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 Protection Products
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

Chemical Name	CAS-No.	Wt. %
Citric acid	77-92-9	10-25
Guar	9000-30-0	2.5-10
Siloxanes and silanes, di-methyl, reaction products with silica / treated fumed silica	67762-90-7	<0.1

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_2). 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

Chemical Name	ACGIH TLV-TWA	ACGIH-TLV STEL	OSHA PEL-TWA	OSHA PEL-CEILING
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.	

	No Information
Vapor density.	No Information
Specific Gravity. (g/cm3)	1.718
Water solubility.	Soluble
Partition coefficient.	No Information
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.

CAS-No.	Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
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.
4.01% 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.	Chemical Name	log POW
77-92-9	Citric acid	-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.

NOTICE

Constituents of this product may include crystalline silica which, if inhalable, may cause silicosis, a form of progressive pulmonary fibrosis. Inhalable crystalline silica is listed by IARC as a group I carcinogen (lung) based on sufficient evidence in occupationally exposed humans and sufficient evidence in animals. Crystalline silica is also listed by the NTP as a known human carcinogen. Constituents may also contain asbestiform or non-asbestiform tremolite or other silicates as impurities, and above de minimis exposure to these impurities in inhalable form may be carcinogenic or cause other serious lung problems.

16. Other Information

Revision Date: 3/27/2023 **Supersedes Date:** 2/15/2023

Reason for revision: Substance Hazard Threshold % Changed
Substance and/or Product Properties Changed in Section(s):
01 - Product Information
Revision Statement(s) Changed

Datasheet produced by: Regulatory Department

HMIS Ratings:

Health:	1	**Flammability:**	0	**Physical Hazard:**	0	**Personal Protection:**	X

NFPA Ratings:

Health:	1	**Flammability:**	0	**Instability:**	0	**Physical & Chemical:**	*

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.