory
NZIoC	: On the inventory, or in compliance with the inventory
ENCS	: On the inventory, or in compliance with the inventory
KECI	: On the inventory, or in compliance with the inventory
PICCS	: On the inventory, or in compliance with the inventory
IECSC	: On the inventory, or in compliance with the inventory
TCSI	: On the inventory, or in compliance with the inventory
TSCA	: On the inventory, or in compliance with the inventory

Inventories

AICS (Australia), DSL (Canada), IECSC (China), REACH (European Union), ENCS (Japan), ISHL (Japan), KECI (Korea), NZIoC (New Zealand), PICCS (Philippines), TCSI (Taiwan), TSCA (USA)

Canada. CEPA 1999 Significant New Activity (SNAc) List

No substances are subject to a Significant New Activity Notification.

SECTION 16. OTHER INFORMATION**Further information****NFPA:****HMIS® IV:**

HEALTH		2
FLAMMABILITY		1
PHYSICAL HAZARD		0

HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. The "*" represents a chronic hazard, while the "/" represents the absence of a chronic hazard.

Revision Date : 07/06/2017

ERIONYL® RED B-10B-01

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	07/06/2017	400001006805	Date of first issue: 07/06/2017

The information and recommendations in this publication are to the best of our knowledge, information and belief accurate at the date of publication, NOTHING HEREIN IS TO BE CONSTRUED AS A WARRANTY, EXPRESS OR OTHERWISE.

IN ALL CASES, IT IS THE RESPONSIBILITY OF THE USER TO DETERMINE THE APPLICABILITY OF SUCH INFORMATION AND RECOMMENDATIONS AND THE SUITABILITY OF ANY PRODUCT FOR ITS OWN PARTICULAR PURPOSE.

THE PRODUCT MAY PRESENT HAZARDS AND SHOULD BE USED WITH CAUTION. WHILE CERTAIN HAZARDS ARE DESCRIBED IN THIS PUBLICATION, NO GUARANTEE IS MADE THAT THESE ARE THE ONLY HAZARDS THAT EXIST.

Hazards, toxicity and behaviour of the products may differ when used with other materials and are dependent upon the manufacturing circumstances or other processes. Such hazards, toxicity and behaviour should be determined by the user and made known to handlers, processors and end users.

The trademarks above are the property of Huntsman Corporation or an affiliate thereof.

NO PERSON OR ORGANIZATION EXCEPT A DULY AUTHORIZED HUNTSMAN EMPLOYEE IS AUTHORIZED TO PROVIDE OR MAKE AVAILABLE DATA SHEETS FOR HUNTSMAN PRODUCTS. DATA SHEETS FROM UNAUTHORIZED SOURCES MAY CONTAIN INFORMATION THAT IS NO LONGER CURRENT OR ACCURATE.