Corporation

Safety Data Sheet according to 1907/2006/EC (REACH), 1272/2008/EC (CLP), and **OSHA GHS**

Printing date 26.05.2015 Revision: 26.05.2015

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

· 1.1 Product identifier

Trade name: 901 Drying Agent

· Article number: CC0901

· 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 Protective coating

· 1.3 Details of the supplier of the Safety Data Sheet

· Manufacturer/Supplier:

Shore Corporation 2917 Spruce Way Pittsburgh, PA 15201 USA Tel (412) 471-3330

Distributed By: Kleen-Rite Corporation

P. O. Box 886 Columbia, PA 17512 (717) 684 - 6721

· 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 Hazard Statements are applicable only to the EU regulations and not the US GHS regulation: H412.



health hazard

Carc. 1B H350 May cause cancer.



Skin Irrit. 2 H315 Causes skin irritation.

Eye Irrit. 2 H319 Causes serious eye irritation.

Skin Sens. 1 H317 May cause an allergic skin reaction.

Aquatic Chronic 3 H412 Harmful to aquatic life with long lasting effects.

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

T; Toxic

R45: May cause cancer.

Xi; Irritant

R36/38: Irritating to eyes and skin.

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Xi; Sensitising

R43: May cause sensitisation by skin contact.

R52/53: Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic

environment.

· 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.

Additional information:

There are no other hazards not otherwise classified that have been identified.

0 percent of the mixture consists of component(s) of unknowntoxicity

· 2.2 Label elements

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

The product is additionally 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:

Distillates (petroleum), hydtrotreated middle

(R)-p-mentha-1,8-diene

Hazard statements

The following Hazard Statements are applicable only to the EU regulations and not the US GHS regulation: H412.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H317 May cause an allergic skinreaction.

H350 May cause cancer.

H412 Harmful to aquatic life with long lasting effects.

· Precautionary statements

P261 Avoid breathing mist/vapours/spray.

P280 Wear protective gloves/protective clothing/eye protection.

P264 Wash thoroughly after handling.
P201 Obtain special instructions before use.

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.

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P362 Take off contaminated clothing and wash before reuse. P308+P313 IF exposed or concerned: Get medical advice/attention.

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

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

regulations.

· Additional information:

Restricted to professional users.

- Hazard description:
- · WHMIS-symbols:

D2A - Very toxic material causing other toxic effects



· NFPA ratings (scale 0 - 4)



· HMIS-ratings (scale 0 - 4)



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

None of the ingredients are listed.

- · 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: 111-76-2 EINECS: 203-905-0 Index number: 603-014-00-0 2-butoxyethanol ★ Xn R20/21/22; ★ Xi R36/38

Acute Tox. 4, H302; Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319

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2,5-10%

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		(Contd. of page 3)
CAS: 64-19-7	acetic acid	2,5-10%
EINECS: 200-580-7	€ C R35	
Index number: 607-002-00-6	R10	
	Flam. Liq. 3, H226 Skin Corr. 1A, H314	
CAS: 67-63-0	propan-2-ol	2,5-10%
EINECS: 200-661-7	X Xi R36; № F R11	
Index number: 603-117-00-0	R67	
	♠ Flam. Liq. 2, H225	
	Eye Irrit. 2, H319; STOT SE 3, H336	
CAS: 5989-27-5	(R)-p-mentha-1,8-diene	≤ 2,5%
EINECS: 227-813-5	xXi R38; xXi R43; 2N R50/53	
Index number: 601-029-00-7	R10	
	♦ Flam. Liq. 3, H226	
	Aquatic Acute 1, H400; Aquatic Chronic 1, H410	
	Skin Irrit. 2, H315; Skin Sens. 1, H317	
CAS: 61791-55-7	Amines, N-tallowalkyltrimethylenedi-	≤ 2,5%
EINECS: 263-189-0	X Xn R22	
	Tox. 4, H302	

· Additional information:

For the listed ingredients, the identity and exact percentages are being withheld as a trade secret. 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: Immediately remove any clothing soiled by the product.
- · After inhalation: Supply fresh air; consult doctor in case of complaints.
- · After skin contact:

Immediately rinse with water.

If skin irritation or rash occurs: Get medical advice/attention.

· After eye contact:

Protect unharmed eve.

Remove contact lenses if worn, if possible.

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

Breathing difficulty

Coughing

Allergic reactions

Irritant to skin and mucous membranes.

Irritant to eyes.

Nausea in case of ingestion.

Gastric or intestinal disorders when ingested.

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· Hazards

Danger of impaired breathing.

Danger of gastric perforation.

Causes serious eye damage.

May cause cancer.

May be harmful in contact with skin.

May be harmful if inhaled.

4.3 Indication of any immediate medical attention and special treatment needed

Medical supervision for at least 48 hours.

Contains d-limonene. May produce an allergic reaction.

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.

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

Ensure adequate ventilation

Particular danger of slipping on leaked/spilled product.

- 6.2 Environmental precautions: Dilute with plenty of water.
- 6.3 Methods and material for containment and cleaning up:

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

Dispose contaminated material as waste according to item 13.

Send for recovery or disposal in suitable receptacles.

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

Use only in well ventilated areas.

Prevent formation of aerosols.

· Information about fire - and explosion protection: No special measures required.

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- · 7.2 Conditions for safe storage, including any incompatibilities
- · Storage:
- · Requirements to be met by storerooms and receptacles:

Store in cool, dry place.

Provide ventilation for receptacles.

Information about storage in one common storage facility:

Store away from foodstuffs.

Do not store together with alkalis (caustic solutions).

Store away from oxidising agents.

- Further information about storage conditions: Keep container tightly sealed.
- · 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.
- · 8.1 Control parameters

· Ingredients with limit values that require monitoring at the workplace:			
111-76-2 2-butoxyethanol			
IOELV (EU)	Short-term value: 246 mg/m³, 50 ppm Long-term value: 98 mg/m³, 20 ppm Skin		
PEL (USA)	Long-term value: 240 mg/m³, 50 ppm Skin		
REL (USA)	Long-term value: 24 mg/m³, 5 ppm Skin		
TLV (USA)	Long-term value: 97 mg/m³, 20 ppm BEI		
EL (Canada)	Long-term value: 20 ppm		
EV (Canada)	Long-term value: 20 ppm Skin		
64-19-7 aceti	64-19-7 acetic acid		
IOELV (EU)	Long-term value: 25 mg/m³, 10 ppm		
PEL (USA)	Long-term value: 25 mg/m³, 10 ppm		
REL (USA)	Short-term value: 37 mg/m³, 15 ppm Long-term value: 25 mg/m³, 10 ppm		
TLV (USA)	Short-term value: 37 mg/m³, 15 ppm Long-term value: 25 mg/m³, 10 ppm		
EL (Canada)	Short-term value: 15 ppm Long-term value: 10 ppm		
EV (Canada)	Short-term value: 37 mg/m³, 15 ppm Long-term value: 25 mg/m³, 10 ppm		
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67-63-0 propan-2-ol			
PEL (USA)	EL (USA) Long-term value: 980 mg/m³, 400 ppm		
REL (USA)	Short-term value: 1225 mg/m³, 500 ppm Long-term value: 980 mg/m³, 400 ppm		
TLV (USA)	Short-term value: 984 mg/m³, 400 ppm Long-term value: 492 mg/m³, 200 ppm BEI		
EL (Canada)	Short-term value: 400 ppm Long-term value: 200 ppm		
EV (Canada) Short-term value: 400 ppm Long-term value: 200 ppm			
	urther relevant information available. urther relevant information available.		
· Ingredients	· Ingredients with biological limit values:		
111-76-2 2-butoxyethanol			
1	200 mg/g creatinine Medium: urine Time: end of shift Parameter: Butoxyacetic acid with hydrolysis		
67-63-0 propan-2-ol			
	O mg/L Medium: urine Time: end of shift at end of workweek Parameter: Acetone (background, nonspecific)		

- · 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.

Keep away from foodstuffs, beverages and feed.

Wash hands before breaks and at the end of work.

Do not inhale gases / fumes / aerosols.

Avoid contact with the eyes and skin.

· Respiratory protection:

Not required under normal conditions of use.

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.

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· Material of gloves

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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.

· Eye protection:



Safety glasses

- · Body protection: Protective work clothing
- · Limitation and supervision of exposure into the environment Avoid release to the environment.
- · Risk management measures

See Section 7 for additional information. No further relevant information available.

SECTION 9: Physical and chemical properties

- · 9.1 Information on basic physical and chemical properties
- · General Information

· Appearance:

Form: Liquid

Colour: Amber coloured

· Odour: Citrus.

· Odour threshold: Not determined.

· pH-value at 20 °C (68 °F): 4,0

· Change in condition

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

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

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• **Density at 20 °C (68 °F):** 0,98 g/cm³ (8,178 lbs/gal)

Relative density
 Vapour density
 Evaporation rate
 Not determined.
 Not determined.

· Solubility in / Miscibility with

water: Soluble.

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

· Viscosity:

Dynamic: Not determined. Kinematic: Not determined.

• 9.2 Other information No further relevant information available.

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

Reacts with alkali (lyes).

Reacts with oxidising agents.

- · 10.4 Conditions to avoid Excessive heat.
- · 10.5 Incompatible materials: Oxidizers, strong bases, strong acids
- 10.6 Hazardous decomposition products:

Carbon monoxide and carbon dioxide

Possible in traces:

Nitrogen oxides (NOx)

Hydrogen chloride (HCI)

Phosgene

SECTION 11: Toxicological information

- · 11.1 Information on toxicological effects
- · Acute toxicity:
- · LD/LC50 values relevant for classification:

5989-27-5 (R)-p-mentha-1,8-diene

Oral LD50 4400 mg/kg (rat)

61791-26-2 Amines, Tallow Alkyl, Ethoxylated

Oral LD50 1000-2000 mg/kg (rat)

- · Primary irritant effect:
- · on the skin: Irritant to skin and mucous membranes.
- on the eve: Strong irritant with the danger of severe eye injury.
- · Subacute to chronic toxicity: No further relevant information available.

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· Additional toxicological information:

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Contains d-limonene. May produce an allergic reaction.

Toxic and/or corrosive effects may be delayed up to 24 hours.

May cause cancer.

Acute effects (acute toxicity, irritation and corrosivity):

Sensitisation possible through skin contact.

Irritating to eyes.

Irritating to skin.

May be harmful if inhaled.

May be harmful in contact with skin.

· Sensitisation:

May cause an allergic skin reaction.

May cause sensitisation by skin contact.

· Repeated dose toxicity:

May cause damage to organs through prolonged or repeated exposure.

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

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

Carc. 1B

SECTION 12: Ecological information

- · 12.1 Toxicity
- · Aquatic toxicity: No further relevant information available.
- 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 undiluted product or large quantities of it to reach ground water, water course or sewage system.

Due to available data on eliminability/decomposition and bioaccumulation potential prolonged term damage of the environment can not be excluded.

- · 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

Must not be disposed together with household garbage. Do not allow product to reach sewage system. 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.

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· 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

• 14.5 Environmental hazards: Product contains environmentally hazardous

substances: (R)-p-mentha-1,8-diene

· 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):

111-76-2 2-butoxyethanol

67-63-0 propan-2-ol

· TSCA (Toxic Substances Control Act):

All ingredients are listed.

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

None of the ingredients is listed.

· Chemicals known to cause reproductive toxicity for females:

None of the ingredients are listed.

· Chemicals known to cause reproductive toxicity for males:

None of the ingredients are listed.

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Chemicals	known to cause developmental toxicity:	
None of the	e ingredients are listed.	
_	nic Categories	
•	ronmental Protection Agency)	
111-76-2 2	2-butoxyethanol	
IARC (Inte	rnational Agency for Research on Cancer)	
111-76-2	2-butoxyethanol	
67-63-0	propan-2-ol	
5989-27-5	(R)-p-mentha-1,8-diene	
TLV (Three	shold Limit Value established by ACGIH)	
111-76-2	2-butoxyethanol	
67-63-0 p	oropan-2-ol	
NIOSH-Ca	(National Institute for Occupational Safety and H	lealth)
None of the	e ingredients are listed.	
Canada		
	Domestic Substances List (DSL)	
All ingredie	nts are listed.	
Canadian	Ingredient Disclosure list (limit 0.1%)	
None of the	e ingredients are listed.	
Canadian	Ingredient Disclosure list (limit 1%)	
111-76-2	2-butoxyethanol	
64-19-7	acetic acid	
	propan-2-ol	
5989-27-5	(R)-p-mentha-1,8-diene	

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
- None of the ingredients are listed.
- 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

H225	Highly flammable liquid and vapour.
DZZ3	mioniv naminable liquiq and vabour.

H226 Flammable liquid and vapour.

H302 Harmful if swallowed.

H312 Harmful in contact with skin.

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Trade Haille.	901 Drying Agent		
H314	(Contd. of page 12) Causes severe skin burns and eye damage.		
H315 H317	Causes skin irritation. May cause an allergic skin reaction.		
H319	Causes serious eye irritation.		
H332 H336	Harmful if inhaled. May cause drowsiness or dizziness.		
H400	Very toxic to aquatic life.		
H410	Very toxic to aquatic life with long lasting effects.		
R10	Flammable.		
R11	Highly flammable. ! Harmful by inhalation, in contact with skin and if swallowed.		
R22	Harmful if swallowed.		
R35	Causes severe burns.		
R36 R36/38	Irritating to eyes. Irritating to eyes and skin.		
R38	Irritating to skin.		
R43	May cause sensitisation by skin contact.		
R50/53	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.		
R67	Vapours may cause drowsiness and dizziness.		
	tions and acronyms:		
	d européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the Carriage of Dangerous Goods by Road)		
IMDG: Interr	national Maritime Code for Dangerous Goods		
	partment of Transportation ational Air Transport Association		
	lly Harmonised System of Classification and Labelling of Chemicals erican Conference of Governmental Industrial Hygienists		
EINECS: Eu	ropean Inventory of Existing Commercial Chemical Substances		
	ropean List of Notified Chemical Substances cal Abstracts Service (division of the American Chemical Society)		
NFPA: Natio	nal Fire Protection Association (USA)		
WHMIS: Wo	rdous Materials Identification System (USA) rkplace Hazardous Materials Information System (Canada)		
	ed No-Effect Level (REACH) icted No-Effect Concentration (REACH)		
LC50: Letha	concentration, 50 percent		
LD50: Lethal dose, 50 percent Flam. Liq. 2: Flammable liquids, Hazard Category 2			
Flam. Liq. 3: Flammable liquids, Hazard Category 3			
Acute Tox. 4: Acute toxicity, Hazard Category 4 Skin Corr. 1A: Skin corrosion/irritation, Hazard Category 1A			
Skin Irrit. 2: Skin corrosion/irritation, Hazard Category 2 Eye Irrit. 2: Serious eye damage/eye irritation, Hazard Category 2			
Skin Sens. 1: Sensitisation - Skin, Hazard Category 1			
Carc. 1B: Carcinogenicity, Hazard Category 1B STOT SE 3: Specific target organ toxicity - Single exposure, Hazard Category 3			
Aquatic Acute 1: Hazardous to the aquatic environment - AcuteHazard, Category 1			
Aquatic Chronic 1: Hazardous to the aquatic environment - Chronic Hazard, Category 1 Aquatic Chronic 3: Hazardous to the aquatic environment - Chronic Hazard, Category 3			
· Sources	Drongrad by Chara Corneration		
SDS Prepared by: Shore Corporation 2917 Spruce Way Pittsburgh, PA 15201			
(412) 471 – 3330 (412) 471 – 3260 fax (800) 860 -4978			

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