

# AL-88

## SECTION 1. IDENTIFICATION

<b>Product Identifier</b>	AL-88
<b>Other Means of Identification</b>	Super Sealant - Orange - Creamsicle Scent
<b>Recommended Use</b>	Sealant for touchless car wash applications.
<b>Restrictions on Use</b>	None known.
<b>Manufacturer / Supplier</b>	Transchem Inc., 1225 Franklin Blvd, Cambridge, ON, N1R 7E5, 1-800-265-9100, www.transchem.com
<b>Supplier</b>	Transchem Pro Inc., 350 S. Northwest Highway, Park Ridge, IL, 60068, 1 (877) 857-3870, www.turtlewaxpro.com
<b>Emergency Phone No.</b>	CANUTEC (Canada), 613-996-6666, 24 Hours INFOTRAC (U.S.), 1-800-535-5053, 24 Hours
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## SECTION 2. HAZARDS IDENTIFICATION

### GHS Classification

Flammable liquid - Category 4; Skin corrosion/irritation - Category 2; Serious eye damage/eye irritation - Category 2A; Skin sensitization - Category 1A

### GHS Label Elements



Signal Word:

Warning

Hazard Statement(s):

H227	Combustible liquid.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.

Prevention:

P210	Keep away from flames and hot surfaces. – No smoking.
P261	Avoid breathing dust, fume, gas, mist, vapours or spray.
P264	Wash hands and skin thoroughly after handling.
P272	Contaminated work clothing must not be allowed out of the workplace.
P280	Wear protective gloves/eye protection/face protection.

Response:

P302 + P352	IF ON SKIN: Wash with plenty of water.
P362 + P364	Take off contaminated clothing and wash it before reuse.
P333 + P313	If skin irritation or rash occurs: Get medical advice/attention.
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.
P370 + P378	In case of fire: Use dry chemical powder, appropriate foam to extinguish.

Storage:

P403 + P235	Store in a well-ventilated place. Keep cool.
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Disposal:

P501 Dispose of contents/container in accordance with local, regional, national and international regulations.

**Other Hazards**

None known.

### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	%	Other Identifiers
Distillates (Petroleum), Hydrotreated Middle	64742-46-7	5-10	Mineral Seal Oil
Quaternary ammonium compounds, dicoco alkyldimethyl, chlorides	61789-77-3	3-7	Di-Alkyl Quaternary Ammonium Chloride
2-Butoxyethanol	111-76-2	1-5	Ethylene Glycol Monobutyl Ether
Amines, C14-18 and C16-18-unsatd. alkyl, ethoxylated	68155-39-5	1-5	Ethoxylated Fatty Acid Amine
d-Limonene	5989-27-5	1-5	(R)-p-mentha-1,8-diene
2-Propanol	67-63-0	1-5	Isopropyl Alcohol

**Notes**

The specific chemical identity and/or exact percentage of composition (concentration) has been withheld as a trade secret.

### SECTION 4. FIRST-AID MEASURES

**First-aid Measures**

**Inhalation**

Move to fresh air. Get medical advice/attention if you feel unwell or are concerned.

**Skin Contact**

Take off contaminated clothing, shoes and leather goods (e.g. watchbands, belts). Immediately wash gently and thoroughly with lukewarm, gently flowing water and mild soap for 15-20 minutes. Thoroughly clean clothing, shoes and leather goods before reuse or dispose of safely. If skin irritation or a rash occurs, get medical advice/attention.

**Eye Contact**

Immediately rinse the contaminated eye(s) with lukewarm, gently flowing water for 15-20 minutes, while holding the eyelid(s) open. Remove contact lenses, if present and easy to do. If eye irritation persists, get medical advice/attention.

**Ingestion**

Never give anything by mouth if victim is rapidly losing consciousness, or is unconscious or convulsing. Do not induce vomiting. Rinse mouth with water. Drink large amounts of water. Immediately call a Poison Centre or doctor.

**Most Important Symptoms and Effects, Acute and Delayed**

If on skin: may cause moderate to severe irritation. If in eyes: causes moderate to severe irritation. Symptoms include sore, red eyes, and tearing.

**Immediate Medical Attention and Special Treatment**

**Target Organs**

Eyes, skin.

**Special Instructions**

Rinse affected area (skin, eyes) thoroughly with water.

**Medical Conditions Aggravated by Exposure**

None known.

### SECTION 5. FIRE-FIGHTING MEASURES

**Extinguishing Media**

**Suitable Extinguishing Media**

Carbon dioxide, dry chemical powder, appropriate foam, water spray or fog.

### Unsuitable Extinguishing Media

None known.

### Specific Hazards Arising from the Chemical

Can ignite if strongly heated. Do not direct solid stream of water into burning liquid. Contact with water causes violent frothing and spattering.

### Special Protective Equipment and Precautions for Fire-fighters

Review Section 6 (Accidental Release Measures) for important information on responding to leaks/spills. See Skin Protection in Section 8 (Exposure Controls/Personal Protection) for advice on suitable chemical protective materials.

## SECTION 6. ACCIDENTAL RELEASE MEASURES

### Personal Precautions, Protective Equipment, and Emergency Procedures

Use the personal protective equipment recommended in Section 8 of this safety data sheet.

### Environmental Precautions

Concentrated product: it is good practice to prevent releases into the environment. Do not allow into any sewer, on the ground or into any waterway.

### Methods and Materials for Containment and Cleaning Up

Review Section 7 (Handling) of this safety data sheet before proceeding with clean-up.

Small spills or leaks: contain and soak up spill with absorbent that does not react with spilled product. Place used absorbent into suitable, covered, labelled containers for disposal.

Large spills or leaks: dike spilled product to prevent runoff. Remove or recover liquid using pumps or vacuum equipment.

Contact emergency services and manufacturer/supplier for advice. Review Section 13 (Disposal Considerations) of this safety data sheet.

### Other Information

Report spills to local health, safety and environmental authorities, as required.

## SECTION 7. HANDLING AND STORAGE

### Precautions for Safe Handling

Do not get in eyes, on skin or on clothing. Only use where there is adequate ventilation. Avoid release to the environment. Eliminate heat and ignition sources such as sparks, open flames, hot surfaces and static discharge. Post "No Smoking" signs. Wear personal protective equipment to avoid direct contact with this chemical. Do NOT smoke in work areas. Thoroughly clean clothing, shoes and leather goods before reuse or dispose of safely. See Section 13 (Disposal Considerations) of this safety data sheet.

### Conditions for Safe Storage

Store in an area that is: clean, dry, well-ventilated, out of direct sunlight and away from heat and ignition sources, separate from incompatible materials (see Section 10: Stability and Reactivity). Store in a closed container. Comply with all applicable health and safety regulations, fire and building codes.

## SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control Parameters

Chemical Name	ACGIH TLV®		OSHA PEL		AIHA WEEL	
	TWA	STEL	TWA	Ceiling	8-hr TWA	TWA
2-Butoxyethanol	20 ppm C Skin		50 ppm Skin			
Distillates (Petroleum), Hydrotreated Middle	5 mg/m <sup>3</sup>	10 mg/m <sup>3</sup>	5 mg/m <sup>3</sup>			
2-Propanol	200 ppm	400 ppm				

### Appropriate Engineering Controls

General ventilation is usually adequate. Use local exhaust ventilation, if general ventilation is not adequate to control amount in the air. Provide eyewash in work area, if contact or splash hazard exists.

### Individual Protection Measures

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**Eye/Face Protection**

Wear chemical safety goggles and face shield when contact is possible.

**Skin Protection**

Wear chemical protective clothing e.g. gloves, aprons, boots.  
Suitable materials are: polyvinyl chloride, latex rubber, butyl rubber.

**Respiratory Protection**

Not normally required if product is used as directed.

**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES****Basic Physical and Chemical Properties**

<b>Appearance</b>	Dark orange liquid.
<b>Odour</b>	Creamsicle
<b>Odour Threshold</b>	Not available
<b>pH</b>	6.5 - 8.0
<b>Melting Point/Freezing Point</b>	Not available (melting); Not available (freezing)
<b>Initial Boiling Point/Range</b>	Not available
<b>Flash Point</b>	~ 69 °C (156 °F)
<b>Evaporation Rate</b>	Not available
<b>Flammability (solid, gas)</b>	Not available
<b>Upper/Lower Flammability or Explosive Limit</b>	Not applicable (upper); Not applicable (lower)
<b>Vapour Pressure</b>	Not available
<b>Vapour Density (air = 1)</b>	Not applicable
<b>Relative Density (water = 1)</b>	0.98
<b>Solubility</b>	Soluble in water
<b>Partition Coefficient, n-Octanol/Water (Log Kow)</b>	Not available
<b>Auto-ignition Temperature</b>	Not available
<b>Decomposition Temperature</b>	Not available
<b>Viscosity</b>	Not available (kinematic)
<b>Other Information</b>	
<b>Physical State</b>	Liquid

**SECTION 10. STABILITY AND REACTIVITY****Reactivity**

Not reactive.

**Chemical Stability**

Normally stable.

**Possibility of Hazardous Reactions**

None known.

**Conditions to Avoid**

Open flames, sparks, static discharge, heat and other ignition sources. Incompatible materials.

**Incompatible Materials**

Strong oxidizing agents (e.g. perchloric acid).

**Hazardous Decomposition Products**

None known.

**SECTION 11. TOXICOLOGICAL INFORMATION****Likely Routes of Exposure**

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Inhalation; skin contact; eye contact; ingestion.

#### Acute Toxicity

Chemical Name	LC50	LD50 (oral)	LD50 (dermal)
2-Butoxyethanol	450 ppm (female rat) (4-hour exposure)	400-917 mg/kg (rat)	220 mg/kg (rabbit)
Quaternary ammonium compounds, dicoco alkyldimethyl, chlorides		200-2000 mg/kg (rat)	
Distillates (Petroleum), Hydrotreated Middle	> 10 mg/L (rat) (4-hour exposure)	> 5,000 mg/kg (rat)	> 2000 mg/kg (rabbit)
d-Limonene		4400 mg/kg (rat)	> 5000 mg/kg (rabbit)
2-Propanol	72600 mg/m <sup>3</sup> (rat) (4-hour exposure)	1870 mg/kg (rat)	4059 mg/kg (rabbit)

#### Skin Corrosion/Irritation

Human experience shows moderate or severe irritation.

#### Serious Eye Damage/Irritation

Human experience shows serious eye irritation. Symptoms include sore, red eyes, and tearing.

#### STOT (Specific Target Organ Toxicity) - Single Exposure

##### Inhalation

May cause nose and throat irritation, lung irritation, coughing, headaches.

##### Ingestion

May cause irritation of the mouth, throat and stomach. Symptoms may include nausea, vomiting, stomach cramps and diarrhea.

#### Aspiration Hazard

No information was located.

#### STOT (Specific Target Organ Toxicity) - Repeated Exposure

Symptoms may include dry, red, cracked skin (dermatitis).

#### Respiratory and/or Skin Sensitization

(d-Limonene) sensitization may occur following exposure to the liquid or vapour.

#### Carcinogenicity

Chemical Name	IARC	ACGIH®	NTP	OSHA
2-Butoxyethanol	Group 3	A3		
d-Limonene	Group 3			
2-Propanol	Group 3			

#### Reproductive Toxicity

##### Development of Offspring

Not known to harm the unborn child.

##### Sexual Function and Fertility

Not known to cause effects on sexual function or fertility.

##### Effects on or via Lactation

Not known to cause effects on or via lactation.

#### Germ Cell Mutagenicity

No information was located.

#### Interactive Effects

No information was located.

## SECTION 12. ECOLOGICAL INFORMATION

All components of this product are biodegradable by Regulation (EC) No 648/2004.

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## Toxicity

### Acute Aquatic Toxicity

Chemical Name	LC50 Fish	EC50 Crustacea	ErC50 Aquatic Plants	ErC50 Algae
2-Butoxyethanol	1490-2950 mg/L (Lepomis macrochirus (bluegill); 96-hour)	1550 mg/L (Daphnia magna (water flea); 48-hour)		
Quaternary ammonium compounds, dicoco alkyl dimethyl, chlorides	0.195 mg/L (96-hour)	0.3 mg/L (Daphnia magna (water flea); 48-hour)		
d-Limonene	0.619-0.796 mg/L (Pimephales promelas (fathead minnow); 96-hour; flow-through)	28.2 mg/L (Daphnia magna (water flea); 48-hour; flow-through)		
2-Propanol	11130 mg/L (Pimephales promelas (fathead minnow); 96-hour; static)	13299 mg/L (Daphnia magna (water flea); 48-hour)		

### Chronic Aquatic Toxicity

Chemical Name	NOEC Fish	EC50 Fish	NOEC Crustacea	EC50 Crustacea
2-Butoxyethanol	> 100 mg/L (21-day; semi-static)		> 100 mg/L (Daphnia magna (water flea); 21-day; semi-static)	
Quaternary ammonium compounds, dicoco alkyl dimethyl, chlorides			0.15 mg/L (Daphnia magna (water flea); 21-day)	

### Persistence and Degradability

(Quaternary ammonium compounds, dicoco alkyl dimethyl, chlorides) Degrades rapidly based on quantitative tests. Biodegradable as per OECD 301E tests for ready biodegradability.

(2-Butoxyethanol) Degrades rapidly based on quantitative tests. Biodegradable as per OECD 301E tests for ready biodegradability.

## SECTION 13. DISPOSAL CONSIDERATIONS

### Disposal Methods

Review federal, state/provincial, and local government requirements prior to disposal.

## SECTION 14. TRANSPORT INFORMATION

Not regulated under Canadian TDG Regulations. Not regulated under US DOT Regulations.

**Special Precautions for User** Not applicable

### Transport in Bulk According to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

## SECTION 15. REGULATORY INFORMATION

### Safety, Health and Environmental Regulations

#### Canada

#### Domestic Substances List (DSL) / Non-Domestic Substances List (NDSL)

All ingredients are listed on the DSL/NDSL.

#### USA

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### Toxic Substances Control Act (TSCA) Section 8(b)

All ingredients are on the TSCA Inventory or are exempt from TSCA Inventory requirements under 40 CFR 720.

### Additional USA Regulatory Lists

SARA Title III - Section 313: 2-butoxyethanol (CAS: 111-76-2).

New Jersey Right To Know: 2-butoxyethanol (CAS: 111-76-2); 2-propanol (CAS: 67-63-0).

California Proposition 65: No listed substances are known to be present.

## SECTION 16. OTHER INFORMATION

**NFPA Rating**                      **Health - 1**    **Flammability - 2**    **Instability - 0**

**SDS Prepared By**              Technical Group

**Date of Preparation**          November 15, 2019

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