

Material Safety Data Sheet

Print Date: 01/29/2019

Revision Date : 03/27/2014

Page 1 of 11

Commercial Product Name: **Cleaning solution**

Part number: D 00940104

Version : 1.4

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name	:	Cleaning solution
MSDS Number	:	888100000289
Product Use Description	:	Cleaning agent for various surfaces.
Company	:	Volkswagen Canada, Inc. 777 Bayly Street West Ajax, Ontario Canada L1S 7G7
Telephone	:	248 754 4944 8:00 am. – 5:00 pm. EST
Telefax	:	248 754 4943
Emergency telephone number	:	631 996 6666

SECTION 2. HAZARDS IDENTIFICATION

Emergency Overview

Regulatory status : This product, material or substance is a WHMIS controlled product per Sections 33 - 66, Part IV of the CPR.

Signal Word	:	WARNING
Form	:	liquid
Colour	:	clear
Odour	:	alcohol-like
Odour - Control parameters	:	No data available
Hazard Summary	:	Irritant May cause fire. Flammable.

Potential Health Effects

Skin : May cause skin irritation.

Material Safety Data Sheet

Print Date: 01/29/2019

Revision Date : 03/27/2014

Page 2 of 11

Commercial Product Name: **Cleaning solution**

Part number: D 00940104

Version : 1.4

Eyes : May cause eye irritation.

Target Organs : Central nervous system
Eyes
Skin

Carcinogenicity:
ACGIH : No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

NTP : No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

IARC : No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

OSHA : No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

CA Prop 65 : This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS-No.	Weight percent
propan-2-ol	67-63-0	>= 75 - < 80

Material Safety Data Sheet

Print Date: 01/29/2019

Revision Date : 03/27/2014

Page 3 of 11

Commercial Product Name: **Cleaning solution**

Part number: D 00940104

Version : 1.4

SECTION 4. FIRST AID MEASURES

- | | |
|----------------|--|
| General advice | : In the case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). When symptoms persist or in all cases of doubt seek medical advice. Never give anything by mouth to an unconscious person. Remove from exposure, lie down. |
| Inhalation | : Remove to fresh air. Keep patient warm and at rest. If symptoms persist, call a physician. |
| Skin contact | : Wash off immediately with soap and plenty of water. |
| Eye contact | : Remove contact lenses. In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice. |
| Ingestion | : If a person vomits when lying on his back, place him in the recovery position. If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting. |

SECTION 5. FIREFIGHTING MEASURES

- | | |
|--------------------------------------|--|
| Form | : liquid |
| Flash point | : 13.0 ° C (55.4 ° F) |
| Lower explosion limit | : 2.0 %(V) |
| Upper explosion limit | : 12.0 %(V) |
| Suitable extinguishing media | : Any |
| Specific hazards during firefighting | : Hazardous decomposition products formed under fire conditions. |

Material Safety Data Sheet

Print Date: 01/29/2019

Revision Date : 03/27/2014

Page 4 of 11

Commercial Product Name: **Cleaning solution**

Part number: D 00940104

Version : 1.4

Special protective equipment for firefighters : In the event of fire, wear self-contained breathing apparatus.

Further information : Standard procedure for chemical fires.

Use water spray to cool unopened containers.

Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions : Wear personal protective equipment.

Refer to protective measures listed in sections 7 and 8.

Environmental precautions : Should not be released into the environment.

If the product contaminates rivers and lakes or drains inform respective authorities.

Methods for cleaning up : Contain and collect spillage with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations.

SECTION 7. HANDLING AND STORAGE

Handling

Handling : For personal protection see section 8.

Do not smoke.

Take precautionary measures against static discharges.

Avoid contact with skin and eyes.

Material Safety Data Sheet

Print Date: 01/29/2019

Revision Date : 03/27/2014

Page 5 of 11

Commercial Product Name: **Cleaning solution**

Part number: D 00940104

Version : 1.4

Advice on protection : Do not smoke.
 against fire and explosion Keep away from heat and sources of ignition.
 Do not empty into drains.
 Take necessary action to avoid static electricity discharge
 (which might cause ignition of organic vapours).
 Avoid formation of aerosol.

Dust explosion class : not applicable

Storage

Requirements for storage : Keep containers tightly closed in a dry, cool and well-ventilated
 areas and containers place.

Advice on common storage : Keep away from food, drink and animal feedingstuffs.

Other data : No decomposition if stored and applied as directed.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

Components	CAS-No.	List	Type:	Value	Update
propan-2-ol	67-63-0	CA AB OEL	STEL	500 ppm 1,230 mg/m3	2004-04-30
		CA AB OEL	TWA	400 ppm 983 mg/m3	2004-04-30
		CA AB OEL	STEL	400 ppm 984 mg/m3	2009-04-30
		CA AB OEL	TWA	200 ppm 492	2009-04-30

Material Safety Data Sheet

Print Date: 01/29/2019

Revision Date : 03/27/2014

Page 6 of 11

Commercial Product Name: **Cleaning solution**

Part number: D 00940104

Version : 1.4

				mg/m3	
		CA BC OEL	TWA	200 ppm	2006-11-29
		CA BC OEL	STEL	400 ppm	2006-11-29
		CA QC OEL	TWAEV	400 ppm 983 mg/m3	2006-12-29
		CA QC OEL	STEV	500 ppm 1,230 mg/m3	2006-12-29

Engineering measures : Provide adequate ventilation.

Eye protection : Safety glasses

Hand protection : Choose gloves to protect hands against chemicals depending on the concentration and quantity of the hazardous substance and specific to place of work.
For special applications, we recommend clarifying the resistance to chemicals of the aforementioned protective gloves with the glove manufacturer.

Skin and body protection : Protective suit

Respiratory protection : In case of insufficient ventilation, wear suitable respiratory equipment.
Respirator with filter type A

Hygiene measures : Handle in accordance with good industrial hygiene and safety practice.
General industrial hygiene practice.
Keep away from food, drink and animal feedingstuffs.
Wash hands before breaks and at the end of workday.
Avoid contact with skin, eyes and clothing.
When using do not eat, drink or smoke.

Material Safety Data Sheet

Print Date: 01/29/2019

Revision Date : 03/27/2014

Page 7 of 11

Commercial Product Name: **Cleaning solution**

Part number: D 00940104

Version : 1.4

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Form	: liquid
Colour	: clear
Odour	: alcohol-like
Flash point	: 13.0 ° C (55.4 ° F)
Thermal decomposition	: Heating can release hazardous gases.
Lower explosion limit	: 2.0 %(V)
Upper explosion limit	: 12.0 %(V)
Boiling point/boiling range	: 82 ° C(180 ° F)
Density	: 0.88 g/cm3 at 20 ° C (68 ° F)
Water solubility	: soluble
Volatile organic compounds (VOC) content	: 75 %

SECTION 10. STABILITY AND REACTIVITY

Conditions to avoid	: Heat, flames and sparks.
Thermal decomposition	: Heating can release hazardous gases.
Hazardous reactions	: Vapours may form explosive mixture with air. Note: Stable under recommended storage conditions.

Material Safety Data Sheet

Print Date: 01/29/2019

Revision Date : 03/27/2014

Page 8 of 11

Commercial Product Name: **Cleaning solution**

Part number: D 00940104

Version : 1.4

SECTION 11. TOXICOLOGICAL INFORMATION

- Skin irritation : Prolonged skin contact may defat the skin and produce dermatitis.
- Eye irritation : Result: Irritating to eyes.
The liquid splashed in the eyes may cause irritation and reversible damage.
Strong lachrymation can make it difficult to escape.
- Carcinogenicity : No data is available on the product itself.
- Reproductive toxicity : No data is available on the product itself.
- Teratogenicity : No data is available on the product itself.

Component:

propan-2-ol

67-63-0

Acute oral toxicity: LD50 Rat

Dose: 5,045 mg/kg

Acute dermal toxicity: LD50 Rabbit

Dose: 12,800 mg/kg

Acute inhalation toxicity: LC50 Rat

Dose: 46.5 mg/l

Exposure time: 4 h

Eye irritation: Result: Irritating to eyes.

SECTION 12. ECOLOGICAL INFORMATION

- Adsorbed organic bound : not included
- halogens (AOX)
- Volatile organic compounds : 75 %
- (VOC) content

Material Safety Data Sheet

Print Date: 01/29/2019

Revision Date : 03/27/2014

Page 9 of 11

Commercial Product Name: **Cleaning solution**

Part number: D 00940104

Version : 1.4

Additional ecological information : The product should not be allowed to enter drains, water courses or the soil.

Component:

propan-2-ol

67-63-0

Toxicity to fish:

LC50

Species: Pimephales promelas (fathead minnow)

Dose: 9,640 mg/l

Exposure time: 96 h

Acute and prolonged toxicity for aquatic invertebrates:

EC50

Species: Daphnia magna (Water flea)

Dose: 13,299 mg/l

Exposure time: 48 h

SECTION 13. DISPOSAL CONSIDERATIONS

Adequate disposal : In accordance with local and national regulations.

SECTION 14. TRANSPORT INFORMATION**DOT 49 CFR**

Regulation : Can be shipped as consumer commodity.

TDGR

Proper shipping name : ISOPROPANOL

UN number : 1219

Class : 3

Packing group : II

Emergency Response : 129

Guidebook Number

ICAO / IATA-DGR

Material Safety Data Sheet

Print Date: 01/29/2019

Revision Date : 03/27/2014

Page 10 of 11

Commercial Product Name: **Cleaning solution**

Part number: D 00940104

Version : 1.4

ID No	: UN 1219
Description of the goods	: Isopropanol
Class	: 3
Packaging group	: II
ICAO-Labels	: 3
Packing instruction (cargo aircraft)	: 364
Packing instruction (passenger aircraft)	: 353
Packing instruction (passenger aircraft)	: Y341

IMDG-Code

UN number	: UN 1219
Description of the goods	: ISOPROPANOL
Class	: 3
Packaging group	: II
IMDG-Labels	: 3
EmS Number	: F-E S-D
Marine pollutant	: no

SECTION 15. REGULATORY INFORMATION**TSCA Status** : On TSCA Inventory**DSL Status** : All components of this product are on the Canadian DSL.**California Prop. 65** : This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

Material Safety Data Sheet

Print Date: 01/29/2019

Revision Date : 03/27/2014

Page 11 of 11

Commercial Product Name: **Cleaning solution**

Part number: D 00940104

Version : 1.4

WHMIS Classification : B2 Flammable liquid
D2B Toxic Material Causing Other Toxic Effects
Flammable liquid
Moderate skin irritant
Moderate eye irritant

This product has been classified according to the hazard criteria of the CPR and the MSDS contains all of the information required by the CPR.

SECTION 16. OTHER INFORMATION

Further information

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.

Prepared by : SAP Business Compliance Services GmbH
Birlenbacher Str. 19
D-57078 Siegen
Germany

Telephone: +49-(0)271-88072-0

Revision Date : 03/27/2014