

# Material Safety Data Sheet

(according to 2001/58/EC)



## SAVONA

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### **1 INFORMATION ON PRODUCT AND ON SUPPLIER**

1.1	Name of the product	SAVONA
1.2	Supplier	Koppert BV
1.3	Address	Veilingweg 17 2651 BE Berkel en Rodenrijs, the Netherlands
1.4	Phone / Fax	+31-10-514 04 44/ +31-10-511 52 03
1.5	Information available from	Marketing / Productmanagement
1.6	Information in Case of Emergency	+31-10-514 04 44

### **2 COMPOSITION / INFORMATION ON INGREDIENTS**

2.1	Composition/information on ingredients	Liquid Concentrate.
2.2	Information on hazardous ingredients	Contains no hazardous substances. 50% potassium salts of fatty acids 30% alcohols

### **3 HAZARDS IDENTIFICATION**

3.1	Human health hazards	None expected. On the basis of available information, this material is not expected to produce any significant adverse health effects when recommended use instructions are followed.
3.2	Environmental hazards	None expected. On the basis of available information, this material is not expected to produce any significant adverse health effects when recommended use instructions are followed.

### **4 FIRST-AID MEASURES**

4.1	Symptoms/effects	May be irritating for the skin and the eyes. For inhalation and ingestion no effects are expected.
4.2	Inhalation Exposure	Remove victim to fresh air. If not breathing, give artificial respiration, preferably mouth to mouth. Get medical attention.
4.3	Skin Contact	Wash with plenty of soap and water. Get medical attention if irritation persists.
4.4	Eye Contact	Hold eyelids open and flush with a steady, gentle stream of water for 15 minutes. Get medical attention.
4.5	Ingestion	If swallowed, promptly drink large amounts of water. Never give liquids to an unconscious person. Get medical attention.

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### **5 FIRE FIGHTING MEASURES**

- |     |                                |  |
|-----|--------------------------------|--|
| 5.1 | Special exposure hazards       | Product's alcohol content contributes to its flammability. Water should be sufficient to extinguish. |
| 5.2 | Extinguishing Media            | Alcohol foam   |
| 5.3 | Special fire fighting measures | Water stream may spread fire.  |

### **6 ACCIDENTAL RELEASE MEASURES**

- |     |                           |   |
|-----|---------------------------|---|
| 6.1 | Personal precautions      | For personal precautions see Section 8.   |
| 6.2 | Environmental precautions | Low environmental hazard when used as recommended. Do not disperse on down drains or into the natural environment. Dispose of in accordance with local and federal regulations. |
| 6.3 | Methods for cleaning up   | Rinse with abundant water, mop up.  |

### **7 HANDLING AND STORAGE**

- |     |                      |  |
|-----|----------------------|--|
| 7.1 | Storage and handling | Store away from heat, out of reach of children. Do not contaminate water, food or feed by storage or disposal. Do not reuse container. |
| 7.2 | Other precautions    | None.  |

### **8 EXPOSURE CONTROLS/PERSONAL PROTECTION**

- |     |                           |  |
|-----|---------------------------|--|
| 8.1 | Protection note           | Personal protection information provided in this section is based upon general information as to normal uses and conditions. Where special or unusual uses or conditions exist, it is suggested that the expert assistance of an industrial hygienist or other qualified professional be sought. |
| 8.2 | Respiratory Protection    | In typical applications, no engineering controls should be needed; if industrial hygiene surveys show that occupational exposure limits may be exceeded, use NIOSH approved respirator with organic vapor/dust/mist cartridges.  |
| 8.3 | Hand protection           | Protective gloves (nitrile) recommended.   |
| 8.4 | Eye Protection            | Recommended to avoid contact of material directly into eyes.   |
| 8.5 | Protective clothing       | None required under normal use conditions.   |
| 8.6 | Ventilation               | None required under normal use conditions.   |
| 8.7 | Other Protective Measures | None required under normal use conditions.   |

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### **9** PHYSICAL AND CHEMICAL PROPERTIES

9.1	Appearance	Amber liquid
9.2	Odour	Alcohol or lard odour
9.3	Boiling point	80°C (176°F)
9.4	Flash point	< 72°F (TCC)
9.5	Auto ignition temperature	N/A
9.6	Flammability	Not determined
9.7	Vapor density	Not determined
9.8	Vapor pressure	Not determined
9.9	Solubility in water	Nearly complete
9.10	pH	10.6-10.8
9.11	Specific gravity (water=1)	0.93
9.12	Bulk density	7.689 lbs/gallon
9.13	Freezing point	Not determined
9.14	Viscosity	3 cSt.

### **10** STABILITY AND REACTIVITY

10.1	Stability	Stable.
10.2	Materials to avoid	Concentrated mineral supplements (fertilizers), strong oxidizers, acids.
10.3	Conditions to avoid	Avoid heat and open flame.
10.3	Hazardous Decomposition Products	Not determined.
10.4	Hazardous Polymerization	None will occur.

### **11** TOXICOLOGICAL INFORMATION

11.1	General statement	Avoid contact with skin, eyes and clothing.
11.2	Effects of over exposure	Not determined.
11.3	Potential health effects	None expected.
11.4	Oral LD <sub>50</sub>	> 5,000 mg/kg
11.5	Dermal LD <sub>50</sub>	> 2,000 mg/kg
11.6	Inhalation LC <sub>50</sub>	> 500 mg/m <sup>3</sup>
11.7	Eye irritation	Irritation clearing in 8-21 days.
11.8	Skin irritation	Severe irritation at 72 hours.
11.9	Sensitization	Not a sensitizer.

### **12** ENVIRONMENTAL INFORMATION

12.1	Basis for assessment	If handled properly, this material does not present a serious environmental hazard.
12.2	Acute toxicity to aquatic organisms	May be hazardous to aquatic invertebrates. Do not apply directly to water; do not contaminate water by cleaning of equipment or disposal washwaters.

### **13** INSTRUCTIONS FOR DISPOSAL

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13.1 Waste disposal method

Be aware that the waste owner has responsibility for final disposal. Regulations may also apply to empty containers, liners or rinsate. Laws may change or be reinterpreted; state and local regulations may be different from federal regulations. This information applies to materials as manufactured; contamination or processing may change waste characteristics and requirements.

13.2 Product disposal method

Dispose in accordance with local, provincial and federal regulations.

### **14** TRANSPORT INFORMATION

Transport according to specific country or local guidelines for flammable products.

### **15** REGULATORY INFORMATION

15.1 EC classification

F ; light flammable

15.2 EC symbols



15.3 EC Risk phrases

R36/38: Irritating to eyes and skin.

15.4 EC Safety phrases

S2: Keep out of the reach of children.  
S13: Keep away from food, drink and animal feedingstuffs.

S15: Keep away from heat.

S20/21: When using do not eat, drink or smoke.

S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S36/37/39: Wear suitable protective clothing, gloves and eye/face protection.

### **16** OTHER INFORMATION

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This information only concerns the above mentioned product and does not need to be valid if used with other product(s) or in any process.

This document contains important information regarding a safe disposal, handling and use of this product. The information should be brought to the attention of the health/safety/environment-consultant of your organisation. The information from this document should be announced to anyone working with this product.

The information is to our best present knowledge correct and complete and is given in good faith but without warranty. It remains to the user's own responsibility to make sure that the information is appropriate and complete for this special use of this product.