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Conforms to EU Regulation 1907/2006/EC as amended. - SDSGHS\_HU

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

1.1 Product identifier

Trade name : No data available

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

Recommended use : Additive

1.3 Details of the supplier of the safety data sheet Ellis Enterprises B.V., an affiliate of Valvoline Wieldrechtseweg 39 3316 BG Dordrecht Netherlands	1.4 Emergency telephone number +1-800-VALVOLINE (+1-800-825-8654), or contact your local emergency telephone number at 06 80 20 11 99, 06 1 476 6464
+31 (0)78 654 3500 (in the Netherlands), or contact your local CSR contact person	Product Information +31 (0)78 654 3500 (in the Netherlands), or contact your local CSR contact person
SDS@valvoline.com	

### **SECTION 2: Hazards identification**

### 2.1 Classification of the substance or mixture

# Classification (REGULATION (EC) No 1272/2008)

Serious eye damage, Category 1 H318: Causes serious eye damage.

#### 2.2 Label elements

# Labelling (REGULATION (EC) No 1272/2008)

Hazard pictograms

Signal word : Danger

Hazard statements : H318 Causes serious eye damage.

container or label at hand.

P102 Keep out of reach of children.

Prevention:

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P280 Wear eye protection/ face protection.

Response:

P305 + P351 + P338 + P310 IF IN EYES: Rinse cautiously

with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a

POISON CENTER/doctor.

Hazardous components which must be listed on the label: Tetrasodium ethylenediaminetetraacetate

#### 2.3 Other hazards

#### **Additional advice**

No information available.

# **SECTION 3: Composition/information on ingredients**

### 3.2 Mixtures

# **Hazardous components**

Chemical name	CAS-No.	Classification	Concentration
	EC-No.	(REGULATION (EC)	(%)
	Registration number	No 1272/2008)	
4-Hydroxy-4-	123-42-2	Flam. Liq.3; H226	>= 3,00 - <
methylpentan-2-one	204-626-7	Eye Irrit.2; H319	5,00
	01-2119473975-21-xxxx	STOT SE3; H335	
Tetrasodium	64-02-8	Acute Tox.4; H302	>= 3,00 - <
ethylenediaminetetraac	200-573-9	Acute Tox.4; H332	5,00
etate		Eye Dam.1; H318	
		STOT RE2; H373	

For explanation of abbreviations see section 16.

#### **SECTION 4: First aid measures**

## 4.1 Description of first aid measures

General advice : Move out of dangerous area.

Show this safety data sheet to the doctor in attendance.

Do not leave the victim unattended.

If inhaled : If breathed in, move person into fresh air.

If unconscious, place in recovery position and seek medical

advice.

If symptoms persist, call a physician.

In case of skin contact : First aid is not normally required. However, it is

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recommended that exposed areas be cleaned by washing

with soap and water.

In case of eye contact : Flush eyes with water as a precaution.

Remove contact lenses. Protect unharmed eye.

If eye irritation persists, consult a specialist.

If swallowed : Obtain medical attention.

Do not give milk or alcoholic beverages.

Never give anything by mouth to an unconscious person.

If symptoms persist, call a physician.

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

Symptoms : Signs and symptoms of exposure to this material through

breathing, swallowing, and/or passage of the material through

the skin may include:

stomach or intestinal upset (nausea, vomiting, diarrhea)

irritation (nose, throat, airways)

Cough

lung edema (fluid buildup in the lung tissue)

Difficulty in breathing

Risks : Causes serious eye damage.

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

Treatment : No hazards which require special first aid measures.

# **SECTION 5: Firefighting measures**

### 5.1 Extinguishing media

Suitable extinguishing media : Use extinguishing measures that are appropriate to local

circumstances and the surrounding environment.

Water spray

Foam

Carbon dioxide (CO2)

Dry chemical

Unsuitable extinguishing

media

: High volume water jet

#### 5.2 Special hazards arising from the substance or mixture

Specific hazards during

firefighting

: If product is heated above its flash point it will produce vapors sufficient to support combustion. Vapors are heavier than air and may travel along the ground and be ignited by heat, pilot lights, other flames and ignition sources at locations near the

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point of release.

Do not allow run-off from fire fighting to enter drains or water

courses.

Hazardous combustion

products

: Acetone

acrid smoke and fumes

carbon dioxide and carbon monoxide

Hydrocarbons Ammonia toxic fumes

Nitrogen oxides (NOx)

#### 5.3 Advice for firefighters

for firefighters

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

Specific extinguishing

methods

: Product is compatible with standard fire-fighting agents.

Further information : Standard procedure for chemical fires.

#### **SECTION 6: Accidental release measures**

### 6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions : Persons not wearing protective equipment should be excluded

from area of spill until clean-up has been completed.

Comply with all applicable federal, state, and local regulations.

## 6.2 Environmental precautions

**Environmental precautions** : Prevent product from entering drains.

Prevent further leakage or spillage if safe to do so.

If the product contaminates rivers and lakes or drains inform

respective authorities.

# 6.3 Methods and material for containment and cleaning up

Methods for cleaning up : Soak up with inert absorbent material (e.g. sand, silica gel,

acid binder, universal binder, sawdust).

Keep in suitable, closed containers for disposal.

#### 6.4 Reference to other sections

For further information see Section 8 and Section 13 of the safety data sheet.

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# **SECTION 7: Handling and storage**

## 7.1 Precautions for safe handling

Advice on safe handling : Do not breathe vapours/dust.

Do not smoke.

Container hazardous when empty.

Smoking, eating and drinking should be prohibited in the

application area.

For personal protection see section 8.

Dispose of rinse water in accordance with local and national

regulations.

Advice on protection against

fire and explosion

: Normal measures for preventive fire protection.

Hygiene measures : Wash hands before breaks and at the end of workday.

#### 7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage

areas and containers

: Keep container tightly closed in a dry and well-ventilated

place.

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

7.3 Specific end use(s)

Specific use(s) : No data available

# **SECTION 8: Exposure controls/personal protection**

#### 8.1 Control parameters

Contains no substances with occupational exposure limit values.

### 8.2 Exposure controls

#### **Engineering measures**

Provide sufficient mechanical (general and/or local exhaust) ventilation to maintain exposure below exposure guidelines (if applicable) or below levels that cause known, suspected or apparent adverse effects.

#### Personal protective equipment

Eye protection : Not required under normal conditions of use. Wear splash-

proof safety goggles if material could be misted or splashed

into eyes.

Hand protection

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Remarks : The suitability for a specific workplace should be discussed

with the producers of the protective gloves.

Skin and body protection : Wear as appropriate:

Impervious clothing Safety shoes

Choose body protection according to the amount and concentration of the dangerous substance at the work place.

# **SECTION 9: Physical and chemical properties**

# 9.1 Information on basic physical and chemical properties

Appearance : liquid

Colour : colourless

Odour : characteristic

Odour Threshold : No data available

pH : 10,25

(20 °C)

Melting point/freezing point : No data available

Initial boiling point and boiling :

range

100 °C

Flash point : > 100 °C

Evaporation rate : No data available

Flammability (solid, gas) : No data available

Upper explosion limit : No data available

Lower explosion limit : No data available

Vapour pressure : No data available

Relative vapour density : No data available

Relative density : No data available

Density : ca. 1,0275 g/cm3

Solubility(ies)

Water solubility : soluble

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Solubility in other solvents : No data available

Partition coefficient: n-

octanol/water

: No data available

Decomposition temperature : No data available

Viscosity

Viscosity, dynamic : No data available

Viscosity, kinematic : No data available

Oxidizing properties : No data available

#### 9.2 Other information

No data available

# **SECTION 10: Stability and reactivity**

### 10.1 Reactivity

No decomposition if stored and applied as directed.

### 10.2 Chemical stability

Stable under recommended storage conditions.

# 10.3 Possibility of hazardous reactions

Hazardous reactions : Product will not undergo hazardous polymerization.

10.4 Conditions to avoid

Conditions to avoid : None known.

10.5 Incompatible materials

Materials to avoid : aluminum

Copper alloys

Lead Nickel

Oxidizing agents

peroxides

reactive metals such as aluminum and magnesium

steel

Strong acids strong alkalis Strong bases

Zinc

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#### 10.6 Hazardous decomposition products

Hazardous decomposition : acrid smoke and fumes

products carbon dioxide and carbon monoxide

Hydrocarbons

Nitrogen oxides (NOx)

toxic fumes Ammonia

# **SECTION 11: Toxicological information**

# 11.1 Information on toxicological effects

Information on likely routes of : Inhalation exposure Skin contact

Eye Contact Ingestion

# **Acute toxicity**

Not classified based on available information.

### Components:

4-Hydroxy-4-methylpentan-2-one

Acute oral toxicity : LD50 (Rat): 3.002 mg/kg

Method: OECD Test Guideline 401

Acute dermal toxicity : LD50 (Rabbit): 13.500 mg/kg

LD50 (Rat): > 1.875 mg/kg

Assessment: No adverse effect has been observed in acute

dermal toxicity tests.

### Components:

Tetrasodium ethylenediaminetetraacetate

Acute oral toxicity : LD50 (Rat, Female): 1.780 mg/kg

: LC50 (Rat): > 1 - 5 mg/l Acute inhalation toxicity

> Exposure time: 4 h Test atmosphere: dust/mist

Remarks: Information given is based on data obtained from

similar substances.

Acute dermal toxicity : LD50 (Rabbit): > 5.000 mg/kg

#### Skin corrosion/irritation

Not classified based on available information.

### **Components:**

4-Hydroxy-4-methylpentan-2-one

Species: Rabbit

Method: OECD Test Guideline 404 Result: Slight, transient irritation

Tetrasodium ethylenediaminetetraacetate

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Species: Rabbit Result: No skin irritation

### Serious eye damage/eye irritation

Causes serious eye damage.

**Product:** 

Remarks: Unlikely to cause eye irritation or injury.

### **Components:**

4-Hydroxy-4-methylpentan-2-one

Species: Human

Result: Irritating to eyes.

Remarks: 100 ppm for 15 minutes

Tetrasodium ethylenediaminetetraacetate

Result: Severely irritating to eyes

## Respiratory or skin sensitisation

Skin sensitisation: Not classified based on available information. Respiratory sensitisation: Not classified based on available information.

# **Components:**

4-Hydroxy-4-methylpentan-2-one Test Type: Maximisation Test

Species: Guinea pig

Method: OECD Test Guideline 406

Tetrasodium ethylenediaminetetraacetate

Test Type: Maximisation Test

Species: Guinea pig

Assessment: Does not cause skin sensitisation.

Method: OECD Test Guideline 406

Remarks: Information given is based on data obtained from similar substances.

#### Germ cell mutagenicity

Not classified based on available information.

# **Components:**

Tetrasodium ethylenediaminetetraacetate

Genotoxicity in vitro : Test Type: Ames test

Test species: Salmonella typhimurium

Metabolic activation: with and without metabolic activation

Result: negative

#### Carcinogenicity

Not classified based on available information.

# Reproductive toxicity

Not classified based on available information.

### STOT - single exposure

Not classified based on available information.

# **Components:**

4-Hydroxy-4-methylpentan-2-one

Assessment: May cause respiratory irritation.

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# STOT - repeated exposure

Not classified based on available information.

#### Components:

Tetrasodium ethylenediaminetetraacetate

**Exposure routes: Inhalation** Target Organs: Respiratory Tract

Assessment: The substance or mixture is classified as specific target organ toxicant, repeated

exposure, category 2.

### **Aspiration toxicity**

Not classified based on available information.

**Further information** 

**Product:** 

Remarks: No data available

# **SECTION 12: Ecological information**

# 12.1 Toxicity

#### Components:

4-Hydroxy-4-methylpentan-2-one

Toxicity to fish : LC50 (Oryzias latipes (Orange-red killifish)): > 100 mg/l

> Exposure time: 96 h Test Type: semi-static test

Method: OECD Test Guideline 203

aquatic invertebrates

Toxicity to daphnia and other : EC50 (Water flea (Daphnia magna)): > 1.000 mg/l

Exposure time: 48 h Test Type: semi-static test

Method: OECD Test Guideline 202

Toxicity to algae : ErC50 (Pseudokirchneriella subcapitata (green algae)): >

1.000 mg/l

Exposure time: 72 h Test Type: static test

Method: OECD Test Guideline 201

Tetrasodium ethylenediaminetetraacetate

Toxicity to fish : LC50 (Bluegill (Lepomis macrochirus)): 792 mg/l

Exposure time: 96 h

aquatic invertebrates

Toxicity to daphnia and other : EC50 (Water flea (Daphnia magna)): 140 mg/l

Exposure time: 48 h

Remarks: Information given is based on data obtained from

similar substances.

Toxicity to algae : NOEC (Desmodesmus subspicatus (green algae)): > 100 mg/l

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End point: Growth inhibition

Exposure time: 72 h Test Type: static test

Method: Directive 67/548/EEC, Annex V, C.3.

Toxicity to fish (Chronic

toxicity)

: NOEC: >= 25,7 mg/l Exposure time: 35 d

Species: Danio rerio (zebra fish) Test Type: flow-through test Method: OECD Test Guideline 210

Remarks: Information given is based on data obtained from

similar substances.

Toxicity to daphnia and other : NOEC: 25 mg/l

aquatic invertebrates (Chronic toxicity)

NOEC: 25 mg/l Exposure time: 21 d

Species: Daphnia magna (Water flea)

Test Type: semi-static test

Remarks: Information given is based on data obtained from

similar substances.

### 12.2 Persistence and degradability

### Components:

Tetrasodium ethylenediaminetetraacetate

Biodegradability : Result: Not readily biodegradable.

Biodegradation: < 10 % Exposure time: 28 d

Method: OECD Test Guideline 301E

Biodegradation: 90 - 100 %

Exposure time: 72 d

Method: OECD Test Guideline 301E

# 12.3 Bioaccumulative potential

### **Components:**

4-Hydroxy-4-methylpentan-2-one

Partition coefficient: n- : log Pow: -0,098

octanol/water

Tetrasodium ethylenediaminetetraacetate
Partition coefficient: n- : log Pow: < 3

octanol/water

### 12.4 Mobility in soil

No data available

### 12.5 Results of PBT and vPvB assessment

Not relevant

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#### 12.6 Other adverse effects

**Product:** 

Additional ecological

information

: No data available

## **SECTION 13: Disposal considerations**

#### 13.1 Waste treatment methods

Product : Do not dispose of waste into sewer.

Do not contaminate ponds, waterways or ditches with

chemical or used container.

Send to a licensed waste management company.

Contaminated packaging : Empty remaining contents.

Dispose of as unused product.

Empty containers should be taken to an approved waste

handling site for recycling or disposal. Do not re-use empty containers.

# **SECTION 14: Transport information**

# **SECTION 14: Transport information**

#### 14.1 UN number

**ADN:** Not dangerous goods **ADR:** Not dangerous goods

INTERNATIONAL AIR TRANSPORT ASSOCIATION - CARGO: Not dangerous goods INTERNATIONAL AIR TRANSPORT ASSOCIATION - PASSENGER: Not dangerous goods

INTERNATIONAL MARITIME DANGEROUS GOODS: Not dangerous goods

RID: Not dangerous goods

# 14.2 UN proper shipping name

**ADN:** Not dangerous goods **ADR:** Not dangerous goods

INTERNATIONAL AIR TRANSPORT ASSOCIATION - CARGO: Not dangerous goods INTERNATIONAL AIR TRANSPORT ASSOCIATION - PASSENGER: Not dangerous goods

INTERNATIONAL MARITIME DANGEROUS GOODS: Not dangerous goods

RID: Not dangerous goods

### 14.3 Transport hazard class(es)

**ADN:** Not dangerous goods **ADR:** Not dangerous goods

INTERNATIONAL AIR TRANSPORT ASSOCIATION - CARGO: Not dangerous goods

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INTERNATIONAL AIR TRANSPORT ASSOCIATION - PASSENGER: Not dangerous goods

**INTERNATIONAL MARITIME DANGEROUS GOODS:** Not dangerous goods

RID: Not dangerous goods

# 14.4 Packing group

ADN: Not dangerous goods ADR: Not dangerous goods

INTERNATIONAL AIR TRANSPORT ASSOCIATION - CARGO: Not dangerous goods INTERNATIONAL AIR TRANSPORT ASSOCIATION - PASSENGER: Not dangerous goods

INTERNATIONAL MARITIME DANGEROUS GOODS: Not dangerous goods

**RID:** Not dangerous goods

#### 14.5 Environmental hazards

**ADN:** Not applicable ADR: Not applicable

INTERNATIONAL AIR TRANSPORT ASSOCIATION - CARGO: Not applicable INTERNATIONAL AIR TRANSPORT ASSOCIATION - PASSENGER: Not applicable

INTERNATIONAL MARITIME DANGEROUS GOODS: Not applicable

RID: Not applicable

#### 14.6 Special precautions for user

Not applicable

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

Ship Type: Not applicable Hazard code(s): Not applicable Pollutant Category: Not applicable

Dangerous goods descriptions (if indicated above) may not reflect quantity, end-use or region-specific exceptions that can be applied. Consult shipping documents for descriptions that are specific to the shipment.

### **SECTION 15: Regulatory information**

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

Regulation (EC) No 1005/2009 on substances that : Not applicable

deplete the ozone layer

Regulation (EC) No 850/2004 on persistent organic

pollutants

: Not applicable

REACH - List of substances subject to authorisation

(Annex XIV)

: Not applicable

REACH - Restrictions on the manufacture, placing on the market and use of certain dangerous substances,

: Not applicable

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preparations and articles (Annex XVII)

REACH - Candidate List of Substances of Very High

Concern for Authorisation (Article 59).

: Not applicable

Regulation (EC) No 649/2012 of the European

Parliament and the Council concerning the export and

import of dangerous chemicals

: Not applicable

Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances.

Not applicable

according to Detergents Regulation EC 648/2004 : 5 % or over but less than 15 %: Non-ionic surfactants less than 5 %: EDTA and salts thereof, Anionic surfactants

Other regulations

: 2000 XXV. Law on chemical safety

44/2000. (XII 27) Ministry of health dangerous substances and

preparations dangerous for certain procedures and

arrangements for activities

### The components of this product are reported in the following inventories:

DSL : This product contains one or several components that are not

on the Canadian DSL and have annual quantity limits.

AICS Not in compliance with the inventory

ENCS Not in compliance with the inventory

KECI Not in compliance with the inventory

PICCS Not in compliance with the inventory

IECSC Not in compliance with the inventory

TSCA Not On TSCA Inventory

#### **Inventories**

AICS (Australia), DSL (Canada), IECSC (China), REACH (European Union), ENCS (Japan), ISHL (Japan), KECI (Korea), NZIoC (New Zealand), PICCS (Philippines), TCSI (Taiwan), TSCA (USA)

#### 15.2 Chemical safety assessment

No data available

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### **SECTION 16: Other information**

#### **Further information**

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# Classification procedure:

H318 Causes serious eye damage. Calculation method

#### **Full text of H-Statements**

H226 Flammable liquid and vapour.

H302 Harmful if swallowed.

H318 Causes serious eye damage.H319 Causes serious eye irritation.

**H332** Harmful if inhaled.

**H335** May cause respiratory irritation.

H373 May cause damage to organs through prolonged or repeated exposure

if inhaled.

Other information : The information accumulated herein is believed to be accurate

but is not warranted to be whether originating with the company or not. Recipients are advised to confirm in advance of need that the information is current, applicable, and suitable to their circumstances. This SDS has been prepared by Valvoline's Environmental Health and Safety Department

('+31 (0)78 654 3500).

Sources of key data used to compile the Safety Data Sheet

Valvoline internal data including own and sponsored test reports

The UNECE administers regional agreements implementing harmonised classification for labelling (GHS) and transport.

List of abbreviations and acronyms that could be, but not necessarily are, used in this safety data sheet:

ACGIH: American Conference of Industrial Hygienists

BEI : Biological Exposure Index

CAS: Chemical Abstracts Service (Division of the American Chemical Society).

CMR: Carcinogenic, Mutagenic or Toxic for Reproduction

FG: Food grade

GHS: Globally Harmonized System of Classification and Labeling of Chemicals.

H-statement : Hazard Statement

IATA: International Air Transport Association.

IATA-DGR: Dangerous Goods Regulation by the "International Air Transport Association" (IATA).

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ICAO: International Civil Aviation Organization

ICAO-TI (ICAO): Technical Instructions by the "International Civil Aviation Organization"

IMDG : International Maritime Code for Dangerous Goods

ISO: International Organization for Standardization

logPow: octanol-water partition coefficient

LCxx: Lethal Concentration, for xx percent of test population

LDxx: Lethal Dose, for xx percent of test population. ICxx: Inhibitory Concentration for xx of a substance

Ecxx : Effective Concentration of xx N.O.S.: Not Otherwise Specified

OECD: Organization for Economic Co-operation and Development

OEL : Occupational Exposure Limit
P-Statement : Precautionary Statement
PBT : Persistent , Bioaccumulative and Toxic

PPE: Personal Protective Equipment STEL: Short-term exposure limit STOT: Specific Target Organ Toxicity

TLV: Threshold Limit Value TWA: Time-weighted average

vPvB: Very Persistent and Very Bioaccumulative

WEL: Workplace Exposure Level

ABM: Water Hazard Class for the Netherlands

ADR : Agreement concerning the International Carriage of Dangerous Goods by Road.

ADNR: Regulation for the Carriage of Dangerous Substances on the Rhine

CLP: Classification, Labelling and Packaging

CSA: Chemical Safety Assessment CSR: Chemical Safety Report DNEL: Derived No Effect Level.

EINECS: European Inventory of Existing Commercial Chemical Substances.

**ELINCS**: European List of Notified Chemical Substances

PEC: Predicted Effect Concentration
PEL: Permissible Exposure Limits
PNEC: Predicted No. Effect Concentration

PNEC: Predicted No Effect Concentration

R-phrase : Risk phrase

REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals

RID: Regulation Concerning the International Transport of Dangerous Goods by Rail

S-phrase: Safety phrase

WGK: German Water Hazard Class