

PRODUCT CODE: 46-270
WITBIER STYLE FLAVOR

SDS VERSION: 11.0
REVISION DATE: 12/24/2017

SECTION 1 - IDENTIFICATION OF PRODUCT AND COMPANY

PRODUCT IDENTIFIER:	WITBIER STYLE FLAVOR
PRODUCT CODE:	46-270
CAS NUMBER:	
INTENDED USE:	For the manufacture of foods.
DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET:	
MANUFACTURER/SUPPLIER:	Kalsec® 3713 West Main Street Kalamazoo, Michigan 49006 USA
EMERGENCY CONTACT:	1-352-323-3500 COLLECT (IN U.S. & CANADA ONLY) 1-800-535-5053
FAX:	(269) 382-3060

SECTION 2 - HAZARDS IDENTIFICATION

CLASSIFICATION OF THE SUBSTANCE OR MIXTURE:

Flash Point Warning: H227 - Combustible liquid.
Skin Sensitization: H317 - May cause an allergic skin reaction.
Label Elements:



SIGNAL WORD Warning

Precautionary Code	Precautionary Code Description
P101	If medical advice is needed, have product container or label at hand.
P210	Keep away from heat/sparks/open flames/hot surfaces. – No smoking.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P272	Contaminated work clothing should not be allowed out of the workplace.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P302+P352	IF ON SKIN: Wash with plenty of soap and water.
P321	Specific treatment (Reference Section 3 in SDS).
P333+P313	If skin irritation or rash occurs: Get medical advice/attention.
P362	Take off contaminated clothing and wash before reuse.
P370+K301	In case of fire: Use CO2 or dry powder as the extinguishing media. Fight larger fires with foam. Use water only for cooling.

SAFETY DATA SHEET:

ACC. TO OSHA HCS, REGULATION (EC) 1907/2006, REGULATION (EC) 1272/2008:

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Precautionary Code	Precautionary Code Description
P370+P378	In case of fire: Use CO2 or dry powder as the extinguishing media. Fight larger fires with foam. Use water only for cooling.
P403	Store in a well-ventilated place.

SECTION 3 - COMPOSITION / INFORMATION ON INGREDIENTS

NAME	CAS	WT %	CLASSIFICATION
Eugenol	97-53-0	< 5	Acute Tox Oral 5, Eye Irrit. 2, Aquatic Acute 2, Skin Sens. 1, H303, H319, H401, H317

Please see section 16 for classification details.

SECTION 4 - FIRST AID MEASURES

GENERAL ADVICE:	If medical advice is needed, have product container or label at hand.
GENERAL ADVICE:	IF ON SKIN: Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/attention. Take off contaminated clothing and wash before reuse.

SECTION 5 - FIRE FIGHTING MEASURES

Extinguishing Media:	In case of fire: Use CO2 or dry powder as the extinguishing media. Fight larger fires with foam. Use water only for cooling.
Protective equipment:	See Section 8. According to the size of the fire, it may be necessary to wear a protective suit, eye protection, gloves and/or self-contained breathing apparatus.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment & emergency procedures:	See section 7.
Methods and materials for containing and cleaning up:	Clean up with suitable absorbent material (sand, vermiculite, diatomite, saw dust etc.).

SECTION 7 - HANDLING AND STORAGE

Precautions for safe handling:	Keep away from heat/sparks/open flames/hot surfaces. – No smoking. Avoid breathing dust/fume/gas/mist/vapours/spray. Contaminated work clothing should not be allowed out of the workplace. Wear protective gloves/protective clothing/eye protection/face protection.
Conditions for safe storage:	Store in a well-ventilated place.

SECTION 8 - EXPOSURE CONTROLS

<u>EXPOSURE LIMITS</u>	Unknown.
<u>APPROPRIATE</u>	See section 7.
<u>ENGINEERING CONTROLS</u>	
<u>PERSONAL PROTECTION</u>	See section 7.
<u>EQUIPMENT</u>	

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE:	PALE YELLOW, CLEAR TO SLIGHTLY HAZY
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ODOR:	SPICY, CLOVE, BANANA
ODOR THRESHOLD:	NOT DETERMINED
PH:	Not determined
MELTING / FREEZING POINT:	NOT DETERMINED
INITIAL BOILING POINT & RANGE:	NOT DETERMINED
FLASH POINT:	61°C
EVAPORATION RATE:	NOT DETERMINED
FLAMMABILITY: UPPER/LOWER	NOT DETERMINED
FLAMMABILITY LIMITS:	
VAPOUR PRESSURE:	NOT DETERMINED
VAPOUR DENSITY:	NOT DETERMINED
RELATIVE DENSITY:	NOT DETERMINED
SOLUBILITY:	NOT DETERMINED
PARTIAL COEFFICIENT (N-OCTANOL/WATER):	NOT DETERMINED
AUTO-IGNITION TEMPERATURE:	NOT DETERMINED
DECOMPOSITION TEMPERATURE:	NOT DETERMINED
VISCOSITY:	NOT DETERMINED
EXPLOSIVE PROPERTIES:	NOT DETERMINED
OXIDISING PROPERTIES:	NOT DETERMINED

SECTION 10 - STABILITY AND REACTIVITY

Reactivity:	No known reactions
Chemical Stability:	Under normal ambient storage this product is stable
Possibility of Hazardous Reactions:	No dangerous reactions known
Conditions to Avoid:	Extremes of temperature
Incompatible Materials:	No known
Hazardous Decomposition Products:	No dangerous decomposition products known

SECTION 11 - TOXICOLOGY INFORMATION

ACUTE TOXICITY (ORAL):	Not Classified
ACUTE TOXICITY (DERMAL):	Not Classified
ACUTE TOXICITY (INHALATION):	Not Classified
SKIN CORROSION / IRRITATION: SERIOUS EYE DAMAGE / IRRITATION:	Not Classified
SKIN SENSITIZATION:	CAT1
RESPIRATORY SENSITIZATION:	Not Classified
GERM CELL MUTAGENICITY:	Not Classified
CARCINOGENICITY:	Not Classified
SPECIFIC ORGAN TOXICITY (RE):	Not Classified
SPECIFIC ORGAN TOXICITY (SE):	Not Classified

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Aspiration Hazard:	Not Classified
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SECTION 12 - ECOLOGICAL INFORMATION

Acute (short-term) toxicity:	Not Classified
Chronic (long-term) toxicity:	Not Classified
Persistence and degradability:	No data
Bioaccumulative potential:	No data
Mobility in soil:	No data
Results of PBT and vPvB assessment:	No data
Other adverse effects:	No data

SECTION 13 - DISPOSAL CONSIDERATIONS

Product:	Dispose of contents/container in accordance with local, regional, national or international regulations.
Contaminated packaging:	Dispose of contents/container in accordance with local, regional, national or international regulations.

SECTION 14 - TRANSPORT INFORMATION**DOT (US)**

Not dangerous goods

IMDG

Not dangerous goods

IATA

Not dangerous goods

Further information

EHS-Mark required (IATA 197, IMDG code 2.10.2.7) for single packagings and combination packagings containing inner packagings with Dangerous Goods > 5L for liquids or > 5kg for solids.

SECTION 15 - REGULATORY INFORMATION**SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS / LEGISLATION SPECIFIC TO MIXTURE:**
THIS SAFETY DATASHEET HAS BEEN PREPARED IN ACCORDANCE WITH REGULATION (EC) NO. 1907/2006.**CHEMICAL SAFETY ASSESSMENT:**

NO CHEMICAL SAFETY ASSESSMENT HAS BEEN CARRIED OUT.

SECTION 16 - OTHER INFORMATIONH227: Combustible liquid.
H317: May cause an allergic skin reaction.**FURTHER INFORMATION**

THE ABOVE INFORMATION IS PROVIDED TO THE BEST OF OUR KNOWLEDGE AND REPRESENTS THE CURRENT STATE OF THAT KNOWLEDGE. HOWEVER THERE IS NO GUARANTEE THAT THE INFORMATION IS ALL-INCLUSIVE AND IT IS INTENDED TO BE USED AS A GUIDE ONLY. IT IS APPLICABLE ONLY TO THE APPROPRIATE SAFETY PRECAUTIONS OF THE PRODUCT AND DOES



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