

## SAFETY DATA SHEET

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

#### 1.1 Product identifier:

## SUPERCONCENTRATE S2053

**REACH Registration-No:** Exempted from REACH registration. Article 2 (7) (b)

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

*Identified uses:*

Coolant.

*Uses advised against:*

No information available

#### 1.3 Details of the supplier of the safety data sheet:

Swed Handling AB, Box 21, SE 601 02 Norrköping, SWEDEN

Tel: +46 11 24 84 84

e-mail: info@swedhandling.com

#### 1.4 Emergency telephone number:

In case of emergency, call 112 and poison control center for further information about the product.

### 2. HAZARD IDENTIFICATION

#### 2.1 Classification of the substance or mixture:

*Classification according to CLP 1272/2008/EC:*

Skin Irrit. 2; H315

Eye Dam. 1; H318

Repr. 2; H361d

CAUSES SKIN IRRITATION

CAUSES SERIOUS EYE DAMAGE

SUSPECTED OF DAMAGING THE UNBORN CHILD

## 2. HAZARD IDENTIFICATION

### 2.2 Label elements:

*Hazard symbol:*



*Signal Word:*

DANGER

*Hazard Statement:*

- H315** Causes skin irritation
- H318** Causes serious eye damage
- H361d** Suspected of damaging the unborn child

*Precautionary statements:*

- P201** Obtain special instructions before use
- P280** Wear protective gloves/ protective clothing/ eye protection/ face protection.
- P302 + P352** IF ON SKIN: Wash with plenty of water.
- P308+P313** IF exposed or concerned: Get medical advice.
- 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, a doctor.
- P501** Dispose of contents and container to an approved waste disposal plant.

### 2.3 Other hazards

No information available.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

### 3.2 Mixtures:

Substance	CAS-no	EC-no	% w/w	Classification according to 1272/2008:
Potassium 2-Ethylhexanoate	3164-85-0	221-625-7	20-70	Skin Irrit. 2; H315 Eye Dam. 1; H318 Repr. 2; H361d
Potassium succinate	22445-04-1		1-<20	Skin Irrit. 2; H315 Eye Irrit. 2; H319 STOT SE 3; H335

## 4. FIRST AID MEASURES

### 4.1 Description of first aid measures:

**General advise:**

Remove contaminated clothing.

**If inhaled:**

Remove the individual to fresh air and keep warm and at rest. Seek medical attention if symptoms remain.

**In case of skin contact:**

Wash off immediately with plenty of soap and water. Seek medical attention if symptoms remain.

**In case of eye contact:**

Rinse immediately with plenty of water for at least 15 minutes, also under the eyelids. Consult an eye specialist immediately.

**If swallowed:**

Rinse mouth with water and drink a lot of water or milk. Never give anything by mouth to an unconscious person. Do not induce vomiting. When vomiting keep the head low. Get medical advice immediately.

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

**Symptoms & Effects:**

See Section 11 for more detailed information on health effects and symptoms.

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

Treat symptomatically.

## 5. FIREFIGHTING MEASURES

### 5.1 Extinguishing media:

**Suitable extinguishing media:**

Use fire-extinguishing media appropriate for surrounding materials.

**Unsuitable extinguishing media:**

Water jet, foam with harmful environmental substances.

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

**Special fire fighting risks:**

Non flammable. Do not allow run-off from fire-fighting to enter drains or water courses. Carbon oxides (CO, CO<sub>2</sub>).

### 5.3 Advice for firefighters:

**Special safety equipment for firefighters:**

Wear self contained breathing apparatus if necessary.

**Further information:**

Avoid inhaling smoke. Evacuate the area surrounding the fire. Cool surfaces exposed to fire with water. Remove material that can burn. Avoid extinguishing more than a small fire. Prevent entry to sewage system. Take care of extinguishing water.

## 6. ACCIDENTAL RELEASE MEASURES

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

See section 8 for personal protective equipment.

### 6.2 Environmental precautions:

Do not let product enter drains. Inform authorities if large amounts are involved.

### 6.3 Methods and materials for containment and cleaning up:

Waste are appropriately taken up with, for example, vermiculite, dry sand or other inert material for chemical waste. Provides a slippery surface along with water. Collected material constitutes hazardous waste.

### 6.4 Reference to other sections:

Contact information in case of emergency (see section 1), Personal protection (see section 8), Waste treatment (see section 13).

## 7. HANDLING AND STORAGE

### 7.1 Precautions for safe handling:

See section 8 for personal protective equipment. Avoid contact with the skin and the eyes. Provide good ventilation. Handle in accordance with good industrial hygiene and safety practice. Emergency shower and emergency eye-wash must be available at the work place.

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

Keep in cool, dry, ventilated storage in closed original containers.

### 7.3 Specific end uses:

No information available.

## 8. EXPOSURE CONTROL/PERSONAL PROTECTION

### 8.1 Control parameters:

No parameters available.

### 8.2 Exposure controls:

#### *Appropriate engineering controls:*

See safety precautions in section 7 and 8.

#### *Personal protective equipment:*

*Respiratory protection:* In case of insufficient ventilation, wear suitable respiratory equipment with filter type P2 or a self contained breathing apparatus.

*Hand protection:* Use neoprene or nitrile rubber gloves category III according to EN 374.

## 8. EXPOSURE CONTROL/PERSONAL PROTECTION

*Eye protection:* Wear safety glasses with side shields (or goggles) or a face shield.

*Skin protection:* Suitable protective clothing.

*Exposure controls for the environment:*

Do not let product enter drains.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties:

<i>Form:</i>	Liquid
<i>Colour:</i>	Variable
<i>Odour:</i>	Mild
<i>Odour treshold:</i>	No information available
<i>pH:</i>	9 - 11
<i>Melting point/ freezing point:</i>	0 °C

#### *Initial boiling point and*

*boiling range:* No information available

*Flash point:* > 120 °C (closed cup)

*Evaporation rate:* > 400 °C

*Flammability (solid, gas):* No information available

*Upper/ lower flammability or explosive limits:* No information available

*Vapour pressure:* 0,06 mmHg (20°C)

*Vapour density:* No information available

*Relative density:* 1.19 g/cm<sup>3</sup> (15 °C)

*Solubilty:* Soluble in water

*Partition coefficient: n-octanol/ water:* No information available

*Autoignition temperature:* No information available

*Decomposition temperature:* 315 °C

*Viscosity:* No information available

*Explosive properties:* No information available

*Oxidizing properties:* No information available

### 9.2 Other information

No information available.

## 10. STABILITY AND REACTIVITY

### 10.1 Reactivity:

Stable at recommended storage conditions.

## 10. STABILITY AND REACTIVITY

### 10.2 Chemical stability:

Stable at normal conditions.

### 10.3 Possibility of hazardous reactions:

None known.

### 10.4 Conditions to avoid:

Keep away from sources of heat, sparks and open flames.

### 10.5 Incompatible materials:

Strong oxidizing agents and metals.

### 10.6 Hazardous decomposition products:

Burning produces noxious and toxic fumes.

## 11. TOXICOLOGICAL INFORMATION

### 11.1 Information on toxicological effects:

*Potassium 2-Ethylhexanoate:*

#### *Acute toxicity:*

Dermal, LD50, Rat	> 2000 mg/kg	(OECD 402, 24 h)
Oral, LD50, Rat	2043 mg/kg	(OECD 401)
Oral, NOAEL, Rat (90 days)	180 mg/kg bodyweight/day	mouse

#### *Irritation and corrosion:*

*Skin:* Causes skin irritation.

*Eyes:* Causes serious eye damage.

#### *Respiratory or skin sensitization:*

No effect known.

#### *Carcinogenicity:*

No effect known.

#### *Mutagenicity:*

No effect known.

#### *Reproductive toxicity:*

Suspected of damaging the unborn child.

#### *Teratogenicity:*

No information available.

#### *Specific target organ toxicity, single exposure (STOT SE):*

No information available.

#### *Specific organ toxicity, repeated exposure (STOT RE):*

No information available.

## 11. TOXICOLOGICAL INFORMATION

**Aspiration hazard:**

No information available.

## 12. ECOLOGICAL INFORMATION

### 12.1 Toxicity:

*Potassium 2-Ethylhexanoate:*

LC50, Fish, > 50.75 mg/l (OECD 203 – *Oryzias latipes*)

EC50, Daphnia, 106 mg/l (OECD 203, 48 h)

EC50, Daphnia, 75 mg/l (OECD 211, 21 days)

### 12.2 Persistence and degradability:

Biodegradable easily. 99 % (OECD 301E)

### 12.3 Bioaccumulative potential:

Log Kow 2. 96 (OECD 107)

### 12.4 Mobility in soil:

No information available.

### 12.5 Results of PBT and vPvB assessment:

No information available.

### 12.6 Other adverse effects:

No information available.

## 13. DISPOSAL CONSIDERATIONS

### 13.1 Waste treatment methods:

Eliminate waste in conditions authorized by the regulations. Store waste in containers provided for this purpose. Do not dump in drains, water sheets or the ground.

## 14. TRANSPORT INFORMATION

Not classified as dangerous goods.

## 15. REGULATORY INFORMATION

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

No information available.

### 15.2 Chemical Safety Assessment: Accomplished.

## 16. OTHER INFORMATION

Whilst every care has been taken in the preparation of this SDS, the same has been produced from information and data currently available to Swed Handling at the date hereof; however, Swed Handling cannot be responsible for any errors or omissions. If in any doubt, please consult Swed Handling.

### **Text of H-statements mentioned in section 2:**

H315	Causes skin irritation
H318	Causes serious eye damage
H361d	Suspected of damaging the unborn child