



SAFETY DATA SHEET

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

1.1. Product identifier

Trade name or designation of the mixture	Showroom Shine
Registration number	-
Synonyms	None.
Product Code	1104
Issue date	03-30-2015
Version number	04
Revision date	06-23-2015
Supersedes date	04-02-2015

Distributor in New Zealand

Pacer Car Clean Products NZ LTD
33 Ha Crescent Wiri
Auckland, New Zealand
Telephone: +64 9 25000 91
Fax: +64 9 25000 92
Web: :www.pacer.co.nz

1.2. Relevant identified uses of the substance or mixture and uses advised against

Identified uses	Instant Detailer
Uses advised against	None known.

1.3. Details of the supplier of the safety data sheet

Supplier	
Company name	Malco Products, Inc.
Address	361 Fairview Ave Barberton, OH 44203 US
Division	
Telephone	Phone 800-253-2526 Fax 330-777-8317
e-mail	msdsinfo@malcopro.com
Contact person	Not available.

24hr Emergency Assistance in New Zealand
National Poison Control Center: 0800 Poison [764 766]

1.4. Emergency telephone number	Phone 1-800-424-9300
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SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

The mixture has been assessed and/or tested for its physical, health and environmental hazards and the following classification applies.

Classification according to Regulation (EC) No 1272/2008 as amended

This mixture does not meet the criteria for classification according to Regulation (EC) 1272/2008 as amended.

Hazard summary Not available.

Hazard Summary (according to Dangerous Substances Directive)

Physical hazards	Not classified for physical hazards.
Health hazards	Not classified for health hazards. However, occupational exposure to the mixture or substance(s) may cause adverse health effects.
Environmental hazards	Not classified for hazards to the environment.
Specific hazards	None known.
Main symptoms	Direct contact with eyes may cause temporary irritation.

2.2. Label elements

Label according to Regulation (EC) No. 1272/2008 as amended

Contains:	Propan-2-ol (Isopropyl Alcohol)
Hazard pictograms	None.
Signal word	None.
Hazard statements	The mixture does not meet the criteria for classification.

Precautionary statements

Prevention	Observe good industrial hygiene practices.
Response	Wash hands after handling.
Storage	Store away from incompatible materials.

Disposal	Dispose of waste and residues in accordance with local authority requirements.
Supplemental label information	None.
2.3. Other hazards	None known.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

General information

Chemical name	%	CAS-No. / EC No.	REACH Registration No.	Index No.	Notes
Propan-2-ol (Isopropyl Alcohol)	1 - < 3	67-63-0 200-661-7	-	603-117-00-0	
Classification:	Flam. Liq. 2;H225, Eye Irrit. 2;H319, STOT SE 3;H336				

Other components below reportable levels 90 - 100

List of abbreviations and symbols that may be used above

CLP: Regulation No. 1272/2008.

DSD: Directive 67/548/EEC.

M: M-factor

vPvB: very persistent and very bioaccumulative substance.

PBT: persistent, bioaccumulative and toxic substance.

#: This substance has been assigned Community workplace exposure limit(s).

Composition comments The full text for all R- and H-phrases is displayed in section 16.

SECTION 4: First aid measures

General information Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

4.1. Description of first aid measures

Inhalation Move to fresh air. Call a physician if symptoms develop or persist.

Skin contact Wash off with soap and water. Get medical attention if irritation develops and persists.

Eye contact Rinse with water. Get medical attention if irritation develops and persists.

Ingestion Get medical attention if symptoms occur.

4.2. Most important symptoms and effects, both acute and delayed Not available.

4.3. Indication of any immediate medical attention and special treatment needed Treat symptomatically.

SECTION 5: Firefighting measures

General fire hazards No unusual fire or explosion hazards noted.

5.1. Extinguishing media

Suitable extinguishing media Water fog. Foam. Dry chemical powder. Carbon dioxide (CO₂).

Unsuitable extinguishing media Do not use water jet as an extinguisher, as this will spread the fire.

5.2. Special hazards arising from the substance or mixture During fire, gases hazardous to health may be formed.

5.3. Advice for firefighters

Special protective equipment for firefighters Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

Special fire fighting procedures Move containers from fire area if you can do so without risk.

Specific methods Use standard firefighting procedures and consider the hazards of other involved materials.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

For non-emergency personnel Keep unnecessary personnel away. For personal protection, see section 8 of the SDS.

For emergency responders Keep unnecessary personnel away. Use personal protection recommended in Section 8 of the SDS.

6.2. Environmental precautions Avoid discharge into drains, water courses or onto the ground.

6.3. Methods and material for containment and cleaning up

Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Cover with plastic sheet to prevent spreading. Absorb in vermiculite, dry sand or earth and place into containers. Following product recovery, flush area with water.

Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

Never return spills to original containers for re-use.

6.4. Reference to other sections

For personal protection, see section 8 of the SDS. For waste disposal, see section 13 of the SDS.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Avoid prolonged exposure. Observe good industrial hygiene practices.

7.2. Conditions for safe storage, including any incompatibilities

Store in original tightly closed container. Store away from incompatible materials (see Section 10 of the SDS).

7.3. Specific end use(s)

Not available.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational exposure limits

Austria. MAK List, OEL Ordinance (GwV), BGBl. II, no. 184/2001

Components	Type	Value
Propan-2-ol (Isopropyl Alcohol) (CAS 67-63-0)	MAK	500 mg/m ³
	STEL	200 ppm
		2000 mg/m ³ 800 ppm

Belgium. Exposure Limit Values.

Components	Type	Value
Propan-2-ol (Isopropyl Alcohol) (CAS 67-63-0)	STEL	1000 mg/m ³
	TWA	400 ppm
		500 mg/m ³ 200 ppm

Bulgaria. OELs. Regulation No 13 on protection of workers against risks of exposure to chemical agents at work

Components	Type	Value
Propan-2-ol (Isopropyl Alcohol) (CAS 67-63-0)	STEL	1225 mg/m ³
	TWA	980 mg/m ³

Croatia. Dangerous Substance Exposure Limit Values in the Workplace (ELVs), Annexes 1 and 2, Narodne Novine, 13/09

Components	Type	Value
Propan-2-ol (Isopropyl Alcohol) (CAS 67-63-0)	MAC	999 mg/m ³
	STEL	400 ppm
		1250 mg/m ³ 500 ppm

Cyprus. OELs. Control of factory atmosphere and dangerous substances in factories regulation, PI 311/73, as amended.

Components	Type	Value
Propan-2-ol (Isopropyl Alcohol) (CAS 67-63-0)	TWA	980 mg/m ³
		400 ppm

Czech Republic. OELs. Government Decree 361

Components	Type	Value
Propan-2-ol (Isopropyl Alcohol) (CAS 67-63-0)	Ceiling	1000 mg/m ³
	TWA	500 mg/m ³

Denmark. Exposure Limit Values

Components	Type	Value
Propan-2-ol (Isopropyl Alcohol) (CAS 67-63-0)	TLV	490 mg/m ³
		200 ppm

Estonia. OELs. Occupational Exposure Limits of Hazardous Substances. (Annex of Regulation No. 293 of 18 September 2001)

Components	Type	Value
Propan-2-ol (Isopropyl Alcohol) (CAS 67-63-0)	STEL	600 mg/m ³
		250 ppm
	TWA	350 mg/m ³ 150 ppm

Finland. Workplace Exposure Limits

Components	Type	Value
Propan-2-ol (Isopropyl Alcohol) (CAS 67-63-0)	STEL	620 mg/m ³
		250 ppm
	TWA	500 mg/m ³ 200 ppm

France. Threshold Limit Values (VLEP) for Occupational Exposure to Chemicals in France, INRS ED 984

Components	Type	Value
Propan-2-ol (Isopropyl Alcohol) (CAS 67-63-0)	VLE	980 mg/m ³
		400 ppm

Germany. DFG MAK List (advisory OELs). Commission for the Investigation of Health Hazards of Chemical Compounds in the Work Area (DFG)

Components	Type	Value
Propan-2-ol (Isopropyl Alcohol) (CAS 67-63-0)	TWA	500 mg/m ³
		200 ppm

Germany. TRGS 900, Limit Values in the Ambient Air at the Workplace

Components	Type	Value
Propan-2-ol (Isopropyl Alcohol) (CAS 67-63-0)	AGW	500 mg/m ³
		200 ppm

Greece. OELs (Decree No. 90/1999, as amended)

Components	Type	Value
Propan-2-ol (Isopropyl Alcohol) (CAS 67-63-0)	STEL	1225 mg/m ³
		500 ppm
	TWA	980 mg/m ³ 400 ppm

Hungary. OELs. Joint Decree on Chemical Safety of Workplaces

Components	Type	Value
Propan-2-ol (Isopropyl Alcohol) (CAS 67-63-0)	STEL	2000 mg/m ³
	TWA	500 mg/m ³

Iceland. OELs. Regulation 154/1999 on occupational exposure limits

Components	Type	Value
Propan-2-ol (Isopropyl Alcohol) (CAS 67-63-0)	TWA	490 mg/m ³
		200 ppm

Ireland. Occupational Exposure Limits

Components	Type	Value
Propan-2-ol (Isopropyl Alcohol) (CAS 67-63-0)	STEL	400 ppm
	TWA	200 ppm

Italy. Occupational Exposure Limits

Components	Type	Value
Propan-2-ol (Isopropyl Alcohol) (CAS 67-63-0)	STEL	400 ppm
	TWA	200 ppm
Latvia. OELs. Occupational exposure limit values of chemical substances in work environment		
Components	Type	Value
Propan-2-ol (Isopropyl Alcohol) (CAS 67-63-0)	STEL	600 mg/m3
	TWA	350 mg/m3
Lithuania. OELs. Limit Values for Chemical Substances, General Requirements		
Components	Type	Value
Propan-2-ol (Isopropyl Alcohol) (CAS 67-63-0)	STEL	600 mg/m3
	TWA	250 ppm
		350 mg/m3 150 ppm
Norway. Administrative Norms for Contaminants in the Workplace		
Components	Type	Value
Propan-2-ol (Isopropyl Alcohol) (CAS 67-63-0)	TLV	245 mg/m3
		100 ppm
Poland. MACs. Minister of Labour and Social Policy Regarding Maximum Allowable Concentrations and Intensities in Working Environment		
Components	Type	Value
Propan-2-ol (Isopropyl Alcohol) (CAS 67-63-0)	STEL	1200 mg/m3
	TWA	900 mg/m3
Portugal. VLEs. Norm on occupational exposure to chemical agents (NP 1796)		
Components	Type	Value
Propan-2-ol (Isopropyl Alcohol) (CAS 67-63-0)	STEL	400 ppm
	TWA	200 ppm
Romania. OELs. Protection of workers from exposure to chemical agents at the workplace		
Components	Type	Value
Propan-2-ol (Isopropyl Alcohol) (CAS 67-63-0)	STEL	500 mg/m3
	TWA	203 ppm
		200 mg/m3 81 ppm
Slovakia. OELs. Regulation No. 300/2007 concerning protection of health in work with chemical agents		
Components	Type	Value
Propan-2-ol (Isopropyl Alcohol) (CAS 67-63-0)	STEL	1000 mg/m3
	TWA	400 ppm
		500 mg/m3 200 ppm
Slovenia. OELs. Regulations concerning protection of workers against risks due to exposure to chemicals while working (Official Gazette of the Republic of Slovenia)		
Components	Type	Value
Propan-2-ol (Isopropyl Alcohol) (CAS 67-63-0)	TWA	500 mg/m3
		200 ppm
Spain. Occupational Exposure Limits		
Components	Type	Value
Propan-2-ol (Isopropyl Alcohol) (CAS 67-63-0)	STEL	1000 mg/m3
	TWA	400 ppm
		500 mg/m3 200 ppm

Sweden. Occupational Exposure Limit Values

Components	Type	Value
Propan-2-ol (Isopropyl Alcohol) (CAS 67-63-0)	STEL	600 mg/m3
	TWA	250 ppm
		350 mg/m3 150 ppm

Switzerland. SUVA Grenzwerte am Arbeitsplatz

Components	Type	Value
Propan-2-ol (Isopropyl Alcohol) (CAS 67-63-0)	STEL	1000 mg/m3
	TWA	400 ppm
		500 mg/m3 200 ppm

UK. EH40 Workplace Exposure Limits (WELs)

Components	Type	Value
Propan-2-ol (Isopropyl Alcohol) (CAS 67-63-0)	STEL	1250 mg/m3
	TWA	500 ppm
		999 mg/m3 400 ppm

Biological limit values

Germany. TRGS 903, BAT List (Biological Limit Values)

Components	Value	Determinant	Specimen	Sampling Time
Propan-2-ol (Isopropyl Alcohol) (CAS 67-63-0)	25 mg/l	Aceton	Urine	*
	25 mg/l	Aceton	Blood	*

* - For sampling details, please see the source document.

Spain. Biological Limit Values (VLBs), Occupational Exposure Limits for Chemical Agents, Table 4

Components	Value	Determinant	Specimen	Sampling Time
Propan-2-ol (Isopropyl Alcohol) (CAS 67-63-0)	40 mg/l	Acetona	Urine	*

* - For sampling details, please see the source document.

Switzerland. BAT-Werte (Biological Limit Values in the Workplace as per SUVA)

Components	Value	Determinant	Specimen	Sampling Time
Propan-2-ol (Isopropyl Alcohol) (CAS 67-63-0)	25 mg/l	Aceton	Urine	*
	25 mg/l	Aceton	Blood	*

* - For sampling details, please see the source document.

Recommended monitoring procedures Follow standard monitoring procedures.

Derived no-effect level (DNEL) Not available.

Predicted no effect concentrations (PNECs) Not available.

8.2. Exposure controls

Appropriate engineering controls Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

Individual protection measures, such as personal protective equipment

General information Personal protection equipment should be chosen according to the CEN standards and in discussion with the supplier of the personal protective equipment.

Eye/face protection Wear safety glasses with side shields (or goggles).

Skin protection

- Hand protection Wear appropriate chemical resistant gloves. Suitable gloves can be recommended by the glove supplier.

- Other Wear suitable protective clothing.

Respiratory protection In case of insufficient ventilation, wear suitable respiratory equipment.

Thermal hazards Wear appropriate thermal protective clothing, when necessary.

Hygiene measures	Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.
Environmental exposure controls	Environmental manager must be informed of all major releases.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	Milky.
Physical state	Liquid.
Form	Liquid.
Color	Pink
Odor	Cherry
Odor threshold	Not available.
pH	6,5
Melting point/freezing point	Not available.
Initial boiling point and boiling range	Not available.
Flash point	Not available.
Evaporation rate	Not available.
Flammability (solid, gas)	Not applicable.
Upper/lower flammability or explosive limits	
Flammability limit - lower (%)	Not available.
Flammability limit - upper (%)	Not available.
Vapor pressure	Not available.
Vapor density	Not available.
Relative density	Not available.
Solubility(ies)	
Solubility (water)	Not available.
Solubility (other)	Not available.
Partition coefficient (n-octanol/water)	Not available.
Auto-ignition temperature	Not available.
Decomposition temperature	Not available.
Viscosity	Not available.
Explosive properties	Not explosive.
Oxidizing properties	Not oxidizing.
9.2. Other information	
Density	8,26 lb/gal
VOC (Weight %)	2,95 % estimated

SECTION 10: Stability and reactivity

10.1. Reactivity	The product is stable and non-reactive under normal conditions of use, storage and transport.
10.2. Chemical stability	Material is stable under normal conditions.
10.3. Possibility of hazardous reactions	No dangerous reaction known under conditions of normal use.
10.4. Conditions to avoid	Contact with incompatible materials.
10.5. Incompatible materials	Strong oxidizing agents.
10.6. Hazardous decomposition products	No hazardous decomposition products are known.

SECTION 11: Toxicological information

General information	Occupational exposure to the substance or mixture may cause adverse effects.
Information on likely routes of exposure	
Inhalation	Prolonged inhalation may be harmful.

Skin contact	No adverse effects due to skin contact are expected.
Eye contact	Not available.
Ingestion	May cause discomfort if swallowed. However, ingestion is not likely to be a primary route of occupational exposure.
Symptoms	Exposure may cause temporary irritation, redness, or discomfort.

11.1. Information on toxicological effects

Components	Species	Test Results
Propan-2-ol (Isopropyl Alcohol) (CAS 67-63-0)		
<u>Acute</u>		
Oral LD50	Mouse	4,5 g/kg

* Estimates for product may be based on additional component data not shown.

Skin corrosion/irritation	Due to partial or complete lack of data the classification is not possible.
Serious eye damage/eye irritation	Not available.
Respiratory sensitization	Due to partial or complete lack of data the classification is not possible.
Skin sensitization	Due to partial or complete lack of data the classification is not possible.
Germ cell mutagenicity	Due to partial or complete lack of data the classification is not possible.
Carcinogenicity	Due to partial or complete lack of data the classification is not possible.
Reproductive toxicity	Due to partial or complete lack of data the classification is not possible.
Specific target organ toxicity - single exposure	Not classified.
Specific target organ toxicity - repeated exposure	Due to partial or complete lack of data the classification is not possible.
Aspiration hazard	Due to partial or complete lack of data the classification is not possible.
Mixture versus substance information	No information available.
Other information	This product has no known adverse effect on human health.

SECTION 12: Ecological information

12.1. Toxicity The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

Components	Species	Test Results
Propan-2-ol (Isopropyl Alcohol) (CAS 67-63-0)		
Aquatic Fish	LC50 Bluegill (<i>Lepomis macrochirus</i>)	> 1400 mg/l, 96 hours

* Estimates for product may be based on additional component data not shown.

12.2. Persistence and degradability No data is available on the degradability of this product.

12.3. Bioaccumulative potential No data available.

Partition coefficient
n-octanol/water (log K_{ow})
Propan-2-ol (Isopropyl Alcohol) 0,05

Bioconcentration factor (BCF) Not available.

12.4. Mobility in soil No data available.

12.5. Results of PBT and vPvB assessment Not available.

12.6. Other adverse effects No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Residual waste Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).

Contaminated packaging	Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.
EU waste code	The Waste code should be assigned in discussion between the user, the producer and the waste disposal company.
Disposal methods/information	Collect and reclaim or dispose in sealed containers at licensed waste disposal site.
Special precautions	Dispose in accordance with all applicable regulations.

SECTION 14: Transport information

ADR

Not regulated as dangerous goods.

RID

Not regulated as dangerous goods.

ADN

Not regulated as dangerous goods.

IATA

Not regulated as dangerous goods.

IMDG

Not regulated as dangerous goods.

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

Not established.

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

EU regulations

Regulation (EC) No. 1005/2009 on substances that deplete the ozone layer, Annex I, as amended
Not listed.

Regulation (EC) No. 1005/2009 on substances that deplete the ozone layer, Annex II, as amended
Not listed.

Regulation (EC) No. 850/2004 On persistent organic pollutants, Annex I as amended
Not listed.

Regulation (EC) No. 689/2008 concerning the export and import of dangerous chemicals, Annex I, part 1 as amended
Not listed.

Regulation (EC) No. 689/2008 concerning the export and import of dangerous chemicals, Annex I, part 2 as amended
Not listed.

Regulation (EC) No. 689/2008 concerning the export and import of dangerous chemicals, Annex I, part 3 as amended
Not listed.

Regulation (EC) No. 689/2008 concerning the export and import of dangerous chemicals, Annex V as amended
Not listed.

Regulation (EC) No. 166/2006 Annex II Pollutant Release and Transfer Registry, as amended
Not listed.

Regulation (EC) No. 1907/2006, REACH Article 59(10) Candidate List as currently published by ECHA
Not listed.

Authorizations

Regulation (EC) No. 1907/2006, REACH Annex XIV Substances subject to authorization, as amended
Not listed.

Regulation (EC) No. 1907/2006, REACH Annex XVII Substances subject to restriction on marketing and use as amended
Not listed.

Restrictions on use

Regulation (EC) No. 1907/2006, REACH Annex XVII Substances subject to restriction on marketing and use as amended
Not listed.

Directive 2004/37/EC: on the protection of workers from the risks related to exposure to carcinogens and mutagens at work, as amended
Not listed.

Directive 92/85/EEC: on the safety and health of pregnant workers and workers who have recently given birth or are breastfeeding, as amended
Not listed.

Not listed.

Other EU regulations

Directive 2012/18/EU on major accident hazards involving dangerous substances

Propan-2-ol (Isopropyl Alcohol) (CAS 67-63-0)

Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work, as amended

Propan-2-ol (Isopropyl Alcohol) (CAS 67-63-0)

Directive 94/33/EC on the protection of young people at work, as amended

Not listed.

Other regulations

The product is classified and labelled in accordance with EC directives or respective national laws. This Safety Data Sheet complies with the requirements of Regulation (EC) No 1907/2006.

National regulations

Follow national regulation for work with chemical agents.

15.2. Chemical safety assessment

No Chemical Safety Assessment has been carried out.

SECTION 16: Other information

List of abbreviations

Not available.

References

Not available.

Information on evaluation method leading to the classification of mixture

The classification for health and environmental hazards is derived by a combination of calculation methods and test data, if available.

Full text of any H-statements not written out in full under Sections 2 to 15

H225 Highly flammable liquid and vapor.
H319 Causes serious eye irritation.
H336 May cause drowsiness or dizziness.

Revision information

This document has undergone significant changes and should be reviewed in its entirety.

Training information

Follow training instructions when handling this material.

Disclaimer

Malco Automotive cannot anticipate all conditions under which this information and its product, or the products of other manufacturers in combination with its product, may be used. It is the user's responsibility to ensure safe conditions for handling, storage and disposal of the product, and to assume liability for loss, injury, damage or expense due to improper use. The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.