

SAFETY DATA SHEET

Print Date: 01/29/2019

Revision Date : 11/12/2015

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Commercial Product Name: **ADDITIVE**

Part number: ZWV340002

Date of last issue: 06/27/2013

Version : 2.0

Date of first issue: 06/23/2006

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name : ADDITIVE

SDS Number : 888100003585

Product Use Description : Fuel additive

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 : 631 996 6666
number

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 : DANGER

Form : liquid

Colour : elfenbeinfarben

Odour : hydrocarbon-like

Odour - Control parameters : No data available

Hazard Summary : Toxic

May cause cancer.

Combustible Liquid

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Potential Health Effects

Eyes : May cause eye irritation.

Skin : Harmful if absorbed through skin.
May cause skin irritation.

Ingestion : Harmful or fatal if swallowed.

Inhalation : Harmful if inhaled.

Target Organs : Respiratory system

Eyes

Skin

Central nervous system

Kidney

Liver

Blood

Carcinogenicity:

NTP : naphthalene (CAS-No.: 91-20-3)

IARC : naphthalene (CAS-No.: 91-20-3)

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 : WARNING! This product contains a chemical known to the State of California to cause cancer.
naphthalene (CAS-No.: 91-20-3)

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SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS-No.	Weight percent
Stoddard solvent	8052-41-3	>= 50 - < 55
solvent naphtha (petroleum), heavy arom.	64742-94-5	>= 25 - < 35
2-Ethylhexyl nitrate	27247-96-7	>= 25 - < 35
2-butoxyethanol	111-76-2	>= 7 - < 10
Trimethylbenzene	25551-13-7	>= 7 - < 10
1,2,4-trimethylbenzene	95-63-6	>= 3 - < 5
naphthalene	91-20-3	>= 3 - < 5
vinyl acetate	108-05-4	>= 0.2 - < 0.5

SECTION 4. FIRST AID MEASURES

- General advice : If you feel unwell, seek medical advice (show the label where possible). Remove from exposure, lie down. Never give anything by mouth to an unconscious person. Take off all contaminated clothing immediately. Wash contaminated clothing before re-use.
- Inhalation : Remove to fresh air. Keep patient warm and at rest. In the case of inhalation of aerosol/mist consult a physician if necessary.
- 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.

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Ingestion : If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting. Rinse mouth.

SECTION 5. FIREFIGHTING MEASURES

Form : liquid

Flash point : 58.9 ° C (138.0 ° F)

Suitable extinguishing media : Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Extinguishing media which shall not be used for safety reasons : High volume water jet

Specific hazards during firefighting : Fire will produce dense black smoke containing hazardous combustion products (see section 10).
Exposure to decomposition products may be a hazard to health.

Special protective equipment for firefighters : Complete suit protecting against chemicals

Further information : Standard procedure for chemical fires.
In the event of fire and/or explosion do not breathe fumes.
Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Use water spray to cool unopened containers.
Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

SECTION 6. ACCIDENTAL RELEASE MEASURES

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- Personal precautions : Refer to protective measures listed in sections 7 and 8.
Ensure adequate ventilation, especially in confined areas.
- Environmental precautions : Try to prevent the material from entering drains or water courses.
Avoid subsoil penetration.
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.
- Additional advice : Contaminated surfaces will be extremely slippery.

SECTION 7. HANDLING AND STORAGE

Handling

- Handling : Avoid contact with skin and eyes.
Avoid formation of aerosol.
For personal protection see section 8.
- Advice on protection : Normal measures for preventive fire protection.
against fire and explosion
- Dust explosion class : Not applicable

Storage

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

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areas and containers place.

Advice on common storage : Keep away from food, drink and animal feedingstuffs.
Incompatible with oxidizing agents.

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
Stoddard solvent	8052-41-3	CA AB OEL	TWA	100 ppm 572 mg/m3	2007-01-01
		CA BC OEL	TWA	290 mg/m3	2006-11-29
		CA BC OEL	STEL	580 mg/m3	2006-11-29
		CA QC OEL	TWAEV	100 ppm 525 mg/m3	2006-12-29
2-butoxyethanol	111-76-2	CA AB OEL	TWA	20 ppm 97 mg/m3	2004-04-30
		CA AB OEL	TWA	20 ppm 97 mg/m3	2009-04-30
		CA BC OEL	TWA	20 ppm	2006-11-29
		CA QC OEL	TWAEV	20 ppm 97 mg/m3	2006-12-29
Trimethylbenzene	25551-13-7	CA AB OEL	TWA	25 ppm 123	2009-04-30

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				mg/m3	
		CA QC OEL	TWAEV	25 ppm 123 mg/m3	2012-11-28
		CA BC OEL	TWA	25 ppm	2014-04-07
naphthalene	91-20-3	CA AB OEL	STEL	15 ppm 79 mg/m3	2007-01-01
		CA AB OEL	TWA	10 ppm 52 mg/m3	2007-01-01
		CA BC OEL	TWA	10 ppm	2006-11-29
		CA BC OEL	STEL	15 ppm	2006-11-29
		CA QC OEL	TWAEV	10 ppm 52 mg/m3	2006-12-29
		CA QC OEL	STEV	15 ppm 79 mg/m3	2006-12-29
vinyl acetate	108-05-4	CA AB OEL	STEL	15 ppm 53 mg/m3	2007-01-01
		CA AB OEL	TWA	10 ppm 35 mg/m3	2007-01-01
		CA BC OEL	TWA	10 ppm	2006-11-29
		CA BC OEL	STEL	15 ppm	2006-11-29
		CA QC OEL	TWAEV	10 ppm 35 mg/m3	2006-12-29
		CA QC OEL	STEV	15 ppm 53 mg/m3	2006-12-29

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- 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 : Long sleeved clothing
- Respiratory protection : Not required; except in case of aerosol formation.
- Hygiene measures : Avoid contact with the skin and the eyes.
When using do not eat, drink or smoke.
Wash hands before breaks and at the end of workday.
Wash contaminated clothing before re-use.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

- Form : liquid
- Colour : elfenbeinfarben
- Odour : hydrocarbon-like
- Flash point : 58.9 ° C (138.0 ° F)
- Density : 0.79 g/cm3

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Water solubility : negligible

Volatile organic compounds : 90.3 %
(VOC) content

SECTION 10. STABILITY AND REACTIVITY

Materials to avoid : Strong oxidizing agents

Hazardous decomposition : Carbon dioxide (CO₂), carbon monoxide (CO), oxides of
products nitrogen (NO_x), dense black smoke.

Hazardous reactions : Note: Stable under recommended storage conditions.

SECTION 11. TOXICOLOGICAL INFORMATION

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.

Further information : Ingestion may cause gastrointestinal irritation, nausea,
vomiting and diarrhoea.

Component:

Stoddard solvent

8052-41-3

Carcinogenicity: Presumed to have carcinogenic potential for
humansMutagenicity: In vivo tests showed mutagenic effects

2-butoxyethanol

111-76-2

Acute oral toxicity: LD50

Dose: > 300 - 2,000 mg/kg

Acute dermal toxicity: LD50

Dose: > 1,000 - 2,000 mg/kg

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Acute inhalation toxicity: LC50

Dose: > 10 - 20 mg/l

Exposure time: 4 h

Skin irritation: Result: Severe skin irritationEye irritation: Result: irritating

1,2,4-trimethylbenzene

95-63-6

Acute inhalation toxicity: LC50

Dose: > 10 - 20 mg/l

Exposure time: 4 h

Skin irritation: Result: Severe skin irritationEye irritation: Result: irritating

naphthalene

91-20-3

Acute oral toxicity: LD50

Dose: > 300 - 2,000 mg/kg

Carcinogenicity: Suspected human carcinogens

vinyl acetate

108-05-4

Acute inhalation toxicity: LC50

Dose: > 10 - 20 mg/l

Exposure time: 4 h

Carcinogenicity: Limited evidence of a carcinogenic effect.

SECTION 12. ECOLOGICAL INFORMATION

Adsorbed organic bound : not included
halogens (AOX)

Volatile organic compounds : 90.3 %
(VOC) content

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

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SECTION 13. DISPOSAL CONSIDERATIONS

Adequate disposal : In accordance with local and national regulations.

SECTION 14. TRANSPORT INFORMATION

DOT 49 CFR

Proper shipping name : Petroleum distillates, n.o.s.
Id-No. : UN 1268
Class : 3
Packing group : III
Emergency Response : 128
Guidebook Number
Hazard inducer : (Stoddard solvent, 2-Ethylhexyl nitrate)

TDGR

Proper shipping name : PETROLEUM DISTILLATES, N.O.S.
UN number : 1268
Class : 3
Packing group : III
Emergency Response : 128
Guidebook Number
Hazard inducer : (Stoddard solvent, 2-Ethylhexyl nitrate)

ICAO / IATA-DGR

ID No : UN 1268
Description of the goods : Petroleum distillates, n.o.s.
(Stoddard solvent, 2-Ethylhexyl nitrate)
Class : 3

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Packaging group : III
ICAO-Labels : 3
Packing instruction (cargo aircraft) : 366
Packing instruction (passenger aircraft) : 355
Packing instruction (passenger aircraft) : Y344

IMDG-Code

UN number : UN 1268
Description of the goods : PETROLEUM DISTILLATES, N.O.S.
(Stoddard solvent, 2-Ethylhexyl nitrate)
Class : 3
Packaging group : III
IMDG-Labels : 3
EmS Number : F-E S-E
Marine pollutant : yes

SECTION 15. REGULATORY INFORMATION

TSCA Status : On TSCA Inventory

California Prop. 65 : WARNING! This product contains a chemical known to the State of California to cause cancer.

203-545-4

WHMIS Classification : B3 Combustible Liquid
D1B Toxic Material Causing Immediate and Serious Toxic

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Effects

D2A Very Toxic Material Causing Other Toxic Effects

D2B Toxic Material Causing Other Toxic Effects

Combustible Liquid

Toxic by ingestion

Toxic by skin absorption

Toxic by inhalation.

Carcinogen

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.

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