

# Safety Data Sheet

## 1. Identification

Product Information.	31006
Product Name:	Kombo 950® LF
Recommended Use.	Herbicide performance adjuvant
Uses advised against.	No information available
Supplier.	Kop-Coat, Inc. 5137 Southwest Avenue St. Louis, MO 63110 1-314-772-2200
Emergency telephone number.	Chemtrec: +1-800-424-9300 USA Chemtrec: +1-703-527-3887 ex-USA

## 2. Hazards Identification

### GHS Classification in accordance with 29 CFR 1910.1200

This product is not classified as hazardous according to GHS classification criteria.

### GHS Pictograms

None required.

### Signal Word

Not required.

### Unknown Acute Toxicity

< 0.1% of the mixture consists of ingredient(s) of unknown acute toxicity

## 3. Composition/Information on Ingredients

<u>Chemical Name</u>	<u>CAS-No.</u>	<u>Wt. %</u>
Citric acid	77-92-9	10-25
Guar	9000-30-0	2.5-10

The exact percentage (concentration) of composition has been withheld as a trade secret.

## 4. First-aid Measures

### Description of first-aid measures.

#### General advice.

Show this safety data sheet to the doctor in attendance. When symptoms persist or in all cases of doubt seek medical advice.

#### Inhalation.

Move to fresh air. If symptoms persist, call a physician.

#### Skin contact.

Immediate medical attention is not required. Wash off with soap and water. Wash contaminated clothing before reuse.

#### Eye contact.

Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. If symptoms persist, call a physician.

**Ingestion.**

If swallowed, DO NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Consult a physician.

**Symptoms.**

See Section 2 and Section 11, Toxicological effects for description of potential symptoms.

**Notes to physician.**

Treat symptomatically. There is no specific antidote for effects from overexposure to this material.

## 5. Fire-fighting Measures

**Extinguishing media.****Suitable extinguishing media.**

Use: Water spray. Carbon dioxide (CO<sub>2</sub>). Foam. Dry chemical. Cool containers with flooding quantities of water until well after fire is out.

**Extinguishing media which shall not be used for safety reasons.**

None known based on information supplied.

**Special hazards arising from the substance or mixture.**

Thermal decomposition can lead to release of irritating and toxic gases and vapors. Fine dust dispersed in air, in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard.

**Advice for firefighters.**

Use personal protective equipment. As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

## 6. Accidental Release Measures

**Personal precautions, protective equipment and emergency procedures.****Personal precautions.**

Avoid contact with the skin and the eyes. Use personal protective equipment. Ensure adequate ventilation, especially in confined areas.

**Advice for emergency responders.**

Use personal protection recommended in Section 8.

**Environmental precautions.**

Prevent product from entering drains. See Section 12 for additional Ecological information. Dust deposits should not be allowed to accumulate on surfaces as these may form an explosive mixture if they are released into the atmosphere in sufficient concentration. Avoid dispersal of dust in the air (i.e., cleaning dusty surfaces with compressed air). Nonsparking tools should be used.

**Methods and materials for containment and cleaning up.****Methods for Containment.**

Avoid dust formation. Take precautionary measures against static discharges. Take up mechanically and collect in suitable container for disposal. Keep in suitable and closed containers for disposal. Use personal protective equipment. Do not dry sweep dust. Wet dust with water before sweeping or use a vacuum to collect dust.

**Methods for cleaning up.**

Avoid dust formation. Flush with plenty of water. Clean contaminated surface thoroughly. Keep in suitable and closed containers for disposal. Ventilate the area. Use personal protective equipment as required.

**Reference to other sections.**

See section 8 for more information.

## 7. Handling and Storage

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

#### Advice on safe handling.

Avoid breathing dust. Avoid contact with skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice. Fine dust dispersed in air may ignite. Wash hands before breaks and immediately after handling the product. Wear personal protective equipment. Take precautionary measures against static discharges. Avoid dust formation. Ensure adequate ventilation. Use according to package label instructions.

#### Hygiene measures.

Avoid breathing dust. Do not eat, drink or smoke when using this product. Keep away from food, drink and animal feeding stuffs. Keep working clothes separately. Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product. Wash contaminated clothing before reuse.

#### Storage Conditions.

Keep tightly closed in a dry and cool place. Keep in properly labeled containers. Store in accordance with local regulations. Keep away from food, drink and animal feedingstuffs.

## 8. Exposure Controls/Personal Protection

### Ingredients with Occupational Exposure Limits

<u>Chemical Name</u>	<u>ACGIH TLV-TWA</u>	<u>ACGIH-TLV STEL</u>	<u>OSHA PEL-TWA</u>	<u>OSHA PEL-CEILING</u>
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Contains no substances with occupational exposure limit values.

TLV = Threshold Limit Value TWA = Time Weighted Average PEL = Permissible Exposure Limit STEL = Short-Term Exposure Limit N.E. = Not Established

#### Engineering Measures.

Ensure adequate ventilation, especially in confined areas. Apply technical measures to comply with the occupational exposure limits. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction.

#### Personal protective equipment.

##### Eye/Face Protection.

Safety glasses with side-shields.

##### Skin and body protection.

Wear impervious gloves and/or clothing if needed to prevent contact with the material. Remove and wash contaminated clothing before re-use.

##### Respiratory protection.

In case of inadequate ventilation wear respiratory protection. If exposure limits are exceeded or irritation is experienced, respiratory protection should be worn. Respiratory protection must be provided in accordance with current local regulations.

## 9. Physical and chemical properties.

### Information on basic physical and chemical properties.

Physical state	Solid
Appearance	Granulated solid
Color	White to yellowish
Odor	Odorless
Odor Threshold	No Information
pH	3.0 (1% in water)
Melting/freezing point., °C (°F)	No Information
Flash Point., °C (°F)	No Information
Boiling point/boiling range., °C (°F)	280 (536)
Evaporation rate	No Information Available
Explosive properties.	No Information
Vapor pressure.	

Vapor density.	No Information
Specific Gravity. (g/cm <sup>3</sup> )	No Information
Water solubility.	1.718
Partition coefficient.	Soluble
Autoignition temperature., °C	No Information
Decomposition Temperature °C.	No Information
Viscosity, kinematic.	No Information

**Other information.**

Volatile organic compounds (VOC) content.	No Information
Density, lb/gal	14.310

## 10. Stability and Reactivity

**Reactivity.**

No dangerous reaction known under conditions of normal use.

**Chemical stability.**

Stable under recommended storage conditions.

**Possibility of hazardous reactions.**

None under normal processing.

**Conditions to Avoid.**

None known.

**Incompatible Materials.**

No materials to be especially mentioned.

**Hazardous Decomposition Products.**

Thermal decomposition can lead to release of irritating gases and vapours.

## 11. Toxicological Information

**Information on toxicological effects.****Acute toxicity.****Product Information**

LD50 Oral	LD50 Dermal	LC50 Inhalation
OralLD50	>2020 mg/kg mg/kg	N.I.

**Component Information.**

<u>CAS-No.</u>	<u>Chemical Name</u>	<u>LD50 Oral</u>	<u>LD50 Dermal</u>	<u>LC50 Inhalation</u>
77-92-9	Citric acid	11700 mg/kg Rat	N.I.	N.I.
9000-30-0	Guar	6770	N.I.	N.I.

N.I. = No Information

**Skin corrosion/irritation.**

No Information

**Eye damage/irritation.**

Irritating to eyes.

**Respiratory or skin sensitization.**

No Information

**Ingestion.**

No Information

**Germ cell mutagenicity.**

No Information

**Carcinogenicity.**

No Information

**Reproductive toxicity.**

No Information

**Specific target organ systemic toxicity (single exposure).**

No Information

**Specific target organ systemic toxicity (repeated exposure).**

No Information

**Aspiration hazard.**

No Information

**Primary Route(s) of Entry**

No Information

**12. Ecological Information****Toxicity.**

4.00% of the mixture consists of ingredient(s) of unknown aquatic toxicity

**Ecotoxicity effects.**

Chemical Name	Toxicity to algae	Toxicity to fish	Toxicity to daphnia and other aquatic invertebrates
Citric acid 77-92-9	-	LC50 96 h Lepomis macrochirus 1516 mg/L	-

**Persistence and degradability.**

No data are available on the product itself.

**Bioaccumulative potential.**

No data are available on the product itself.

**CAS-No.**

77-92-9

**Chemical Name**

Citric acid

**log POW**

-1.72

**Mobility in soil.**

No information

**Other adverse effects.**

No information

**13. Disposal Considerations****Waste Disposal Guidance.**

Disposal should be in accordance with applicable regional, national and local laws and regulations.

Empty containers should be taken to an approved waste handling site for recycling or disposal.

**14. Transport Information****DOT**

Shipping Name: Not Regulated

**IMDG**

Proper Shipping Name: Not Regulated

**IATA**

Proper Shipping Name: Not Regulated

## 15. Regulatory Information

### International Inventories:

TSCA	Complies
DSL	-
DSL/NDSL	-
EINECS/ELINCS	-
ENCS	-
IECSC	Complies
KECI	-
PICCS	-
AIIC	Complies
NZIoC	-

### TCSI

TSCA	United States Toxic Substances Control Act Section 8(b) Inventory.
DSL	Canadian Domestic Substances List.
DSL/NDSL	Canadian Domestic Substances List/Canadian Non-Domestic Substances List
EINECS/ELINCS	European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances.
ENCS	Japan Existing and New Chemical Substances.
IECSC	China Inventory of Existing Chemical Substances.
KECL	Korean Existing and Evaluated Chemical Substances.
PICCS	Philippines Inventory of Chemicals and Chemical Substances.
AIIC	Australian Inventory of Chemical Substances.
NZIoC	New Zealand Inventory of Chemicals.
TCSI	Taiwan Chemical Substance Inventory

### U.S. Federal Regulations:

#### SARA SECTION 313:

This product does not contain any chemicals that are subject to the reporting requirements of SARA 313.

#### TOXIC SUBSTANCES CONTROL ACT 12(b):

This product does not contain any chemicals that are subject to the reporting requirements of TSCA 12(b).

#### ADDITIONAL INFORMATION

Additional Information - Sxn 15: No Information

#### CALIFORNIA PROPOSITION 65 CARCINOGENS

No Proposition 65 Carcinogens exist in this product.

#### CALIFORNIA PROPOSITION 65 REPRODUCTIVE TOXINS

No Proposition 65 Reproductive Toxins exist in this product.

**16. Other Information**

**Revision Date:** 2/15/2023 **Supersedes Date:** 10/17/2022

**Reason for revision:** Product Composition Changed  
 Substance and/or Product Properties Changed in Section(s):  
 02 - Hazards Identification  
 15 - Regulatory Information  
 16 - Other Information  
 Revision Statement(s) Changed

**Datasheet produced by:** Regulatory Department

**HMIS Ratings:**

<b>Health:</b>	1	<b>Flammability:</b>	0	<b>Physical Hazard:</b>	0	<b>Personal Protection:</b>	X
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**NFPA Ratings:**

<b>Health:</b>	1	<b>Flammability:</b>	0	<b>Instability:</b>	0	<b>Physical &amp; Chemical:</b>	*
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Legend: N.A. - Not Applicable, N.E. - Not Established, N.D. - Not Determined, N.I. - No Information

The information provided on this SDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.