

# Trade Secret Markers

## Safety Data Sheet

according to the Hazardous Products Regulation (February 11, 2015)  
Issue date: 9/19/2016 Revision date: 12/3/2021 Version: 2.0

### 1.1. Product identifier

Product form : Mixture  
Product name : Trade Secret Markers  
Product code : 766XXX, 767XXX, 762XXX, 68726X and 77615X  
Synonyms : Factory Marker, Pump Marker, HD Graining Marker, Trade Secret Markers, Graining Pens.

### 1.2. Recommended use and restrictions on use

Recommended use : Furniture touch-up

### 1.3. Supplier

Dover Finishing Products, Inc.  
180 Avenue du Voyageur  
H9R 6A8 Pointe-Claire, QC - Canada  
T 514-420-6030  
[dfpservice@dfp.ca](mailto:dfpservice@dfp.ca)

### 1.4. Emergency telephone number

Emergency number : 1-800-354-4445

### 2.1. Classification of the substance or mixture

#### Classification (GHS CA)

Flam. Liq. 2	H225	Highly flammable liquid and vapour.
Acute Tox. 4 (Dermal)	H312	Harmful in contact with skin.
Eye Irrit. 2A	H319	Causes serious eye irritation.
Carc. 2	H351	Suspected of causing cancer.
Repr. 1B	H360	May damage fertility or the unborn child.
STOT SE 2	H371	May cause damage to organs.

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

#### GHS-CA labelling

Hazard pictograms (GHS-CA)



Signal word (GHS CA)

: Danger

Hazard statements (GHS-CA)

: H225 - Highly flammable liquid and vapour.  
H312 - Harmful in contact with skin.  
H319 - Causes serious eye irritation.  
H351 - Suspected of causing cancer.  
H360 - May damage fertility or the unborn child.  
H371 - May cause damage to organs.

Precautionary statements (GHS-CA)

: P201 - Obtain special instructions before use  
P202 - Do not handle until all safety precautions have been read and understood  
P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking  
P233 - Keep container tightly closed

# Trade Secret Markers

## Safety Data Sheet

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

P240 - Ground/bond container and receiving equipment  
P241 - Use explosion-proof electrical/ventilating/lighting equipment  
P242 - Use only non-sparking tools  
P243 - Take precautionary measures against static discharge  
P260 - Do not breathe dust/fume/gas/mist/vapours/spray  
P264 - Wash hands, forearms and face thoroughly after handling  
P270 - Do not eat, drink or smoke when using this product  
P280 - Wear protective gloves/protective clothing/eye protection/face protection  
P308+P311 - IF exposed or concerned: Call a POISON CENTER or doctor  
P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water  
P362+P364 - Take off contaminated clothing and wash it before reuse  
P312 - Call a POISON CENTER or doctor if you feel unwell  
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  
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

No additional information available

### 2.4. Unknown acute toxicity (GHS CA)

90% of the mixture consists of ingredient(s) of unknown acute toxicity (Dermal)

### 3.1. Substances

Not applicable

### 3.2. Mixtures

Name	Chemical name / Synonyms	Product identifier	%*
Ethyl alcohol	Methylcarbinol / Ethanol / ALCOHOL / Alcohol anhydrous / Alcohol / Grain alcohol	CAS-No.: 64-17-5	80 - 100
Isopropyl alcohol	2-Hydroxypropane / 2-Propyl alcohol / 2-Propanol / Isopropanol / Propan-2-ol / ISOPROPYL ALCOHOL / Propanol, 2- / Isopropyl alcohol	CAS-No.: 67-63-0	5 - 10
Diacetone alcohol	4-Hydroxy-4-methyl pentan-2-one / 4-Hydroxy-4-methyl-2-pentanone / 4-Hydroxy-4-methylpentanone-2 / Pentan-2-one, 4-hydroxy-4-methyl- / 2-Pentanone, 4-hydroxy-4-methyl- / 4-Hydroxy-4-methylpentan-2-one / DIACETONE ALCOHOL / 4-Hydroxy-4-methyl pentan-2-one alcohol / 4-Hydroxy-4-methyl-pentane-2-on	CAS-No.: 123-42-2	5 - 10

# Trade Secret Markers

## Safety Data Sheet

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

Name	Chemical name / Synonyms	Product identifier	%*
Methanol	Methyl alcohol / Carbinol / Methyl hydroxide / Wood alcohol / METHYL ALCOHOL	CAS-No.: 67-56-1	1 - 5
2-Pentanone, 4-methyl-	Hexone / Isobutyl methyl ketone / Isopropylacetone / Methyl isobutyl ketone / 4-Methyl-2-pentanone / 2-Methyl-4-pentanone / 4-Methylpentan-2-one / MIBK / Pentan-2-one, 4-methyl-	CAS-No.: 108-10-1	0.1 - 1

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

### 4.1. Description of first aid measures

First-aid measures after inhalation	: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical advice/attention if you feel unwell.
First-aid measures after skin contact	: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water . Wash contaminated clothing before reuse. Call a POISON CENTER or doctor if you feel unwell.
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. If eye irritation persists: Get medical advice/attention.
First-aid measures after ingestion	: If swallowed, do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical advice/attention if you feel unwell.

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

Symptoms/effects	: May cause damage to organs. Suspected of causing cancer. May damage fertility or the unborn child.
Symptoms/effects after inhalation	: May cause respiratory tract irritation.
Symptoms/effects after skin contact	: Harmful in contact with skin. May cause skin irritation. Symptoms may include redness, drying, defatting and cracking of the skin.
Symptoms/effects after eye contact	: Causes serious eye irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with marked redness and swelling of the conjunctiva.
Symptoms/effects after ingestion	: May be harmful if swallowed. May cause stomach distress, nausea or vomiting.

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

Other medical advice or treatment	: Symptoms may not appear immediately. In case of accident or if you feel unwell, seek medical advice immediately (show the label or SDS where possible).
-----------------------------------	---

### 5.1. Suitable extinguishing media

Suitable extinguishing media	: Water spray. Alcohol-resistant foam. Dry chemical. Carbon dioxide.
------------------------------	--

### 5.2. Unsuitable extinguishing media

Unsuitable extinguishing media	: Do not use water jet
--------------------------------	------------------------

### 5.3. Specific hazards arising from the hazardous product

Fire hazard	: Highly flammable liquid and vapour. Products of combustion may include, and are not limited to: oxides of carbon.
Explosion hazard	: May form flammable/explosive vapour-air mixture.

# Trade Secret Markers

## Safety Data Sheet

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

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

Protection during firefighting : Keep upwind of fire. Wear full fire fighting turn-out gear (full Bunker gear) and respiratory protection (SCBA).

### 6.1. Personal precautions, protective equipment and emergency procedures

General measures : Use personal protection recommended in Section 8. Isolate the hazard area and deny entry to unnecessary and unprotected personnel. Use special care to avoid static electric charges.

### 6.2. Methods and materials for containment and cleaning up

For containment : Contain and/or absorb spill with inert material (e.g. sand, vermiculite), then place in a suitable container. Do not flush to sewer or allow to enter waterways. Use appropriate Personal Protective Equipment (PPE).

Methods for cleaning up : Scoop up material and place in a disposal container. Provide ventilation.

### 6.3. Reference to other sections

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

### 7.1. Precautions for safe handling

Precautions for safe handling : Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Keep away from sources of ignition - No smoking. Avoid contact with skin and eyes. Do not breathe dust/fume/gas/mist/vapours/spray. Do not swallow. Handle and open container with care. When using do not eat, drink or smoke. Take precautionary measures against static discharge. Use only non-sparking tools.

Hygiene measures : Take off immediately all contaminated clothing and wash it before reuse. Wash hands before eating, drinking, or smoking.

Additional hazards when processed : Handle empty containers with care because residual vapours are flammable.

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

Technical measures : Proper grounding procedures to avoid static electricity should be followed.

Storage conditions : Keep out of the reach of children. Keep container tightly closed and in a well-ventilated place. Keep cool. Store locked up.

### 8.1. Control parameters

Isopropyl alcohol (67-63-0)	
USA - ACGIH - Occupational Exposure Limits	
ACGIH OEL TWA [ppm]	200 ppm
ACGIH OEL STEL [ppm]	400 ppm
ACGIH chemical category	Not Classifiable as a Human Carcinogen
USA - ACGIH - Biological Exposure Indices	
BEI	40 mg/l Parameter: Acetone - Medium: urine - Sampling time: end of shift at end of workweek (background, nonspecific)

# Trade Secret Markers

## Safety Data Sheet

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

<b>Diacetone alcohol (123-42-2)</b>	
<b>USA - ACGIH - Occupational Exposure Limits</b>	
ACGIH OEL TWA [ppm]	50 ppm
<b>Methanol (67-56-1)</b>	
<b>USA - ACGIH - Occupational Exposure Limits</b>	
ACGIH OEL TWA [ppm]	200 ppm
ACGIH OEL STEL [ppm]	250 ppm
ACGIH chemical category	Skin - potential significant contribution to overall exposure by the cutaneous route
<b>USA - ACGIH - Biological Exposure Indices</b>	
BEI	15 mg/l Parameter: Methanol - Medium: urine - Sampling time: end of shift (background, nonspecific)
<b>2-Pentanone, 4-methyl- (108-10-1)</b>	
<b>USA - ACGIH - Occupational Exposure Limits</b>	
Local name	Methyl isobutyl ketone
ACGIH OEL TWA [ppm]	20 ppm
ACGIH OEL STEL [ppm]	75 ppm
Remark (ACGIH)	TLV® Basis: URT irr; dizziness; headache. Notations: A3 (Confirmed Animal Carcinogen with Unknown Relevance to Humans); BEI
ACGIH chemical category	Confirmed Animal Carcinogen with Unknown Relevance to Humans
Regulatory reference	ACGIH 2021
<b>USA - ACGIH - Biological Exposure Indices</b>	
Local name	METHYL ISOBUTYL KETONE
BEI	1 mg/l Parameter: MIBK - Medium: urine - Sampling time: end of shift
Regulatory reference	ACGIH 2021
<b>Ethyl alcohol (64-17-5)</b>	
<b>USA - ACGIH - Occupational Exposure Limits</b>	
ACGIH OEL STEL [ppm]	1000 ppm
ACGIH chemical category	Confirmed Animal Carcinogen with Unknown Relevance to Humans

### 8.2. Appropriate engineering controls

- Appropriate engineering controls : Use ventilation adequate to keep exposures (airborne levels of dust, fume, vapor, etc.) below recommended exposure limits. Provide readily accessible eye wash stations and safety showers. Use explosion-proof electrical (ventilating, lighting and material handling) equipment..
- Environmental exposure controls : Maintain levels below Community environmental protection thresholds.

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

#### Hand protection:

Wear chemically resistant protective gloves.

#### Eye protection:

Wear approved eye protection (properly fitted dust- or splash-proof chemical safety goggles) and face protection (face shield).

# Trade Secret Markers

## Safety Data Sheet

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

### Skin and body protection:

Wear suitable protective clothing

### Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

### Other information:

Do not eat, smoke or drink where material is handled, processed or stored. Wash hands carefully before eating or smoking. Handle according to established industrial hygiene and safety practices.

## 9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Appearance	: No data available.
Colour	: No data available
Odour	: No data available
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	: No data available
Freezing point	: No data available
Boiling point	: 63 – 83 °C
Flash point	: 4 °C
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Highly flammable liquid and vapour.
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Solubility	: No data available
Partition coefficient n-octanol/water	: No data available
Viscosity, kinematic	: No data available
Explosive limits	: No data available

## 9.2. Other information

No additional information available

Reactivity	: No additional information available
Chemical stability	: Stable under normal storage conditions. May form flammable/explosive vapour-air mixture.
Possibility of hazardous reactions	: No dangerous reaction known under conditions of normal use.
Conditions to avoid	: Heat. Incompatible materials. Sources of ignition.
Incompatible materials	: Strong oxidizers.
Hazardous decomposition products	: May include, and are not limited to: oxides of carbon. May release flammable gases.

# Trade Secret Markers

## Safety Data Sheet

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

### 11.1. Information on toxicological effects

Acute toxicity (oral) : Not classified.  
Acute toxicity (dermal) : Harmful in contact with skin.  
Acute toxicity (inhalation) : Not classified.

ATE CA (Dermal)	1100 mg/kg bodyweight
Unknown acute toxicity (GHS CA)	90% of the mixture consists of ingredient(s) of unknown acute toxicity (Dermal)

#### Isopropyl alcohol (67-63-0)

LD50 oral rat	5840 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 401 (Acute Oral Toxicity)
LD50 dermal rabbit	4059 mg/kg
LC50 inhalation rat	> 10000 ppm (Exposure time: 6 h)
ATE CA (oral)	5840 mg/kg bodyweight
ATE CA (Dermal)	4059 mg/kg bodyweight

#### Diacetone alcohol (123-42-2)

LD50 oral rat	> 4 g/kg
LD50 dermal rat	> 1875 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)
LD50 dermal rabbit	13630 mg/kg
ATE CA (Dermal)	1100 mg/kg bodyweight

#### Methanol (67-56-1)

LD50 oral rat	1187 – 2769 mg/kg bodyweight Animal: rat
LD50 dermal rabbit	15840 mg/kg
LC50 inhalation rat	22500 ppm (Exposure time: 8 h)
ATE CA (oral)	100 mg/kg bodyweight
ATE CA (Dermal)	15840 mg/kg bodyweight
ATE CA (Gases (except aerosol dispensers and lighters))	700 ppmv/4h
ATE CA (vapours)	3 mg/l/4h
ATE CA (dust,mist)	0.5 mg/l/4h

#### 2-Pentanone, 4-methyl- (108-10-1)

LD50 oral rat	2080 mg/kg
LD50 dermal rabbit	3000 mg/kg
LC50 inhalation rat	11.6 mg/l air Animal: rat, Animal sex: male, Guideline: OECD Guideline 403 (Acute Inhalation Toxicity)
LC50 inhalation rat	2000 – 4000 ppm/4h
ATE CA (oral)	2080 mg/kg bodyweight
ATE CA (Dermal)	3000 mg/kg bodyweight
ATE CA (Gases (except aerosol dispensers and lighters))	2000 ppmv/4h

# Trade Secret Markers

## Safety Data Sheet

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

<b>2-Pentanone, 4-methyl- (108-10-1)</b>	
ATE CA (vapours)	11 mg/l/4h
ATE CA (dust,mist)	1.5 mg/l/4h
<b>Ethyl alcohol (64-17-5)</b>	
LD50 oral rat	15010 mg/kg bodyweight Animal: rat, Animal sex: female, Guideline: OECD Guideline 401 (Acute Oral Toxicity), 95% CL: 14450 - 15560
LD50 oral	8300 mg/kg bodyweight Animal: mouse
LC50 inhalation rat	133.8 mg/l/4h
ATE CA (oral)	8300 mg/kg bodyweight
ATE CA (vapours)	133.8 mg/l/4h
ATE CA (dust,mist)	133.8 mg/l/4h
Skin corrosion/irritation	: Not classified.
Serious eye damage/irritation	: Causes serious eye irritation.
Respiratory or skin sensitization	: Not classified.
Germ cell mutagenicity	: Not classified.
Carcinogenicity	: Suspected of causing cancer.
<b>Isopropyl alcohol (67-63-0)</b>	
IARC group	3 - Not classifiable
<b>2-Pentanone, 4-methyl- (108-10-1)</b>	
IARC group	2B - Possibly carcinogenic to humans
National Toxicology Program (NTP) Status	1 - Evidence of Carcinogenicity
Reproductive toxicity	: May damage fertility or the unborn child.
<b>Methanol (67-56-1)</b>	
NOAEL (animal/male, F0/P)	< 1000 mg/kg bodyweight Animal: mouse, Animal sex: male
STOT-single exposure	: Inhalation, ingestion or skin absorption of methanol can cause significant disturbances in vision, including blindness.
<b>Isopropyl alcohol (67-63-0)</b>	
STOT-single exposure	May cause drowsiness or dizziness.
<b>Methanol (67-56-1)</b>	
STOT-single exposure	Causes damage to organs. May cause drowsiness or dizziness.
<b>2-Pentanone, 4-methyl- (108-10-1)</b>	
STOT-single exposure	May cause respiratory irritation.
STOT-repeated exposure	: Not classified.
<b>Diacetone alcohol (123-42-2)</b>	
LOAEL (oral, rat, 90 days)	1000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity in Rodents)
NOAEL (oral, rat, 90 days)	250 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity in Rodents)
NOAEC (inhalation, rat, vapour, 90 days)	≥ 4.106 mg/l air Animal: rat, Guideline: OECD Guideline 413 (Subchronic Inhalation Toxicity: 90-Day Study)



# Trade Secret Markers

## Safety Data Sheet

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

2-Pentanone, 4-methyl- (108-10-1)	
LOAEL (oral, rat, 90 days)	1000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity in Rodents)
NOAEL (oral, rat, 90 days)	250 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity in Rodents)
NOAEC (inhalation, rat, vapour, 90 days)	4.106 mg/l air Animal: rat, Guideline: OECD Guideline 413 (Subchronic Inhalation Toxicity: 90-Day Study)

Ethyl alcohol (64-17-5)	
LOAEL (oral, rat, 90 days)	3200 mg/kg bodyweight Animal: rat, Animal sex: male, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity Study in Rodents)
NOAEL (oral, rat, 90 days)	1730 mg/kg bodyweight Animal: rat, Animal sex: male, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity Study in Rodents), Remarks on results: other:
NOAEL (subchronic, oral, animal/male, 90 days)	< 9700 mg/kg bodyweight Animal: mouse, Animal sex: male, Guideline: EPA OPPTS 870.3100 (90-Day Oral Toxicity in Rodents)
NOAEL (subchronic, oral, animal/female, 90 days)	> 9400 mg/kg bodyweight Animal: mouse, Animal sex: female, Guideline: EPA OPPTS 870.3100 (90-Day Oral Toxicity in Rodents)

Aspiration hazard	: Not classified.
Symptoms/effects	: May cause damage to organs. Suspected of causing cancer. May damage fertility or the unborn child.
Symptoms/effects after inhalation	: May cause respiratory tract irritation.
Symptoms/effects after skin contact	: Harmful in contact with skin. May cause skin irritation. Symptoms may include redness, drying, defatting and cracking of the skin.
Symptoms/effects after eye contact	: Causes serious eye irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with marked redness and swelling of the conjunctiva.
Symptoms/effects after ingestion	: May be harmful if swallowed. May cause stomach distress, nausea or vomiting.

### 12.1. Toxicity

Ecology - general	: May cause long-term adverse effects in the aquatic environment.
Hazardous to the aquatic environment, short-term (acute)	: Not classified.
Hazardous to the aquatic environment, long-term (chronic)	: Not classified.

Isopropyl alcohol (67-63-0)	
LC50 - Fish [1]	10000 mg/l Test organisms (species): Pimephales promelas
LC50 - Fish [2]	9640 mg/l Test organisms (species): Pimephales promelas
EC50 - Crustacea [1]	13299 mg/l (Exposure time: 48 h - Species: Daphnia magna)
EC50 72h - Algae [1]	> 1000 mg/l (Species: Desmodesmus subspicatus)
EC50 96h - Algae [1]	> 1000 mg/l (Species: Desmodesmus subspicatus)
Partition coefficient n-octanol/water	0.05 (at 25 °C)

Diacetone alcohol (123-42-2)	
LC50 - Fish [1]	420 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus [static])
LC50 - Fish [2]	420 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus)
EC50 - Crustacea [1]	> 1000 mg/l Test organisms (species): Daphnia magna

# Trade Secret Markers

## Safety Data Sheet

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

Diacetone alcohol (123-42-2)	
EC50 72h - Algae [1]	> 1000 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)
NOEC (chronic)	100 mg/l Test organisms (species): Daphnia magna Duration: '21 d'
Partition coefficient n-octanol/water	1.03
LOEC (chronic)	> 100 mg/l Test organisms (species): Daphnia magna Duration: '21 d'
Methanol (67-56-1)	
LC50 - Fish [1]	15400 mg/l Test organisms (species): Lepomis macrochirus
LC50 - Fish [2]	> 100 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static])
EC50 96h - Algae [1]	≈ 22000 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)
NOEC (chronic)	208 mg/l Test organisms (species): Daphnia magna Duration: '21 d'
BCF - Fish [1]	< 10
Partition coefficient n-octanol/water	-0.77
2-Pentanone, 4-methyl- (108-10-1)	
LC50 - Fish [1]	505 mg/l
EC50 - Crustacea [1]	1250 mg/l
EC50 96h - Algae [1]	400 mg/l (Species: Pseudokirchneriella subcapitata)
NOEC chronic fish	57 mg/l
NOEC chronic crustacea	7.8 mg/l
Partition coefficient n-octanol/water	1.19
Ethyl alcohol (64-17-5)	
LC50 - Fish [1]	14.2 g/l Test organisms (species): Pimephales promelas
LC50 - Fish [2]	> 100 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static])
EC50 - Crustacea [1]	9268 – 14221 mg/l (Exposure time: 48 h - Species: Daphnia magna)
EC50 - Crustacea [2]	2 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
ErC50 algae	1000 mg/l
EC50 96h - Algae [1]	≈ 22000 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)
NOEC (chronic)	9.6 mg/l Test organisms (species): Daphnia magna Duration: '9 d'
NOEC chronic crustacea	9.6 mg/l
Partition coefficient n-octanol/water	-0.32

### 12.2. Persistence and degradability

Trade Secret Markers	
Persistence and degradability	Not established.

# Trade Secret Markers

## Safety Data Sheet

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

### 12.3. Bioaccumulative potential

#### Trade Secret Markers

Bioaccumulative potential	Not established.
---------------------------	------------------

#### Isopropyl alcohol (67-63-0)

Partition coefficient n-octanol/water	0.05 (at 25 °C)
---------------------------------------	-----------------

#### Diacetone alcohol (123-42-2)

Partition coefficient n-octanol/water	1.03
---------------------------------------	------

#### Methanol (67-56-1)

BCF - Fish [1]	< 10
----------------	------

Partition coefficient n-octanol/water	-0.77
---------------------------------------	-------

#### 2-Pentanone, 4-methyl- (108-10-1)

Partition coefficient n-octanol/water	1.19
---------------------------------------	------

#### Ethyl alcohol (64-17-5)

Partition coefficient n-octanol/water	-0.32
---------------------------------------	-------

### 12.4. Mobility in soil

#### Isopropyl alcohol (67-63-0)

Partition coefficient n-octanol/water	0.05 (at 25 °C)
---------------------------------------	-----------------

#### Diacetone alcohol (123-42-2)

Partition coefficient n-octanol/water	1.03
---------------------------------------	------

#### Methanol (67-56-1)

Partition coefficient n-octanol/water	-0.77
---------------------------------------	-------

#### 2-Pentanone, 4-methyl- (108-10-1)

Partition coefficient n-octanol/water	1.19
---------------------------------------	------

#### Ethyl alcohol (64-17-5)

Partition coefficient n-octanol/water	-0.32
---------------------------------------	-------

### 12.5. Other adverse effects

Ozone : Not classified.

### 13.1. Disposal methods

Product/Packaging disposal recommendations	: This material must be disposed of in accordance with all local, state, provincial, and federal regulations. The generation of waste should be avoided or minimized wherever possible.
Additional information	: Handle empty containers with care because residual vapours are flammable.

In accordance with TDG

# Trade Secret Markers

## Safety Data Sheet

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

### 14.1. UN number

UN-No. (TDG) : UN1170

### 14.2. UN proper shipping name

Proper Shipping Name (TDG) : ETHANOL SOLUTION (more than 24 per cent ethanol, by volume)

### 14.3. Transport hazard class(es)

#### TDG

Transport hazard class(es) (TDG) : 3

Hazard labels (TDG) : 3



### 14.4. Packing group

Packing group (TDG) : II

### 14.5. Environmental hazards

Other information : No supplementary information available.

### 14.6. Special precautions for user

Special transport precautions : Do not handle until all safety precautions have been read and understood.

#### TDG

UN-No. (TDG) : UN1170

TDG Special Provisions : 150 - An approved ERAP is required for the dangerous goods referred to in paragraph 7.2(1)(f) of Part 7 (Emergency Response Assistance Plan). SOR-2019-101

Explosive Limit and Limited Quantity Index : 1 L

Excepted quantities (TDG) : E2

Passenger Carrying Road Vehicle or Passenger : 5 L

Carrying Railway Vehicle Index

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

Not applicable

### 15.1. National regulations

All components of this product are listed, or excluded from listing, on the Canadian DSL (Domestic Substances List) and NDSL (Non-Domestic Substances List) inventories.

### 15.2. International regulations

No additional information available

Issue date : 09/19/2016

Revision date : 12/03/2021

# Trade Secret Markers

## Safety Data Sheet

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

---

### Indication of changes:

SDS update.

: None.

Other information

Prepared by

: Nexreg Compliance Inc.

[www.Nexreg.com](http://www.Nexreg.com)



Safety Data Sheet (SDS), Canada - Nexreg 2021

Disclaimer: We believe the statements, technical information and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind. The information contained in this document applies to this specific material as supplied. It may not be valid for this material if it is used in combination with any other materials. It is the user's responsibility to satisfy oneself as to the suitability and completeness of this information for the user's own particular use.