

# Butralin Sucker Control

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

Date of issue: 09/06/2017 Version: 1.0

## SECTION 1: Identification

### 1.1. Identification

Product form : Mixture  
Product name : Butralin Sucker Control  
Other means of identification : EPA Reg. No. 33688-4-400

### 1.2. Recommended use and restrictions on use

Recommended use : Plant growth regulator  
Restrictions on use : Agriculture, For professional users only

### 1.3. Supplier

MacDermid Agricultural Solutions, Inc.  
245 Freight Street  
Waterbury, CT 06702 - USA  
T 1-866-761-9397  
[sds.request@arysta.com](mailto:sds.request@arysta.com)

### 1.4. Emergency telephone number

Emergency number : FOR 24-HOUR MEDICAL EMERGENCY ASSISTANCE CALL PROPHARMA: 1-866-303-6952  
or +1-651-603-3432  
FOR 24-HOUR CHEMICAL EMERGENCY (Spill, leaks, fire, exposure or accident) call  
CHEMTREC: 1-800-424-9300 or +1-703-527-3887

## SECTION 2: Hazard(s) identification

### 2.1. Classification of the substance or mixture

#### GHS-US classification

Flammable liquids, Category 4	H227	Combustible liquid
Serious eye damage/eye irritation, Category 1	H318	Causes serious eye damage
Germ cell mutagenicity, Category 2	H341	Suspected of causing genetic defects
Carcinogenicity, Category 2	H351	Suspected of causing cancer
Aspiration hazard, Category 1	H304	May be fatal if swallowed and enters airways
Hazardous to the aquatic environment — Acute Hazard, Category 1	H400	Very toxic to aquatic life
Hazardous to the aquatic environment — Chronic Hazard, Category 1	H410	Very toxic to aquatic life with long lasting effects

Full text of H statements : see section 16

### 2.2. GHS Label elements, including precautionary statements

#### GHS-US labelling

Hazard pictograms (GHS-US) :



GHS05

GHS08

GHS09

Signal word (GHS-US) :

Danger

Hazard statements (GHS-US) :

H227 - Combustible liquid  
H304 - May be fatal if swallowed and enters airways  
H318 - Causes serious eye damage  
H341 - Suspected of causing genetic defects  
H351 - Suspected of causing cancer  
H400 - Very toxic to aquatic life  
H410 - Very toxic to aquatic life with long lasting effects

Precautionary statements (GHS-US) :

P201 - Obtain special instructions before use

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P202 - Do not handle until all safety precautions have been read and understood  
P210 - Keep away from heat, sparks, open flames. - No smoking  
P273 - Avoid release to the environment  
P280 - Wear protective gloves, protective clothing, eye protection  
P301+P310 - If swallowed: Immediately call a doctor  
P305+P351+P338 - If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
P308+P313 - If exposed or concerned: Get medical advice/attention  
P310 - Immediately call a doctor  
P331 - Do NOT induce vomiting  
P370+P378 - In case of fire: Use carbon dioxide (CO<sub>2</sub>), foam, Dry chemical to extinguish  
P391 - Collect spillage  
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)

4% of the mixture consists of ingredient(s) of unknown acute toxicity (Inhalation (Dust/Mist))

## SECTION 3: Composition/information on ingredients

### 3.1. Substances

Not applicable

### 3.2. Mixtures

Name	Product identifier	%	GHS-US classification
Heavy Aromatic Naphtha Solvent	(CAS-No.) 64742-94-5	45 – 50	Flam. Liq. 4, H227 Asp. Tox. 1, H304
Butralin	(CAS-No.) 33629-47-9	37.3	Acute Tox. 4 (Oral), H302 Eye Irrit. 2A, H319 Muta. 2, H341 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
1,2,4-trimethylbenzene	(CAS-No.) 95-63-6	3 – 7	Flam. Liq. 3, H226 Acute Tox. 4 (Inhalation), H332 Skin Irrit. 2, H315 Eye Irrit. 2A, H319 Aquatic Chronic 2, H411
Surfactant	(CAS-No.) trade secret	3 – 4	Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Eye Dam. 1, H318 Aquatic Chronic 4, H413
Solvent naphtha (petroleum), light arom. (benzene < 0.1%)	(CAS-No.) 64742-95-6	1 – 2	Flam. Liq. 3, H226 STOT SE 3, H336 STOT SE 3, H335 Asp. Tox. 1, H304 Aquatic Chronic 2, H411
Naphthalene	(CAS-No.) 91-20-3	< 1	Acute Tox. 4 (Oral), H302 Carc. 2, H351 Aquatic Acute 1, H400 Aquatic Chronic 1, H410

\*Chemical name, CAS number and/or exact concentration have been withheld as a trade secret

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 : Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

First-aid measures after inhalation : Assure fresh air breathing. Allow the victim to rest.

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.

First-aid measures after eye contact : 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.

First-aid measures after ingestion : Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER or doctor/physician.

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

Symptoms/effects	: Suspected of causing cancer. Suspected of causing genetic defects.
Symptoms/effects after eye contact	: Causes serious eye damage.
Symptoms/effects after ingestion	: May be fatal if swallowed and enters airways.

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

Treat symptomatically.

## SECTION 5: Fire-fighting measures

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

Suitable extinguishing media	: Foam. Dry powder. Carbon dioxide. Water spray. Sand.
Unsuitable extinguishing media	: Do not use a heavy water stream.

### 5.2. Specific hazards arising from the chemical

Fire hazard	: Combustible liquid.
Explosion hazard	: May form flammable/explosive vapour-air mixture.
Reactivity	: No dangerous reactions known.

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

Firefighting instructions	: Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire fighting water from entering the environment.
Protection during firefighting	: 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	: Remove ignition sources. Use special care to avoid static electric charges. No open flames. No smoking. Avoid all eye and skin contact and do not breathe vapour and mist. Use personal protective equipment as required.
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#### 6.1.1. For non-emergency personnel

Protective equipment	: Refer to section 8.2.
Emergency procedures	: Evacuate unnecessary personnel.

#### 6.1.2. For emergency responders

Protective equipment	: Refer to section 8.2.
Emergency procedures	: Ventilate area.

### 6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters. Avoid release to the environment.

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

For containment	: Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.
Methods for cleaning up	: Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

### 6.4. Reference to other sections

Section 13: disposal information. Section 7: safe handling. Section 8: personal protective equipment.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Additional hazards when processed	: Handle empty containers with care because residual vapours are flammable. Keep away from Sources of ignition. - No smoking.
Precautions for safe handling	: Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. No open flames. No smoking. Obtain special instructions before use. Use personal protective equipment as required. Do not handle until all safety precautions have been read and understood.
Hygiene measures	: Do not eat, drink or smoke when using this product.

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

Technical measures	: Proper grounding procedures to avoid static electricity should be followed.
Storage conditions	: Keep only in the original container in a cool well ventilated place. Keep in fireproof place.

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Incompatible products	: Strong bases. Strong acids. Strong oxidizers.
Incompatible materials	: Sources of ignition. Direct sunlight. Heat sources.
Storage temperature	: $\geq -3.89$ °C

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

<b>Butralin (33629-47-9)</b>		
Not applicable		
<b>Solvent naphtha (petroleum), light arom. (benzene &lt; 0.1%) (64742-95-6)</b>		
Not applicable		
<b>1,2,4-trimethylbenzene (95-63-6)</b>		
ACGIH	ACGIH TWA (mg/m <sup>3</sup> )	123 mg/m <sup>3</sup>
ACGIH	ACGIH TWA (ppm)	25 ppm
NIOSH	NIOSH REL (TWA) (mg/m <sup>3</sup> )	125 mg/m <sup>3</sup>
NIOSH	NIOSH REL (TWA) (ppm)	25 ppm
<b>Surfactant (trade secret)</b>		
Not applicable		
<b>Heavy Aromatic Naphtha Solvent (64742-94-5)</b>		
ACGIH	ACGIH STEL (mg/m <sup>3</sup> )	10 mg/m <sup>3</sup>
OSHA	OSHA PEL (TWA) (mg/m <sup>3</sup> )	5 mg/m <sup>3</sup>
<b>Naphthalene (91-20-3)</b>		
ACGIH	ACGIH TWA (mg/m <sup>3</sup> )	52 mg/m <sup>3</sup>
ACGIH	ACGIH TWA (ppm)	10 ppm
ACGIH	ACGIH STEL (mg/m <sup>3</sup> )	79 mg/m <sup>3</sup>
ACGIH	ACGIH STEL (ppm)	15 ppm
ACGIH	Remark (ACGIH)	Hematologic eff; URT & eye irr; Skin; A3 (Confirmed Animal Carcinogen with Unknown Relevance to Humans: The agent is carcinogenic in experimental animals at a relatively high dose, by route(s) of administration, at site(s), of histologic type(s), or by mechanism(s) that may not be relevant to worker exposure. Available epidemiologic studies do not confirm an increased risk of cancer in exposed humans. Available evidence does not suggest that the agent is likely to cause cancer in humans except under uncommon or unlikely routes or levels of exposure)
OSHA	OSHA PEL (TWA) (mg/m <sup>3</sup> )	50 mg/m <sup>3</sup>
OSHA	OSHA PEL (TWA) (ppm)	10 ppm
NIOSH	NIOSH REL (TWA) (mg/m <sup>3</sup> )	50 mg/m <sup>3</sup>
NIOSH	NIOSH REL (TWA) (ppm)	10 ppm
NIOSH	NIOSH REL (STEL) (mg/m <sup>3</sup> )	75 mg/m <sup>3</sup>
NIOSH	NIOSH REL (STEL) (ppm)	15 ppm

#### 8.2. Appropriate engineering controls

Appropriate engineering controls	: Avoid splashing. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Provide local exhaust or general room ventilation.
Environmental exposure controls	: Prevent leakage or spillage. Prevent contaminated water run-off.

#### 8.3. Individual protection measures/Personal protective equipment

Personal protective equipment	: Avoid all unnecessary exposure.
Hand protection	: Wear suitable gloves resistant to chemical penetration. VITON gloves. ( $\geq 14$ mils).
Eye protection	: Chemical goggles or safety glasses.

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Skin and body protection	: Long sleeved protective clothing.
Respiratory protection	: In case of inadequate ventilation wear respiratory protection. Approved organic vapour respirator.
Other information	: Do not eat, drink or smoke during use.

### SECTION 9: Physical and chemical properties

#### 9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Colour	: Yellow Orange
Odour	: aromatic
Odour threshold	: No data available
pH	: 6.7
Melting point	: No data available
Freezing point	: No data available
Boiling point	: 265 °C
Flash point	: 65 °C
Relative evaporation rate (butylacetate=1)	: No data available
Flammability (solid, gas)	: Combustible liquid.
Vapour pressure	: 1.7 hPa
Relative vapour density at 20 °C	: No data available
Relative density	: 0.975 - 0.995 @ 20 °C
Solubility	: No data available
Log Pow	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
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

No dangerous reactions known.

#### 10.2. Chemical stability

Combustible liquid. May form flammable/explosive vapour-air mixture.

#### 10.3. Possibility of hazardous reactions

Not established.

#### 10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures. Open flame. Overheating. Heat. Sparks.

#### 10.5. Incompatible materials

Strong acids. Strong bases. Strong oxidizers.

#### 10.6. Hazardous decomposition products

Carbon monoxide. Carbon dioxide. May release flammable gases.

### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

Likely routes of exposure	: Inhalation. Skin and eye contact
Acute toxicity	: Not classified

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<b>Butralin Sucker Control</b>	
LD50 oral rat	> 2000 mg/kg
LD50 dermal rabbit	> 2000 mg/kg
LC50 inhalation rat (mg/l)	> 7.28 mg/l/4h

<b>Butralin (33629-47-9)</b>	
LD50 oral rat	1049 - 1170 mg/kg
LD50 dermal rabbit	> 2000 mg/kg
LC50 inhalation rat (mg/l)	> 5.24 mg/l/4h
ATE US (oral)	1049 mg/kg bodyweight

<b>Solvent naphtha (petroleum), light arom. (benzene &lt; 0.1%) (64742-95-6)</b>	
LD50 oral rat	3592 mg/kg
LD50 dermal rabbit	> 3160 mg/kg
ATE US (oral)	3592 mg/kg bodyweight

<b>1,2,4-trimethylbenzene (95-63-6)</b>	
LD50 oral rat	3415 mg/kg
LD50 dermal rat	3440 mg/kg
LC50 inhalation rat (ppm)	954 ppm
ATE US (oral)	3415 mg/kg bodyweight
ATE US (dermal)	3440 mg/kg bodyweight
ATE US (dust,mist)	1.5 mg/l/4h

<b>Surfactant (trade secret)</b>	
LD50 oral rat	1300 mg/kg
LD50 dermal rabbit	> 5000 mg/kg
ATE US (oral)	1300 mg/kg bodyweight

<b>Heavy Aromatic Naphtha Solvent (64742-94-5)</b>	
LD50 oral rat	> 5000 mg/kg
LD50 dermal rabbit	> 2000 mg/kg
LC50 inhalation rat (mg/l)	> 5.28 mg/l/4h

<b>Naphthalene (91-20-3)</b>	
LD50 oral rat	490 mg/kg
LD50 dermal rabbit	20 g/kg
LC50 inhalation rat (mg/l)	> 340 mg/m <sup>3</sup> 1 hour
ATE US (oral)	490 mg/kg bodyweight
ATE US (dermal)	20000 mg/kg bodyweight

Skin corrosion/irritation	: Not classified. (Slightly irritant but not relevant for classification)
Serious eye damage/irritation	: Causes serious eye damage. (Splashes in the eyes can cause irritation and may even result in irreparable damage)
Respiratory or skin sensitisation	: Not classified
Germ cell mutagenicity	: Suspected of causing genetic defects.
Carcinogenicity	: Suspected of causing cancer.

<b>Naphthalene (91-20-3)</b>	
IARC group	2B - Possibly carcinogenic to humans
National Toxicology Program (NTP) Status	3 - Reasonably anticipated to be Human Carcinogen

Reproductive toxicity	: Not classified
Specific target organ toxicity (single exposure)	: Not classified
Specific target organ toxicity (repeated exposure)	: Not classified
Aspiration hazard	: May be fatal if swallowed and enters airways.
Symptoms/effects after eye contact	: Causes serious eye damage.
Symptoms/effects after ingestion	: May be fatal if swallowed and enters airways.

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### SECTION 12: Ecological information

#### 12.1. Toxicity

Ecology - water : Very toxic to aquatic life with long lasting effects.

<b>Butralin (33629-47-9)</b>	
LC50 fish 1	0.37 mg/l 96 h
EC50 Daphnia 1	0.12 mg/l 48 h
EC50 other aquatic organisms 1	0.1 mg/l 96 h Oyster
EC50 other aquatic organisms 2	0.08 mg/l 12 0h Algae

<b>Solvent naphtha (petroleum), light arom. (benzene &lt; 0.1%) (64742-95-6)</b>	
LC50 fish 1	9.22 mg/l 96 h
EC50 Daphnia 1	6.14 mg/l 48 h
EC50 other aquatic organisms 1	1 - 10 mg/l
ErC50 (algae)	19 mg/l 96 h

<b>1,2,4-trimethylbenzene (95-63-6)</b>	
LC50 fish 1	7.72 mg/l
LC50 other aquatic organisms 1	3.6 mg/l
EC50 other aquatic organisms 1	2.356 mg/l

<b>Naphthalene (91-20-3)</b>	
LC50 fish 1	> 0.91 (0.91 - 2.82) mg/l Oncornhynchus mykiss
EC50 Daphnia 1	>= 1.96 mg/l
EC50 other aquatic organisms 1	33 mg/l
LC50 fish 2	> 1 (1 - 6.5) mg/l Pimpephales promelas
LOEC (acute)	3.2 mg/l
NOEC (acute)	1.8 mg/l

#### 12.2. Persistence and degradability

<b>Butralin Sucker Control</b>	
Persistence and degradability	Not established.

<b>Butralin (33629-47-9)</b>	
Persistence and degradability	Product persists.

<b>Heavy Aromatic Naphtha Solvent (64742-94-5)</b>	
Persistence and degradability	Not rapidly degradable.
Biodegradation	39 %

#### 12.3. Bioaccumulative potential

<b>Butralin Sucker Control</b>	
Bioaccumulative potential	Not established.

<b>Naphthalene (91-20-3)</b>	
BCF fish 1	>= 427 (427 - 1158)

#### 12.4. Mobility in soil

<b>Heavy Aromatic Naphtha Solvent (64742-94-5)</b>	
Mobility in soil	Migrates to soil.

#### 12.5. Other adverse effects

Other information : Avoid release to the environment.

### SECTION 13: Disposal considerations

#### 13.1. Disposal methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.  
Additional information : Handle empty containers with care because residual vapours are flammable.  
Ecology - waste materials : Avoid release to the environment. Hazardous waste due to toxicity.

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### SECTION 14: Transport information

#### Department of Transportation (DOT)

In accordance with DOT

Non bulk (<= 119 gallons / 450 liters) Not regulated

Bulk (> 119 gallons / 450 liters):

Transport document description : NA1993 Combustible liquid, n.o.s. (Heavy Aromatic Naphtha Solvent), 3, III

UN-No.(DOT) : NA1993

Proper Shipping Name (DOT) : Combustible liquid, n.o.s. (Heavy Aromatic Naphtha Solvent)

Packing group (DOT) : III - Minor Danger

Dangerous for the environment : Yes

Marine pollutant : Yes



#### Additional information

Emergency Response Guide (ERG) Number : 128

Other information : No supplementary information available.

#### Transport by sea

##### IMDG

Transport hazard class(es) (IMDG) : 9



Marine pollutant : Yes

UN-No. (IMDG) : 3082

Transport document description (IMDG) : UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Butralin), 9, III, MARINE POLLUTANT

Class (IMDG) : 9 - Miscellaneous dangerous substances and articles

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

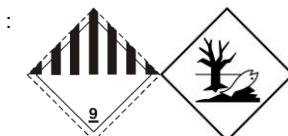
EmS-No. (Fire) : F-A

EmS-No. (Spillage) : S-F

#### Air transport

##### IATA

Transport hazard class(es) (IATA) : 9



Marine pollutant : Yes

UN-No. (IATA) : 3082

Transport document description (IATA) : UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Butralin), 9, III

Class (IATA) : 9 - Miscellaneous Dangerous Goods

Packing group (IATA) : III - Minor Danger

### SECTION 15: Regulatory information

#### 15.1. US Federal regulations



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

Chemical(s) subject to the reporting requirements of Section 313 or Title III of the Superfund Amendments and Reauthorization Act (SARA) of 1986 and 40 CFR Part 372.

1,2,4-trimethylbenzene	CAS-No. 95-63-6	5.2777 - 5.8777%
Naphthalene	CAS-No. 91-20-3	< 0.8891%

### Surfactant (trade secret)

CERCLA RQ	1000 lb
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### Naphthalene (91-20-3)

CERCLA RQ	100 lb
SARA Section 311/312 Hazard Classes	Delayed (chronic) health hazard Immediate (acute) health hazard
SARA Section 313 - Emission Reporting	0.1 %

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.:

EPA Registration Number	33688-4-400
FIFRA Signal Word	DANGER
FIFRA Hazard Statement	CORROSIVE. Severe eye irritant. Causes irreversible eye damage. Harmful if swallowed or absorbed through skin. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Do not get in eyes, on skin or on clothing.
FIFRA Other	This product is toxic to fish and aquatic invertebrates. Do not apply directly to water, to areas where surface water is present, or to intertidal areas below the mean high water mark. Direct contamination of any body of water may kill fish and aquatic organisms. Do not contaminate water for irrigation or domestic purposes by cleaning of equipment or disposal of wastes. Use coarse spray only, directed down tobacco stalk. Do not use fine sprays. Avoid drift to adjacent crops as injury may result. Do not use or store near heat or open flame. Do not store below 25°F.

## 15.2. International regulations

### CANADA

#### Butralin (33629-47-9)

Listed on the Canadian DSL (Domestic Substances List) inventory.

#### Solvent naphtha (petroleum), light arom. (benzene < 0.1%) (64742-95-6)

Listed on the Canadian DSL (Domestic Substances List) inventory.

#### 1,2,4-trimethylbenzene (95-63-6)

Listed on the Canadian DSL (Domestic Substances List) inventory.

#### Surfactant (trade secret)

Listed on the Canadian DSL (Domestic Substances List) inventory.

#### Heavy Aromatic Naphtha Solvent (64742-94-5)

Listed on the Canadian DSL (Domestic Substances List) inventory.

#### Naphthalene (91-20-3)

Listed on the Canadian DSL (Domestic Substances List) inventory.

## 15.3. US State regulations

California Proposition 65 - This product contains, or may contain, trace quantities of a substance(s) known to the state of California to cause cancer, developmental and/or reproductive harm

### Naphthalene (91-20-3)

U.S. - California - Proposition 65 - Carcinogens List	U.S. - California - Proposition 65 - Developmental Toxicity	U.S. - California - Proposition 65 - Reproductive Toxicity - Female	U.S. - California - Proposition 65 - Reproductive Toxicity - Male	No significant risk level (NSRL)
Yes	No	No	No	5.8 µg/day

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### 1,2,4-trimethylbenzene (95-63-6)

U.S. - Delaware - Pollutant Discharge Requirements - Reportable Quantities  
U.S. - New Jersey - Right to Know Hazardous Substance List  
U.S. - New York - Reporting of Releases Part 597 - List of Hazardous Substances

### Surfactant (trade secret)

U.S. - Delaware - Pollutant Discharge Requirements - Reportable Quantities  
U.S. - Massachusetts - Right To Know List  
U.S. - New Jersey - Right to Know Hazardous Substance List  
U.S. - New York - Reporting of Releases Part 597 - List of Hazardous Substances  
U.S. - Pennsylvania - RTK (Right to Know) List

### Naphthalene (91-20-3)

U.S. - Delaware - Pollutant Discharge Requirements - Reportable Quantities  
U.S. - Idaho - Non-Carcinogenic Toxic Air Pollutants - Acceptable Ambient Concentrations  
U.S. - New Jersey - Right to Know Hazardous Substance List  
U.S. - New York - Reporting of Releases Part 597 - List of Hazardous Substances  
U.S. - Pennsylvania - RTK (Right to Know) List

## SECTION 16: Other information

Data sources : European Chemicals Agency (ECHA) Registered Substances list. Accessed at <http://echa.europa.eu/>.  
Krister Forsberg and S.Z. Mansdorf, "Quick Selection Guide to Chemical Protective Clothing", Fifth Edition.  
National Fire Protection Association. Fire Protection Guide to Hazardous Materials; 10th edition.  
OSHA 29CFR 1910.1200 Hazard Communication Standard.  
REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.  
TSCA Chemical Substance Inventory. Accessed at <http://www.epa.gov/oppt/existingchemicals/pubs/tscainventory/howto.html>.

Other information : None.

Full text of H-statements:

H226	Flammable liquid and vapour
H227	Combustible liquid
H302	Harmful if swallowed
H304	May be fatal if swallowed and enters airways
H315	Causes skin irritation
H318	Causes serious eye damage
H319	Causes serious eye irritation
H332	Harmful if inhaled
H335	May cause respiratory irritation
H336	May cause drowsiness or dizziness
H341	Suspected of causing genetic defects
H351	Suspected of causing cancer
H400	Very toxic to aquatic life
H410	Very toxic to aquatic life with long lasting effects
H411	Toxic to aquatic life with long lasting effects
H413	May cause long lasting harmful effects to aquatic life

Abbreviations and acronyms:

# Butralin Sucker Control

## Safety Data Sheet

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

	ACGIH (American Conference of Government Industrial Hygienists)
	ATE: Acute Toxicity Estimate
	CAS (Chemical Abstracts Service) number
	CLP: Classification, Labelling, Packaging.
	EC50: Environmental Concentration associated with a response by 50% of the test population.
	GHS: Globally Harmonized System (of Classification and Labeling of Chemicals).
	LD50: Lethal Dose for 50% of the test population
	OSHA: Occupational Safety & Health Administration
	TSCA: Toxic Substances Control Act

NFPA health hazard

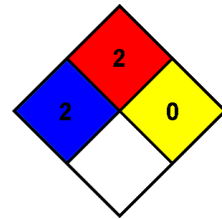
: 2 - Materials that, under emergency conditions, can cause temporary incapacitation or residual injury.

NFPA fire hazard

: 2 - Materials that must be moderately heated or exposed to relatively high ambient temperatures before ignition can occur.

NFPA reactivity

: 0 - Normally stable, even under fire exposure conditions, and not reactive with water.



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*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*