according to Regulation (EC) No. 1907/2006

# **UNIMETAL SARATOGA**

Revision Date: Version 1.0 03.02.2016

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

1.1 Product identifier

Trade name : UMIMETAL SARATOGA -Hardener cd.57025001

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

: Hardener

Substance/Mixture

1.3 Details of the supplier of the safety data sheet

Company SARATOGA INT. SFORZA SPA

Address Via Edison 76

20090 Trezzano s/Naviglio (MI)

**ITALIA** 

Telephone +39 02 445731 Telefax +39 02 44552742

E-mail address of person responsible far the SOS

trading@saratogasforza.com

1.4 Emergency telephone

Emergency telephone CAV - Ospedale Pediatrico "Bambino Gesù" - Roma - Tel. +39 06 68593726 (h24)

CAV - Azienda Ospedaliero-Universitaria Foggia - Foggia - Tel. +39 0881 732326 (h24) CAV - Azienda Ospedaliera "A. Cardarelli" - Napoli - Tel. +39 081 7472870 (h24) CAV - Policlinico "Umberto I" - Roma - Tel. +39 06 4450618 (h24)

CAV - Policlinico "A. Gemelli" - Roma - Tel. +39 06 3054343 (h24)

CAV - Azienda Osp. "Careggi" U.O. Tossic. Medica - Firenze - Tel. +39 055 7947819(h24)

CAV - Centro Nazionale di Informazione Tossic. - Pavia - Tel. +39 0382 24444 (h24)

CAV - Ospedale "Niguarda Ca' Granda" - Milano - Tel. +39 02 66101029 (h24)

CAV - Azienda Ospedaliera "Papa Giovanni XXIII" - Bergamo - Tel. +39 800 883300

## **SECTION 2: Hazards identification**

#### 2.1 Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008)

Skin irritation, Category 2 H315: Causes skin irritation.

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

## 2.2 Label elements

Labeling (REGULATION (EC) No 1272/2008)

according to Regulation (EC) No. 1907/2006

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Hazard pictograms



SignalWord Danger

Hazard Statements H315 Causes skin irritation.

H318 Causes serious eye damage.

**Precautionary Statements** 

P101 If medical advice is needed, have product container or label at hand.

P102 Keep out of reach of children.
P273 Avoid release to the environment.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P302+P352 IF ON SKIN: Wash with plenty of soap and water.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact

lenses, if present and easy to do. Continue rinsing.

P310 Immediately call a POISON CENTER or doctor/physician.
P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
P337+P313 If eye irritation persists: Get medical advice/attention.

P501 Dispose of contents/container in accordance with local regulation

Hazardous ingredients which must be listed on the label:

2,4,6-tris(dimethylaminomethyl)phenol

#### 2.3 Other hazards

No information available.

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

## 3.2 Mixtures

Chemical nature Mixture

Hazardous ingredients

Chemical Name GAS-No. Classification Concent EC-No. (REGULATION (EC) ration Registration number No 1272/2008) (%)

2,4,6- 90-72-2 Acute Tox. 4; H302 >= 3 - Tris(dimethylaminomethyl)pheno 202-013-9 Skin Corr. 1C; H314 <= 7

01-2119560597-27 Eye Dam. 1; H318 Aquatic Chronic 3;

H412

Skin Sens. 1B; H317

Far explanation of abbreviations see section 16.

according to Regulation (EC) No. 1907/2006

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

#### 4.1 Description of first-aid measures

General advice Move out of dangerous area.

Consult a physician.

Show this material safety data sheet to the doctor in

attendance.

Do not leave the victim unattended.

If inhaled If unconscious piace in recovery position and seek medicai

advice

If symptoms persist, call a physician.

In case of skin contact If skin irritation persists, cali a physician.

If on skin, rinse well with water. If on clothes, remove clothes.

In case of eye contact Small amounts splashed into eyes can cause irreversible

tissue damage and blindness.

In the case of contact with eyes, rinse immediately with plenty

of water and seek medicai advice.

Continue rinsing eyes during transport to hospital.

Remove contact lenses. Protect unharmed eye.

Keep eye wide open while rinsing.

If eye irritation persists, consult a specialist.

Ifswallowed Keep respiratory tract clear.

Do NOT induce vomiting.

Do not give milk or alcoholic beverages.

Never give anything by mouth to an unconscious person.

If symptoms persist, call a physician. Take victim immediately to hospital.

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

None known.

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

# **SECTION 5: Firefighting measures**

#### 5.1 Extinguishing media

Suitable extinguishing media No data is available on the product itself.

Unsuitable extinguishing

media

High volume water jet

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

Specific hazards during fire

fighting

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

courses.

Hazardous combustion No data is available on the product itself.

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products

5.3 Advice for firefighters

Special protective equipment

far fire-fighters

Wear self-contained breathing apparatus far firefighting if

necessary.

Specific extinguishing

methods

No data is available on the produci itself.

Further infarmation 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**

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

Persona! precautions : Use persona! protective equipment.

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 infarm

respective authorities.

#### 6.3 Methods and material for containment and cleaning up

Methods far cleaning up Neutralize with acid.

Soak up with inert absorbent materiai (e.g. sand, silica gel,

acid binder, universal binder, sawdust).

Keep in suitable, closed containers far disposal.

# 6.4 Reference to other sections

None

# **SECTION 7: Handling and storage**

#### 7.1 Precautions for safe handling

Advice on safe handling Do not breathe vapors/dust.

Avoid contact with skin and eyes. Far personal protection see section 8.

Smoking, eating and drinking should be prohibited in the

application area.

To avoid spills during handling keep bottle on a metal tray. Dispose of rinse water in accordance with local and national

regulations.

Advice on protection against

fire and explosion

Normai measures far preventive fire protection.

Hygiene measures When using do not eat or drink. When using do not smoke.

Wash hands befare breaks and at the end of workday.

according to Regulation (EC) No. 1907/2006

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## 7.2 Conditions for safe storage, including any incompatibilities

Requirements far storage areas and containers

Keep container tightly closed in a dry and well-ventilated piace. Electrical installations / working materials must comply

with the technological safety standards.

Advice on common storage

Strong acids

Strong bases

Strong oxidizing agents

Storage class (TRGS 510)

12, Non Combustible Liquids

Recommended storage

temperature

2 - 40 °C

Other data

No decomposition if stored and applied as directed.

#### 7.3 Specific end use(s)

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

# 8.1 Control parameters

#### 8.2 Exposure controls

#### Persona! protective equipment

Tightly fitting safety goggles.

Wear face-shield and protective suit far abnormal processing

problems.

Hand protection

Materiai butyl-rubber

Break through time > 8 h

Solvent-resistant gloves (butyl-rubber)

Nitrile rubber 10-480 min Neoprene gloves

Remarks The suitability far a specific workplace should be discussed

with the producers of the protective gloves.

Skin and body protection impervious clothing

Choose body protection according to the amount and

concentration of the dangerous substance at the work piace.

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

# 9.1 Information on basic physical and chemical properties

Appearance liquid

Odor characteristic

according to Regulation (EC) No. 1907/2006

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pH ca. 10, Concentration: 500 gf1 (20 °C)

Flash point ca. 137 °C

Method: Pensky-Martens closed cup, closed cup

Density 1, 14 g/cm3 (20 °C)

Method: DIN 51757

Solubility(ies)

Water solubility partly soluble (20 °C)

Autoignition temperature > 300 °C

Method: DIN Method, other

Viscosity

Viscosity, dynamic 10.000 - 16.000 mPa.s (25 °C)

#### 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

No decomposition if stored and applied as directed.

## 10.3 Possibility of hazardous reactions

Hazardous reactions : No decomposition if stored and applied as directed.

#### 10.4 Conditions to avoid

Conditions to avoid No data available

# 10.5 Incompatible materials

## 10.6 Hazardous decomposition products

Carbon oxides

Nitrogen oxides (NOx)

Burning produces obnoxious and toxic fumes.

# **SECTION 11: Toxicological information**

# 11.1 Information on toxicological effects

#### **Acute toxicity**

Acute arai toxicity - Product LD50 (Rat): > 2.000 mg/kg

Acute inhalation toxicity No data available

according to Regulation (EC) No. 1907/2006

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Acute dermal toxicity No data available

Acute toxicity (other routes of

administration)

No data available

#### Skin corrosion/irritation

**Product:** 

Remarks: Extremely corrosive and destructive to tissue.

## Serious eye damage/eye irritation

**Product:** 

Remarks: May cause irreversible eye damage.

## Respiratory or skin sensitization

**Product:** 

Routes of exposure: Skin Species: Guinea pig

Result: Does not cause skin sensitization.

Assessment: No data available

## Germ cell mutagenicity

## Ingredients:

2,4,6-tris(dimethylaminomethyl)phenol:

Genotoxicity in vitro Concentration: 5000 ug/plate

Metabolic activation: with and without metabolic activation

Method: OECD Test Guideline 471

Result: negative

Concentration: 2500 ug/plate

Metabolic activation: with and without metabolic activation

Method: OECD Test Guideline 473

Result: negative

Metabolic activation: with and without metabolic activation

Method: OECD Test Guideline 476

Result: negative

Genotoxicity in vivo No data available

## Carcinogenicity

No data available

according to Regulation (EC) No. 1907/2006

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Carcinogenicity - Assessment

No data available

Reproductive toxicity

Ingredients:

2,4,6-tris(dimethylaminomethyl)phenol:

Effects on fertility Species: Rat, male and female

Application Route: Oral

Method: OECD Test Guideline 422

Remarks: No significant adverse effects were reported

Effects on fetal development No data available

Reproductive toxicity -

No data available

Assessment

STOT-single exposure

No data available

STOT-repeated exposure

No data available

Repeated dose toxicity

**Ingredients:** 

2,4,6-tris(dimethylaminomethyl)phenol:

Species: Rat, male and ternale No-observed-effect level: 15 mg/kg

Application Route: Ingestion

Exposure time: 1.032 hNumber of exposures: 7 d

Method: Subacute toxicity

Repeated dose toxicity -

No data available

Assessment

**Aspiration toxicity** 

No data available

Experience with human exposure

General Information: No data available

Inhalation: No data available

Skin contact: No data available

according to Regulation (EC) No. 1907/2006

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Eye contact: No data available

Ingestion: No data available

## Toxicology, Metabolism, Distribution

No data available

## Neurologica! effects

No data available

#### **Further information**

**Product:** 

Remarks: No data available

## **SECTION 12: Ecologica! information**

#### 12.1 Toxicity

## **Ingredients:**

2,4,6-tris(dimethylaminomethyl)phenol:

Toxicity to fish LC50 (Cyprinus carpio (Carp)): 175 mg/l

Exposure time: 96 h Test Type: static test

Test substance: Fresh water

Toxicity to daphnia and other

aquatic invertebrates

LC50: 718 mg/l Exposure time: 96 h Test Type: static test

Test substance: Marine water

Toxicity to algae ErC50 (Desmodesmus subspicatus (Scenedesmus

subspicatus)): 84 mg/l Exposure time: 72 h Test Type: static test

Test substance: Fresh water Method: OECD Test Guideline 201

**Ecotoxicology Assessment** 

Chronic aquatic toxicity This product has no known ecotoxicological effects.

#### 12.2 Persistence and degradability

## Ingredients:

2,4,6-tris(dimethylaminomethyl)phenol:

Biodegradability Inoculum: activated sludge

Concentration: 2 mg/l

Result: Not readily biodegradable.

Biodegradation: 4 %

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Exposure time: 28 d

Method: OECD Test Guideline 301 D

## 12.3 Bioaccumulative potential

#### Ingredients:

2,4,6-tris(dimethylaminomethyl)phenol:

Partition coefficient: n- log Pow: 0,219 (21,5 °C) octanol/water log Pow: 0,219 (21,5 °C) Method: OPPTS 830.7550

## 12.4 Mobility in soil

No data available

#### 12.5 Results of PBT and vPvB assessment

Not relevant

## 12.6 Other adverse effects

## **Product:**

Additional ecologica!

information

Remarks: 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.

Contaminateci packaging Empty remaining contents.

Dispose of as unused product. Do not re-use empty containers.

## **SECTION 14: Transport information**

#### **IATA**

Not regulated as a dangerous good

## **IMDG**

Not regulated as a dangerous good

#### **ADR**

Not regulated as a dangerous good

#### **RID**

Not regulated as a dangerous good

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

Not applicable for produci as supplied.

# **SECTION 15: Regulatory information**

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

REACH - Candidate List of Substances of Very High

Not applicable

Concern far Authorization (Article 59).

EU Voluntary monitoring list far non-scheduled

Not applicable

substances (Drug Precursors)

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

CH INV The mixture contains substances listed on the Swiss Inventory

TSCA On TSCA Inventory

DSL All components of this product are on the Canadian DSL.

AICS On the inventory, or in compliance with the inventory

NZIoC Not in compliance with the inventory

ENCS On the inventory, or in compliance with the inventory

ISHL On the inventory, or in compliance with the inventory

KECI Not in compliance with the inventory

PICCS On the inventory, or in compliance with the inventory

IECSC On the inventory, or in compliance with the inventory

# Inventories

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

#### 15.2 Chemical Safety Assessment

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

# **Full text of H-Statements**

H302 Harmful if swallowed.

H314 Causes severe skin burns and eye damage.

H317 May cause an allergie skin reaction.

H318 Causes serious eye damage.

H412 Harmful to aquatic life with long lasting effects.

#### Full text of other abbreviations

Acute Tox. Acute toxicity

Aquatic Chronic Chronic aquatic toxicity
Eye Dam. Serious eye damage
Skin Corr. Skin corrosion
Skin Sens. Skin sensitization

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