

according to Regulation (EG) No. 1907/2006

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

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

VAICO Petrol Additive

VAICO No:
V60-1010

1.2. Details of the supplier of the safety data sheet

1.2.1. Manufacturer/Supplier:

VIEROL AG | Karlstraße 19 | 26123 Oldenburg | Germany
Telefon +49 441 - 210 20-0 | Telefax +49 441 - 210 20-111

1.2.2. Responsible Department:

VIEROL AG | Karlstraße 19 | 26123 Oldenburg | Germany
Telefon +49 441 - 210 20-0 | Telefax +49 441 - 210 20-111

1.3. Emergency telephone number:

Gift-Informationszentrum Nord (Göttingen)
Telefon +49 (0)551/ 19240

2. HAZARD'S IDENTIFICATION

2.1. Classification of the substance or mixture

Regulation (EC) No. 1272/2008

GHS08 health hazard



STOT RE 1 H372 Causes damage to the central nervous system through prolonged or repeated exposure.
Asp. Tox. 1 H304 May be fatal if swallowed and enters airways.

2.2. Label elements

Labelling according to Regulation (EC) No 1272/2008

The product is classified and labelled according to the CLP regulation.
Hazard pictograms

Hazard pictograms



GHS08

Signal Word

Danger

Hazard-determining components of labelling

Low boiling point hydrogen treated naphtha

Hazard statements

according to Regulation (EG) No. 1907/2006

H372 Causes damage to the central nervous system through prolonged or repeated exposure.
 H304 May be fatal if swallowed and enters airways.

Precautionary statements

P101 If medical advice is needed, have product container or label at hand.
 P102 Keep out of reach of children.
 P103 Read label before use.
 P260 Do not breathe vapours.
 P264 Wash thoroughly after handling.
 P270 Do not eat, drink or smoke when using this product.
 P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor.
 P331 Do NOT induce vomiting.
 P405 Store locked up.
 P501 Dispose of contents/container to hazardous or special waste collection point

2.3. Other hazards**Results of PBT and vPvB assessment**

PBT

Not applicable.

vPvB

Not applicable.

3. COMPOSITION / INFORMATION ON INGREDIENTS**3.1. Mixtures**

Description

Mixture of substances listed below with nonhazardous additions.

3.2. Dangerous components

CAS: 64742-82-1	Low boiling point hydrogen treated naphtha	
EINECS: 265-185-4	⚠ STOT RE 1, H372; Asp. Tox. 1, H304	50-100%
CAS: 67-63-0	propan-2-ol	
EINECS: 200-661-7	⚠ Flam. Liq. 2, H225; ⚠ Eye Irrit. 2, H319; STOT SE 3	
Reg.nr.: 01-2119457558-25-xxxx	H336	2.5-10%
CAS: 64742-94-5	Solvent naphtha (petroleum), heavy arom.	
EINECS: 265-198-5	⚠ Asp. Tox. 1, H304; ⚠ Aquatic Chronic 2, H411; ⚠ STOT SE 3, H336	1.0-2.5%

Additional information

For the wording of the listed risk phrases refer to section 16.

4. FIRST AID MEASURES**4.1. Description of first aid measures****General information**

Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

After inhalation

Supply fresh air; consult doctor in case of complaints.
 Take affected persons into fresh air and keep quiet.

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After skin contact

Immediately wash with water and soap and rinse thoroughly.
Immediately remove any clothing soiled by the product.

After eye contact

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

After swallowing

Do not induce vomiting; call for medical help immediately.

4.2. Most important symptoms and effects, both acute and delayed

Unconsciousness

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

No further relevant information available.

5. FIREFIGHTING MEASURES

5.1. Extinguishing media

Suitable extinguishing agents

CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

For safety reasons unsuitable extinguishing agents

Water with full jet

5.2. Special hazards arising from the substance or mixture

In case of fire, the following can be released:
Carbon monoxide (CO)

5.3. Advice for firefighters

Protective equipment

Wear self-contained respiratory protective device.
Wear fully protective suit.

Additional information

Cool endangered receptacles with water spray.
Collect contaminated fire fighting water separately. It must not enter the sewage system.
Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

6. ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Wear protective equipment. Keep unprotected persons away.
Ensure adequate ventilation
Keep away from ignition sources.

6.2. Environmental precautions

Inform respective authorities in case of seepage into water course or sewage system.
Do not allow to enter sewers/ surface or ground water.

6.3. Methods and material for containment and cleaning up

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

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- 6.4. Reference to other sections**
See Section 13 for disposal information

7. HANDLING AND STORAGE

- 7.1. Precautions for safe handling**
Ensure good ventilation/exhaustion at the workplace.
Keep receptacles tightly sealed.
Keep away from sources of ignition - No smoking.
Prevent formation of aerosols.
Avoid contact with skin and eyes.

Information about fire - and explosion protection
Protect against electrostatic charges

- 7.2. Conditions for safe storage, including any incompatibilities**
Storage
Requirements to be met by storerooms and receptacles
Store in a cool location.

Information about storage in one common storage facility
Not required.

Further information about storage conditions
Protect from heat and direct sunlight.

- 7.3. Specific end use(s)**
No further relevant information available

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Additional information about design of technical facilities
No further data; see item 7.

- 8.1. Control parameters**
No further relevant inform.

Ingredients with limit values that require monitoring at the workplace

67-63-0 propan-2-ol

WEL

Short-term value: 1250 mg/m³, 500 ppm

Long-term value: 999 mg/m³, 400 ppm

Additional information

The lists valid during the making were used as basis.

- 8.2. Exposure controls**
Personal protective equipment
General protective and hygienic measures
Keep away from foodstuffs, beverages and feed.
Immediately remove all soiled and contaminated clothing
Wash hands before breaks and at the end of work.
Do not inhale gases / fumes / aerosols.
Avoid contact with the eyes and skin.

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Respiratory protection

Not necessary if room is well-ventilated.

Protection of hands

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Material of gloves

Nitrile rubber, NBR

Recommended thickness of the material: ³ 0.7 mm

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.

Penetration time of glove material

>240 min

The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.

Eye protection

Tightly sealed goggles



Body protection

Protective work clothing

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

General Information

Appearance

Form:	Fluid
Colour:	Colourless
Odour:	Solvent-like

Change in condition

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

Flash point:	Undetermined.
Danger of explosion:	Product does not present an explosion hazard.
Density at 20 °C:	0.8 g/cm ³

Solubility in / Miscibility with

water: Not miscible or difficult to mix.

Viscosity

Dynamic:	Not determined.
Kinematic:	Not determined.
Organic solvents:	100.0 %
VOC (EC)	800.0 g/l

9.2. Other information

No further relevant information available.

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10. STABILITY AND REACTIVITY

- 10.1. Reactivity**
- 10.2. Chemical stability**
Thermal decomposition / conditions to be avoided
 No decomposition if used according to specifications.
- 10.3. Possibility of hazardous reactions**
 No dangerous reactions known.
- 10.4. Conditions to avoid**
 No further relevant information available.
- 10.5. Incompatible materials**
 No further relevant information available.
- 10.6. Hazardous decomposition products**
 No dangerous decomposition products known.

11. TOXICOLOGICAL INFORM

- 11.1. Information on toxicological effects**
 Acute toxicity

LD/LC50 values relevant for classification

64742-82-1 Low boiling point hydrogen treated naphtha

Inhalative	LC50/4h	6.25mg/l (rat)
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6 4742-47-8 Distillates (petroleum), hydrotreated light

Oral	LD50	>2000 mg/kg (rat)
Dermal	LD50	>2000 mg/kg (rabbit)

67-63-0 propan-2-ol

Oral	LD50	5045 mg/kg (rat)
Dermal	LD50	12800 mg/kg (rabbit)
Inhalative	LC50/4h	30 mg/l (rat)

Primary irritant effect

Skin corrosion/irritation

No irritant effect.

Serious eye damage/irritation

No irritating effect.

Respiratory or skin sensitisation

No sensitising effects known

Additional toxicological information

The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version:
 Harmful

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12. ECOLOGICAL INFORMATION

12.1. Toxicity

Aquatic toxicity:
64742-82-1 Low boiling point hydrogen treated naphtha
LC50 >5 mg/l (rat)

12.2. Persistence and degradability

No further relevant information available.
Other information
The product is biodegradable.

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 product to reach ground water, water course or sewage system.

12.5. Results of PBT and vPvB assessment

PBT

Not applicable.

vPvB

Not applicable.

12.6. Other adverse effects

No further relevant information available.

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.

European waste catalogue

07 06 04 other organic solvents, washing liquids and mother liquors

15 01 10 packaging containing residues of or contaminated by dangerous substances

Uncleaned packaging

Recommendation

Disposal must be made according to official regulations.

14. TRANSPORT INFORMATION

14.1. UN-Number

ADR,RID,ADN, ADN, IMDG, IATA

Void

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- 14.2. UN proper shipping name**
ADR,RID,ADN, ADN, IMDG, IATA
Void
- 14.3. Transport hazard class(es)**
ADR,RID,ADN, ADN, IMDG, IATA
· Class
Void
10
- 14.4. Packing group**
ADR,RID,ADN, IMDG, IATA
Void
- 14.5. Environmental hazards**
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":
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15. REGULATORY INFORMATION

- 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**
No further relevant information available.
- 15.2. Chemical safety assessment**
A Chemical Safety Assessment has not been carried out.

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.
H304 May be fatal if swallowed and enters airways.
H319 Causes serious eye irritation.
H336 May cause drowsiness or dizziness.
H372 Causes damage to the central nervous system through prolonged or repeated exposure.
H411 Toxic to aquatic life with long lasting effects.

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Abbreviations and acronyms

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
ICAO: International Civil Aviation Organisation
ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
IMDG: International Maritime Code for Dangerous Goods
IATA: International Air Transport Association
GHS: Globally Harmonised System of Classification and Labelling of Chemicals
EINECS: European Inventory of Existing Commercial Chemical Substances
ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)
VOC: Volatile Organic Compounds (USA, EU)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
Flam. Liq. 2: Flammable liquids, Hazard Category 2
Eye Irrit. 2: Serious eye damage/eye irritation, Hazard Category 2
STOT SE 3: Specific target organ toxicity - Single exposure, Hazard Category 3
STOT RE 1: Specific target organ toxicity - Repeated exposure, Hazard Category 1
Asp. Tox. 1: Aspiration hazard, Hazard Category 1
Aquatic Chronic 2: Hazardous to the aquatic environment - Chronic Hazard, Category 2

· * Data compared to the previous version altered.