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## SECTION 1: Identification of the substance/mixture and of the company/ undertaking

· 1.1 Product identifier

· Trade name: Foundation v.3

· Article number: 106164

1.2 Relevant identified uses of the substance or mixture and uses advised against No further relevant information available.

- · Application of the substance / the mixture Floor polish/ Polishing wax
- · 1.3 Details of the supplier of the Safety Data Sheet
- · Manufacturer/Supplier:

Theochem Laboratories 7373 Rowlett Park Drive Tampa, FL 33610

Phone: 813-237-6463

· 1.4 Emergency telephone number:

ChemTel Inc.

(800)255-3924, +1 (813)248-0585



#### **SECTION 2: Hazards identification**

- · 2.1 Classification of the substance or mixture
- · Classification according to Regulation (EC) No 1272/2008

Classifications listed also are applicable to the OSHA GHS Hazard Communication Standard (29CFR1910.1200).

The following classifications are applicable only to the general GHS regulations and not the specific CLP regulation: H360.

The following Hazard Statements are applicable only to the EU regulations and not the US GHS regulation: H360Df.

Repr. 1 H360: May damage fertility or the unborn child



health hazard

Repr. 1B H360Df May damage the unborn child. Suspected of damaging fertility.



Skin Irrit. 2 H315 Causes skin irritation.

Eye Irrit. 2 H319 Causes serious eye irritation.

Classification according to Directive 67/548/EEC or Directive 1999/45/EC

T; Toxic

R61: May cause harm to the unborn child.

Xn; Harmful

R62: Possible risk of impaired fertility.

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R36/38: Irritating to eyes and skin.

#### Information concerning particular hazards for human and environment:

The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.

#### Classification system:

The classification is according to the latest editions of the EU-lists, and extended by company and literature data.

The classification is in accordance with the latest editions of international substances lists, and is supplemented by information from technical literature and by information provided by the company.

#### · 2.2 Label elements

#### Labelling according to Regulation (EC) No 1272/2008

The substance is classified and labelled according to the Globally Harmonized System within the United States (GHS).

The product is classified and labelled according to the CLP regulation.

· Hazard pictograms





**GHS07 GHS08** 

#### · Signal word Danger

#### · Hazard-determining components of labelling:

2-(2-methoxyethoxy)ethanol

dibutyl phthalate

#### · Hazard statements

The following Hazard Statements are applicable only to the general GHS regulations and not the specific CLP regulation: H360.

The following Hazard Statements are applicable only to the EU regulations and not the US GHS regulation: H360Df.

H360 May damage fertility or the unborn child.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H360Df May damage the unborn child. Suspected of damaging fertility.

### · Precautionary statements

P281 Use personal protective equipment as required.

P202 Do not handle until all safety precautions have been read and understood.

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. P302+P352 IF ON SKIN: Wash with plenty of soap and water.

P501 Dispose of contents/container in accordance with local/regional/national/international

regulations.

#### · Additional information:

Restricted to professional users.

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- · Hazard description:
- · WHMIS-symbols:

D2A - Very toxic material causing other toxic effects



· NFPA ratings (scale 0 - 4)



Health = 1 Fire = 0 Reactivity = 0

· HMIS-ratings (scale 0 - 4)



- \* Indicates a long term health hazard from repeated or prolonged exposures.
- HMIS Long Term Health Hazard Substances

111-77-3 2-(2-methoxyethoxy)ethanol

- 2.3 Other hazards
- · Results of PBT and vPvB assessment
- PBT: Not applicable.vPvB: Not applicable.

## **SECTION 3: Composition/information on ingredients**

- · 3.2 Mixtures
- · **Description:** Mixture of substances listed below with nonhazardous additions.

· Dangerous components:		
CAS: 111-77-3 EINECS: 203-906-6 Index number: 603-107-00-6	2-(2-methoxyethoxy)ethanol  Xn R63 Repr. Cat. 3  Repr. 2, H361d	3-10%
	morpholine ☐ C R34; Xn R20/21/22 R10 Flam. Liq. 3, H226 Skin Corr. 1B, H314 ↑ Acute Tox. 4, H302; Acute Tox. 4, H312; Acute Tox. 4, H332	1-3%
CAS: 84-74-2 EINECS: 201-557-4 Index number: 607-318-00-4	dibutyl phthalate  ☐ T Repr. Cat. 2, 3 R61; Xn R62; N R50  ☐ Repr. 1B, H360Df ☐ Aquatic Acute 1, H400	1-3%

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CAS: 34590-94-8 EINECS: 252-104-2	(2-methoxymethylethoxy)propanol substance with a Community workplace exposure limit	(Contd. of page 3) 1-3%	
· SVHC			
84-74-2 dibutyl phthalate			
Additional information: For the wording of the listed risk phrases refer to section 16.			

#### **SECTION 4: First aid measures**

- · 4.1 Description of first aid measures
- General information: No special measures required.
- After inhalation: Supply fresh air; consult doctor in case of complaints.
- · After skin contact:

Immediately wash with water and soap and rinse thoroughly.

If skin irritation continues, consult a doctor.

If skin irritation is experienced, consult a doctor.

· After eye contact:

Remove contact lenses if worn.

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

· After swallowing:

Rinse out mouth and then drink plenty of water.

Do not induce vomiting; call for medical help immediately.

· 4.2 Most important symptoms and effects, both acute and delayed

Gastric or intestinal disorders when ingested.

Irritant to skin and mucous membranes.

Irritant to eyes.

· Hazards

Danger of disturbed cardiac rhythm.

Condition may deteriorate with alcohol consumption.

· 4.3 Indication of any immediate medical attention and special treatment needed

Do not administer preparations of the adrenalin-ephedrine-group.

Contains morpholine.

Contains 5-chloro-2-methyl-2H-isothiazol-3-one, 2-methyl-2H-isothiazol-3-one. May produce an allergic reaction.

Treat skin and mucous membrane with antihistamine and corticoid preparations.

### **SECTION 5: Firefighting measures**

- · 5.1 Extinguishing media
- Suitable extinguishing agents: Use fire extinguishing methods suitable to surrounding conditions.
- · For safety reasons unsuitable extinguishing agents: None.
- 5.2 Special hazards arising from the substance or mixture

Formation of toxic gases is possible during heating or in case of fire.

- 5.3 Advice for firefighters
- · Protective equipment:

Wear self-contained respiratory protective device.

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Wear fully protective suit.

Additional information No further relevant information available.

#### SECTION 6: Accidental release measures

· 6.1 Personal precautions, protective equipment and emergency procedures

Particular danger of slipping on leaked/spilled product.

Wear protective equipment. Keep unprotected persons away.

Ensure adequate ventilation

- **6.2 Environmental precautions:** Do not allow to enter sewers/ surface or ground water.
- · 6.3 Methods and material for containment and cleaning up:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Pick up mechanically.

Send for recovery or disposal in suitable receptacles.

Dispose contaminated material as waste according to item 13.

· 6.4 Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

### **SECTION 7: Handling and storage**

· 7.1 Precautions for safe handling

Prevent formation of aerosols.

Avoid splashes or spray in enclosed areas.

Use only in well ventilated areas.

- · Information about fire and explosion protection: No special measures required.
- · 7.2 Conditions for safe storage, including any incompatibilities
- · Storage:
- · Requirements to be met by storerooms and receptacles:

Avoid storage near extreme heat, ignition sources or open flame.

· Information about storage in one common storage facility:

Store away from foodstuffs.

Do not store together with oxidising and acidic materials.

· Further information about storage conditions:

Store in cool, dry conditions in well sealed receptacles.

Protect from frost.

· 7.3 Specific end use(s) No further relevant information available.

#### **SECTION 8: Exposure controls/personal protection**

· Additional information about design of technical facilities: No further data; see item 7.

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		(Contd. of page 5)
· 8.1 Control p	parameters	
· Ingredients v	with limit values that require monitoring at the workplace:	
111-77-3 2-(2	-methoxyethoxy)ethanol	
IOELV (EU)	Long-term value: 50,1 mg/m³, 10 ppm Skin	
110-91-8 mor	rpholine	
IOELV (EU)	Short-term value: 72 mg/m³, 20 ppm Long-term value: 36 mg/m³, 10 ppm	
PEL (USA)	Long-term value: 70 mg/m³, 20 ppm Skin	
REL (USA)	Short-term value: 105 mg/m³, 30 ppm Long-term value: 70 mg/m³, 20 ppm Skin	
TLV (USA)	Long-term value: 71 mg/m³, 20 ppm Skin	
EL (Canada)	Long-term value: 20 ppm Skin	
EV (Canada)	Short-term value: 105 mg/m³, 30 ppm Long-term value: 70 mg/m³, 20 ppm Skin	
34590-94-8 (2	2-methoxymethylethoxy)propanol	
IOELV (EU)	Long-term value: 308 mg/m³, 50 ppm Skin	
PEL (USA)	Long-term value: 600 mg/m³, 100 ppm Skin	
REL (USA)	Short-term value: 900 mg/m³, 150 ppm Long-term value: 600 mg/m³, 100 ppm Skin	
TLV (USA)	Short-term value: 909 mg/m³, 150 ppm Long-term value: 606 mg/m³, 100 ppm Skin	
EL (Canada)	Short-term value: 150 ppm Long-term value: 100 ppm Skin	
EV (Canada)	Short-term value: 910 mg/m³, 150 ppm Long-term value: 605 mg/m³, 100 ppm	
84-74-2 dibut	tyl phthalate	
, ,	Long-term value: 5 mg/m³	
REL (USA)	Long-term value: 5 mg/m³	
TLV (USA)	Long-term value: 5 mg/m³	
EL (Canada)	Long-term value: 5 mg/m³	
EV (Canada)	Long-term value: 5 mg/m³	
· DNELs No fu	rther relevant information available.	
		(Contd. on page 7)

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- · PNECs No further relevant information available.
- · Additional information: The lists valid during the making were used as basis.
- · 8.2 Exposure controls
- Personal protective equipment:
- · General protective and hygienic measures:

The usual precautionary measures are to be adhered to when handling chemicals.

Do not inhale gases / fumes / aerosols.

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing.

Wash hands before breaks and at the end of work.

Avoid contact with the eyes and skin.

Pregnant women should strictly avoid inhalation or skin contact.

Respiratory protection:

Not required under normal conditions of use.

Use suitable respiratory protective device in case of insufficient ventilation.

Use suitable respiratory protective device when aerosol or mist is formed.

For spills, respiratory protection may be advisable.

Protection of hands:



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.

#### · Material of gloves

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

#### · Penetration time of glove material

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

For the permanent contact gloves made of the following materials are suitable:

Butyl rubber, BR

Neoprene gloves

Eye protection:



Safety glasses

#### · Body protection:

Not required under normal conditions of use.

Protection may be required for spills.

#### · Limitation and supervision of exposure into the environment

No further relevant information available.

#### Risk management measures

See Section 7 for additional information.

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No further relevant information available.

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### **SECTION 9: Physical and chemical properties**

· 9.1 Information on basic physical and chemical properties

· General Information

· Appearance:

Form: Liquid White Odour: Acrid

· Odour threshold: Not determined.

· pH-value at 20 °C: 8,3 - 8,9

· Change in condition

Melting point/Melting range:
Boiling point/Boiling range:
Undetermined.

Flash point:
Flammability (solid, gaseous):
Auto/Self-ignition temperature:
Not determined.

Not determined.

Not determined.

· **Self-igniting:** Product is not self-igniting.

• Danger of explosion: Product does not present an explosion hazard.

· Explosion limits:

Lower:
Upper:
Not determined.
Not determined.

Vapour pressure:
Not determined.

Density at 20 °C:
Relative density
Vapour density
Vapour density
Evaporation rate
Not determined.
Not determined.

· Solubility in / Miscibility with

water: Fully miscible.

• Partition coefficient (n-octanol/water): Not determined.

· Viscosity:

**Dynamic:** Not determined. **Kinematic:** Not determined.

• 9.2 Other information No further relevant information available.

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### **SECTION 10: Stability and reactivity**

- · 10.1 Reactivity
- · 10.2 Chemical stability
- Thermal decomposition / conditions to be avoided:

No decomposition if used and stored according to specifications.

10.3 Possibility of hazardous reactions

Toxic fumes may be released if heated above the decomposition point.

Reacts with strong oxidising agents.

Reacts with strong alkali.

- · 10.4 Conditions to avoid Store away from oxidising agents.
- 10.5 Incompatible materials: No further relevant information available.
- · 10.6 Hazardous decomposition products:

Carbon monoxide and carbon dioxide

Ammonia

## **SECTION 11: Toxicological information**

- · 11.1 Information on toxicological effects
- · Acute toxicity:

Acute	UXICILY	•			
· LD/LC5	· LD/LC50 values relevant for classification:				
111-77-3 2-(2-methoxyethoxy)ethanol					
Oral	LD50	5500 mg/kg (rat)			
Dermal	LD50	6540 mg/kg (rabbit)			
	110-91-8 morpholine				
Oral	LD50	1050 mg/kg (rat)			
Dermal	LD50	500 mg/kg (rabbit)			

- · Primary irritant effect:
- on the skin: Irritant to skin and mucous membranes.
- · on the eye: Irritating effect.
- · Sensitisation:

Sensitising effect by skin contact is possible by prolonged exposure.

Contains 5-chloro-2-methyl-2H-isothiazol-3-one. May produce an allergic reaction.

Additional toxicological information:

The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version:

Irritant

May damage fertility or the unborn child.

- · Acute effects (acute toxicity, irritation and corrosivity): The product can cause inheritable damage.
- · Repeated dose toxicity:

May cause damage to organs through prolonged or repeated exposure.

Repeated exposures may result in skin and/or respiratory sensitivity.

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· CMR effects (carcinogenity, mutagenicity and toxicity for reproduction):

Repr. 1B

### **SECTION 12: Ecological information**

- · 12.1 Toxicity
- · Aquatic toxicity: The product contains materials that are harmful to the environment.
- 12.2 Persistence and degradability No further relevant information available.
- 12.3 Bioaccumulative potential No further relevant information available.
- · 12.4 Mobility in soil No further relevant information available.
- · Additional ecological information:
- · General notes:

Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water Do not allow product to reach ground water, water course or sewage system. Danger to drinking water if even small quantities leak into the ground.

- · 12.5 Results of PBT and vPvB assessment
- · PBT: Not applicable.
- vPvB: Not applicable.
- · 12.6 Other adverse effects No further relevant information available.

### **SECTION 13: Disposal considerations**

- · 13.1 Waste treatment methods
- · Recommendation

Can be burned with household garbage after consulting with the waste disposal facility operator and the pertinent authorities and adhering to the necessary technical regulations.

The user of this material has the responsibility to dispose of unused material, residues and containers in compliance with all relevant local, state and federal laws and regulations regarding treatment, storage and disposal for hazardous and nonhazardous wastes. Residual materials should be treated as hazardous.

- · Uncleaned packaging:
- · Recommendation: Disposal must be made according to official regulations.

### **SECTION 14: Transport information**

· 14.1 UN-Number

· DOT, ADR, ADN, IMDG, IATA Not Regulated

14.2 UN proper shipping name

· DOT, ADR, ADN, IMDG, IATA Not Regulated

· 14.3 Transport hazard class(es)

· DOT, ADR, ADN, IMDG, IATA

· Class Not Regulated

· 14.4 Packing group

· DOT, ADR, IMDG, IATA Not Regulated

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· 14.5 Environmental hazards:

· Marine pollutant: No

• 14.6 Special precautions for user Not applicable.

14.7 Transport in bulk according to Annex II of

MARPOL73/78 and the IBC Code Not applicable.

· UN "Model Regulation":

## **SECTION 15: Regulatory information**

- 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
- United States (USA)
- ·SARA
- Section 355 (extremely hazardous substances):

None of the ingredients are listed.

- · Section 313 (Specific toxic chemical listings):
- 111-77-3 2-(2-methoxyethoxy)ethanol
- 84-74-2 dibutyl phthalate
- · TSCA (Toxic Substances Control Act):

All ingredients are listed.

- · Proposition 65 (California):
- Chemicals known to cause cancer:

Present in trace quantities.

- 123-91-1 1,4-dioxane
- · Chemicals known to cause reproductive toxicity for females:

84-74-2 dibutyl phthalate

· Chemicals known to cause reproductive toxicity for males:

84-74-2 dibutyl phthalate

· Chemicals known to cause developmental toxicity:

84-74-2 dibutyl phthalate

- Carcinogenic Categories
- · EPA (Environmental Protection Agency)

84-74-2 dibutyl phthalate

D

· IARC (International Agency for Research on Cancer)

110-91-8 morpholine

3

TLV (Threshold Limit Value established by ACGIH)

110-91-8 morpholine

A4

· NIOSH-Ca (National Institute for Occupational Safety and Health)

None of the ingredients are listed.

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A		

· Canada

· Canadian Domestic Substances List (DSL)

All ingredients are listed.

Canadian Ingredient Disclosure list (limit 0.1%)

None of the ingredients are listed.

Canadian Ingredient Disclosure list (limit 1%)

111-77-3 2-(2-methoxyethoxy)ethanol

110-91-8 morpholine

84-74-2 dibutyl phthalate

34590-94-8 (2-methoxymethylethoxy)propanol

#### · Other regulations, limitations and prohibitive regulations

This product has been classified in accordance with hazard criteria of the Controlled Products Regulations and the SDS contains all the information required by the Controlled Products Regulations.

- Substances of very high concern (SVHC) according to REACH, Article 57
  - 84-74-2 dibutyl phthalate
- · 15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

#### **SECTION 16: Other information**

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

#### · Relevant phrases

- H226 Flammable liquid and vapour.
- H302 Harmful if swallowed.
- H312 Harmful in contact with skin.
- H314 Causes severe skin burns and eye damage.
- H332 Harmful if inhaled.
- H360Df May damage the unborn child. Suspected of damaging fertility.
- H361d Suspected of damaging the unborn child.
- H400 Very toxic to aquatic life.

R10 Flammable.

R20/21/22 Harmful by inhalation, in contact with skin and if swallowed.

R34 Causes burns.

R50 Very toxic to aquatic organisms.

R61 May cause harm to the unborn child.

R62 Possible risk of impaired fertility.

R63 Possible risk of harm to the unborn child.

#### · Abbreviations and acronyms:

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

ACGIH: American Conference of Governmental Industrial Hygienists

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EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

NFPA: National Fire Protection Association (USA)

HMIS: Hazardous Materials Identification System (USA)

WHMIS: Workplace Hazardous Materials Information System (Canada)

DNEL: Derived No-Effect Level (REACH)
PNEC: Predicted No-Effect Concentration (REACH)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

Flam. Liq. 3: Flammable liquids, Hazard Category 3

Acute Tox. 4: Acute toxicity, Hazard Category 4
Skin Corr. 1B: Skin corrosion/irritation, Hazard Category 1B

Skin Irrit. 2: Skin corrosion/irritation, Hazard Category 2
Eye Irrit. 2: Serious eye damage/eye irritation, Hazard Category 2

Repr. 1B: Reproductive toxicity, Hazard Category 1B Repr. 2: Reproductive toxicity, Hazard Category 2

Aquatic Acute 1: Hazardous to the aquatic environment - AcuteHazard, Category 1

Sources

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