

Printing date 01/16/2024

Reviewed on 01/16/2024

# 1 Identification

- · Product identifier
- Trade name: Smoke Flavor SMK360 Natural
- · Product number: 1773
- · Application of the substance / the mixture Flavoring Ingredients
- Details of the supplier of the safety data sheet

DISCLAIMER: The information in this Safety Data Sheet (SDS) is believed to be correct as of the date issued. Advanced Biotech makes NO WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR COURSE OF PERFORMANCE OR USAGE OF TRADE. User is responsible for determining whether the Advanced Biotech product is fit for a particular purpose and suitable for user's method of use or application. Given the variety of factors that can affect the use and application of an Advanced Biotech product, some of which are uniquely within the user's knowledge and control, it is essential that the user evaluate the Advanced Biotech product to determine whether it is fit for a particular purpose and suitable for user's method of use or application.

- Manufacturer/Supplier: Advanced Biotech 10 Taft Road Totowa, NJ 07512 USA
- · Information department: Product Safety Department productsafety@adv-bio.com
- · Emergency telephone number: Infotrac: 1-800-535-5053 (Domestic) & 1-352-323-3500 (International) Email: responders@infotrac.net & During normal business hours: 1-973-339-6242

Classification of the substance or n	nixture
GHS08 Health hazard	
Germ Cell Mutagenicity 2	H341 Suspected of causing genetic defects.
Carcinogenicity 2	H351 Suspected of causing cancer.
Specific Target Organ Toxicity - Repe 2	ated Exposure H373 May cause damage to organs throu prolonged or repeated exposure.
GHS05 Corrosion Skin Corrosion 1B	H314 Causes severe skin burns and e
	damage.
Eye Damage 1	H318 Causes serious eye damage.
GHS07	
Acute Toxicity - Oral 4	H302 Harmful if swallowed.



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### Safety Data Sheet acc. to OSHA HCS (29 CFR § 1910.1200)

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· vPvB: Not applicable.

# 3 Composition/information on ingredients

### · Chemical characterization: Mixtures

• **Description:** Mixture of the substances listed below with nonhazardous additions.

· Dangerous compo	nents:	
CAS: 64-19-7 EINECS: 200-580-7	Acetic acid Flammable Liquids 3, H226; Skin Corrosion 1A, H314; Eye Damage 1, H318; Acute Toxicity - Dermal 4, H312	≥10-<25%
CAS: 116-09-6 EINECS: 204-124-8	hydroxyacetone Flammable Liquids 3, H226; Acute Toxicity - Dermal 3, H311; Acute Toxicity - Inhalation 4, H332	2.5-10%
CAS: 90-05-1 EINECS: 201-964-7	Guaiacol Acute Toxicity - Oral 4, H302; Skin Irritation 2, H315; Eye Irritation 2A, H319	≥2.5-<10%
CAS: 80-71-7 EINECS: 201-303-2	Methylcyclopentenolone Acute Toxicity - Oral 4, H302; Sensitization - Skin 1, H317	2.5-10%
CAS: 91-10-1 EINECS: 202-041-1	2,6-Dimethoxyphenol	≤2.5%
CAS: 93-51-6 EINECS: 202-252-9	2-Methoxy-4-methylphenol Acute Toxicity - Oral 4, H302; Skin Irritation 2, H315; Eye Irritation 2A, H319; Sensitization - Skin 1B, H317	≥1-≤2.5%
CAS: 108-95-2 EINECS: 203-632-7	Phenol Acute Toxicity - Oral 3, H301; Acute Toxicity - Dermal 3, H311; Acute Toxicity - Inhalation 3, H331; S Germ Cell Mutagenicity 2, H341; Specific Target Organ Toxicity - Repeated Exposure 2, H373; Skin Corrosion 1B, H314; Eye Damage 1, H318	≥1-≤2.5%
CAS: 930-30-3 EINECS: 213-213-0	cyclopenten-2-one Flammable Liquids 3, H226; () Specific Target Organ Toxicity - Single Exposure 3, H335	≤2.5%
CAS: 96-48-0 EINECS: 202-509-5	4-Hydroxybutanoic acid lactone	≥1-≤2.5%
25	<ul> <li>α-Furfuraldehyde</li> <li>Flammable Liquids 3, H226;</li> <li>Acute Toxicity - Oral 3, H301;</li> <li>Acute Toxicity - Inhalation 2, H330;</li> <li>Carcinogenicity 2, H351;</li> <li>Acute Toxicity - Dermal 4, H312;</li> <li>Skin Irritation 2, H315; Eye</li> <li>Irritation 2A, H319;</li> <li>Specific Target Organ Toxicity - Single Exposure 3, H335</li> </ul>	≥0.1-≤2.5%
CAS: 123-76-2 EINECS: 204-649-2	Levulinic acid Acute Toxicity - Oral 4, H302; Skin Irritation 2, H315; Eye Irritation 2A, H319	≤2.5%
CAS: 6638-05-7 EINECS: 229-641-6	4-Methyl-2,6-Dimethoxyphenol Acute Toxicity - Oral 4, H302; Skin Irritation 2, H315; Eye Irritation 2A, H319; Specific Target Organ Toxicity - Single Exposure	≤2.5%



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CAS: 107-92-6	Butyric acid	≥1-≤2.5%
EINECS: 203-532-3	Skin Corrosion 1B, H314; Eye Damage 1, H318; Acute Toxicity - Oral 4, H302; Flammable Liquids 4, H227	$\mathcal{O}$
CAS: 1192-62-7	2-Acetylfuran	≤2.5%
EINECS: 214-757-1	Acute Toxicity - Oral 3, H301; Acute Toxicity - Dermal 2, H310; Acute Toxicity - Inhalation 4, H332; Flammable Liquids 4, H227	7,
CAS: 95-48-7	o-Cresol	<1%
EINECS: 202-423-8	Acute Toxicity - Oral 3, H301; Acute Toxicity - Dermal 3, H311; Skin Corrosion 1B, H314; Eye Damage 1, H318; Flammable Liquids 4, H227	
CAS: 106-44-5	p-Cresol	<1%
EINECS: 203-398-6	Acute Toxicity - Oral 3, H301; Acute Toxicity - Dermal 3, H311; Skin Corrosion 1B, H314; Eye Damage 1, H318	
CAS: 108-68-9	3,5-xylenol	<1%
EINECS: 203-606-5	Acute Toxicity - Oral 3, H301; Acute Toxicity - Dermal 3, H311; Skin Corrosion 1B, H314	
CAS: 67-56-1	Methanol	≤2.5%
EINECS: 200-659-6	<ul> <li>Flammable Liquids 2, H225;</li> <li>Acute Toxicity - Oral 3, H301;</li> <li>Acute Toxicity - Dermal 3, H311;</li> <li>Acute Toxicity - Inhalation 3, H331;</li> <li>Specific Target Organ Toxicity - Single Exposure 1, H370</li> </ul>	
·		

### 4 First-aid measures

- · Description of first aid measures
- General information:

Immediately remove any clothing soiled by the product.

Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

• After inhalation:

Supply fresh air and be sure to call for a doctor.

In case of unconsciousness place patient stably in side position for transportation.

- · After skin contact: Immediately wash with water and soap and rinse thoroughly.
- After eye contact: Rinse opened eye for several minutes under running water. Then consult a doctor.
- · After swallowing: Immediately call a doctor.
- · Information for doctor:
- **Most important symptoms and effects, both acute and delayed** No further relevant information available.
- Indication of any immediate medical attention and special treatment needed No further relevant information available.

### 5 Fire-fighting measures

- · Extinguishing media
- Suitable extinguishing agents:

CO2, powder or alcoholresistant foam.

CO2, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam. Use fire fighting measures that suit the environment.

Special hazards arising from the substance or mixture

During heating or in case of fire poisonous gases are produced.

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- · Advice for firefighters
- Protective equipment: Mouth respiratory protective device.
- Additional information
- Cool endangered receptacles with water spray.

Collect contaminated fire fighting water separately. It must not enter the sewage system.

### 6 Accidental release measures

- Personal precautions, protective equipment and emergency procedures
   Mount respiratory protective device.
   Wear protective equipment. Keep unprotected persons away.
- Environmental precautions: Do not allow to enter sewers/ surface or ground water.
- Methods and material for containment and cleaning up:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Use neutralizing agent.

Dispose contaminated material as waste according to section 13.

Ensure adequate ventilation.

Reference to other sections
 See Section 7 for information on safe handling.
 See Section 8 for information on personal protection equipment.
 See Section 13 for disposal information.

#### Protective Action Criteria for Chemicals

CAS: 64-19-7	Acetic acid	5 ppm
CAS: 116-09-6	hydroxyacetone	6.6 mg/m <sup>3</sup>
CAS: 108-95-2	Phenol	15 ppm
CAS: 96-48-0	4-Hydroxybutanoic acid lactone	3.6 mg/m <sup>3</sup>
	α-Furfuraldehyde	2 ppm
CAS: 107-92-6	Butyric acid	1.4 ppm
CAS: 79-09-4	Propionic acid	15 ppm
CAS: 78-93-3	butanone	200 ppm
CAS: 79-20-9	Methyl acetate	250 ppm
CAS: 67-56-1	Methanol	530 ppm
· PAC-2:		
CAS: 64-19-7	Acetic acid	35 ppm
CAS: 116-09-6	hydroxyacetone	73 mg/m³
CAS: 108-95-2	Phenol	23 ppm
CAS: 96-48-0	4-Hydroxybutanoic acid lactone	39 mg/m <sup>3</sup>
	α-Furfuraldehyde	10 ppm
CAS: 107-92-6	Butyric acid	16 ppm
CAS: 79-09-4	Propionic acid	28 ppm
CAS: 78-93-3	butanone	2700* ppm
CAS: 79-20-9	Methyl acetate	1,700 ppm
CAS: 67-56-1	Methanol	2,100 ppm
· PAC-3:		
CAS: 64-19-7	Acetic acid	250 ppm



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CAS: 116-09-6	hydroxyacetone	440 mg/m <sup>3</sup>
CAS: 108-95-2	Phenol	200 ppm
CAS: 96-48-0	4-Hydroxybutanoic acid lactone	310 mg/m <sup>3</sup>
	α-Furfuraldehyde	100 ppm
CAS: 107-92-6	Butyric acid	110 ppm
CAS: 79-09-4	Propionic acid	170 ppm
CAS: 78-93-3	butanone	4000* ppm
CAS: 79-20-9	Methyl acetate	10000* ppm
CAS: 67-56-1	Methanol	7200* ppm

#### 7 Handling and storage

- · Handling:
- Precautions for safe handling
   Ensure good ventilation/exhaustion at the workplace.
   Open and handle receptacle with care.
   Prevent formation of aerosols.
- Information about protection against explosions and fires: Keep respiratory protective device available.
- · Conditions for safe storage, including any incompatibilities
- · Storage:
- **Requirements to be met by storerooms and receptacles:** No special requirements.

Please refer to the product specification and/or Certificate of Analysis for product storage requirements.

- · Information about storage in one common storage facility: Not required.
- · Further information about storage conditions: Keep receptacle tightly sealed.
- **Specific end use(s)** No further relevant information available.

### 8 Exposure controls/personal protection

• Additional information about design of technical systems: No further data; see section 7.

- Control parameters
- · Components with limit values that require monitoring at the workplace:

The following constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit.

At this time, the other constituents have no known exposure limits.

### CAS: 64-19-7 Acetic acid

- PEL Long-term value: 25 mg/m<sup>3</sup>, 10 ppm
- REL Short-term value: 37 mg/m<sup>3</sup>, 15 ppm
  - Long-term value: 25 mg/m<sup>3</sup>, 10 ppm
- TLV Short-term value: 15 ppm Long-term value: 10 ppm

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### Trade name: Smoke Flavor SMK360 Natural (Continuation of page 6) CAS: 108-95-2 Phenol PEL Long-term value: 19 mg/m<sup>3</sup>, 5 ppm Skin REL Long-term value: 19 mg/m<sup>3</sup>, 5 ppm Ceiling limit value: 60\* mg/m<sup>3</sup>, 15.6\* ppm \*15-min; Skin TLV Long-term value: 5 ppm Skin; BEI, A4 α-Furfuraldehyde PEL Long-term value: 20 mg/m<sup>3</sup>, 5 ppm Skin TLV Long-term value: 0.2 ppm Skin; BEI, A3 CAS: 95-48-7 o-Cresol PEL Long-term value: 22 mg/m<sup>3</sup>, 5 ppm Skin REL Long-term value: 10 mg/m<sup>3</sup>, 2.3 ppm TLV Long-term value: 20\* mg/m<sup>3</sup> Skin;\*as inhalable fraction and vapor, A4 CAS: 106-44-5 p-Cresol PEL Long-term value: 22 mg/m<sup>3</sup>, 5 ppm Skin REL Long-term value: 10 mg/m<sup>3</sup>, 2.3 ppm TLV Long-term value: 20\* mg/m<sup>3</sup> Skin;\*as inhalable fraction and vapor, A4 CAS: 108-68-9 3,5-xylenol TLV Long-term value: 1\* ppm \*inh. fraction+vapor; DSEN, A3 CAS: 67-56-1 Methanol PEL Long-term value: 260 mg/m<sup>3</sup>, 200 ppm REL Short-term value: 325 mg/m<sup>3</sup>, 250 ppm Long-term value: 260 mg/m<sup>3</sup>, 200 ppm Skin Short-term value: 250 ppm TLV Long-term value: 200 ppm Skin; BEI · Ingredients with biological limit values: CAS: 108-95-2 Phenol BEI 250 mg/g creatinine Medium: urine Time: end of shift Parameter: Phenol with hydrolysis (background, nonspecific) α-Furfuraldehyde BEI 200 ma/L Medium: urine Time: end of shift

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# CAS: 67-56-1 Methanol BEI 15 mg/L Medium: urine Time: end of shift Parameter: Methanol (background, nonspecific) · Additional information: The lists that were valid during the creation were used as a basis. Exposure controls · Personal protective equipment: · General protective and hygienic measures: Keep away from foodstuffs, beverages and feed. Immediately remove all soiled and contaminated clothing. Wash hands before breaks and at the end of work. Store protective clothing separately. Avoid contact with the eyes. Avoid contact with the eyes and skin. · Breathing equipment: In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use respiratory protective device that is independent of circulating air. · Protection of hands: Protective gloves The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture. Selection of the glove material should be based on consideration of the penetration times, rates of diffusion and the degradation Material of gloves The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application. · Penetration time of glove material The exact break through time has to be determined by the manufacturer of the protective gloves and has to be observed. · Eye protection: Tightly sealed goggles 9 Physical and chemical properties Information on basic physical and chemical properties

- General Information
- Appearance:
  - Form:
  - Color:

Liquid According to product specification

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	(Continuation of page
Odor: Odor threshold:	According to product specification Not determined.
pH-value:	Not determined.
Change in condition Melting point/Melting range: Boiling point/Boiling range:	Undetermined.
Flash point:	>110 °C (>230 °F)
Flammability (solid, gaseous):	Not applicable.
Auto igniting:	485 °C (905 °F)
Decomposition temperature:	Not determined.
Ignition temperature:	Product is not selfigniting.
Danger of explosion:	Product does not present an explosion hazard.
Explosion limits: Lower: Upper:	4 Vol % 17 Vol %
Vapor pressure at 20 °C (68 °F):	23 hPa (17.3 mm Hg)
Density at 20 °C (68 °F): Relative density Vapor density Evaporation rate	1.1-1.12 g/cm³ (9.1795-9.3464 lbs/gal) Not determined. Not determined. Not determined.
Solubility in / Miscibility with Water:	Not miscible or difficult to mix.
Partition coefficient (n-octanol/wate	er): Not determined.
Viscosity: Dynamic: Kinematic:	Not determined. Not determined.
Solvent content: Organic solvents: Water: VOC content:	15.6 % 32.9 % 15.62 % 171.8-174.9 g/l / 1.43-1.46 lb/gal
Solids content:	24.5-33.5 %
Other information	No further relevant information available.

# 10 Stability and reactivity

· Reactivity No further relevant information available.

· Chemical stability

- Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.
- Possibility of hazardous reactions No dangerous reactions known.
- · Conditions to avoid No further relevant information available.

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- · Incompatible materials: No further relevant information available.
- · Hazardous decomposition products: No dangerous decomposition products known.

Acute toxi	•	at are relevant for classification:
		y Estimate)
•	LD50	1,509 mg/kg
Dermal	LD50	2,126 mg/kg
Inhalative	LC50/4 h	37.5 mg/l
CAS: 116-0	09-6 hydr	roxyacetone
Oral	LD50	2,200 mg/kg (rat)
Dermal	LD50	300 mg/kg (ATE)
Inhalative	LC50/4 h	11 mg/l (ATE)
Sensitizati Additional	n: No irrita : Strong i ion: Sens I toxicolo ict shows	
on the skin on the eye Sensitizati Additional The product	n: No irrita e: Strong i ion: Sens I toxicolo lot shows ns:	ant effect. rritant with the danger of severe eye injury. itization possible through skin contact. <b>gical information:</b> the following dangers according to internally approved calculation methods fo
on the skii on the eye Sensitizati Additional The produ- preparation Harmful Irritant Carcinoge	n: No irrita : Strong i ion: Sens I toxicolo ict shows ns: enic categ	ant effect. rritant with the danger of severe eye injury. itization possible through skin contact. <b>gical information:</b> the following dangers according to internally approved calculation methods fo
on the skii on the eye Sensitizati Additional The produ- preparation Harmful Irritant Carcinoge	n: No irrita : Strong i ion: Sens I toxicolo ict shows ns: enic categernational	ant effect. rritant with the danger of severe eye injury. itization possible through skin contact. gical information: the following dangers according to internally approved calculation methods for pories Agency for Research on Cancer)
on the skii on the eye Sensitizati Additional The produ- preparation Harmful Irritant Carcinoge IARC (Inte CAS: 108-9	n: No irrita : Strong i ion: Sens I toxicolo lot shows ns: enic categ rnational 95-2 Pher	ant effect. rritant with the danger of severe eye injury. itization possible through skin contact. gical information: the following dangers according to internally approved calculation methods for pories Agency for Research on Cancer)
on the skii on the eye Sensitizati Additional The produ- preparation Harmful Irritant Carcinoge IARC (Inte CAS: 108-9	n: No irrita : Strong i ion: Sens I toxicolo ict shows ns: enic categ rnational 95-2 Pher 8-0 4-Hy	ant effect. rritant with the danger of severe eye injury. itization possible through skin contact. gical information: the following dangers according to internally approved calculation methods for pories Agency for Research on Cancer) nol 3
on the skii on the eye Sensitizati Additional The produ- preparation Harmful Irritant Carcinoge IARC (Inte CAS: 108-5 CAS: 96-48	n: No irrita c: Strong i ion: Sens I toxicolo ict shows ns: enic categ rnational 95-2 Phei 8-0 4-Hy α-Fu	ant effect. rritant with the danger of severe eye injury. itization possible through skin contact. gical information: the following dangers according to internally approved calculation methods for pories Agency for Research on Cancer) nol /droxybutanoic acid lactone
on the skin on the eye Sensitizati Additional The produ- preparation Harmful Irritant Carcinoge IARC (Inte CAS: 108-9 CAS: 96-48 NTP (Natio	n: No irrita c: Strong i ion: Sens I toxicolo ict shows ns: enic categ rnational 95-2 Phei 8-0 4-Hy α-Fu onal Toxi	ant effect. rritant with the danger of severe eye injury. itization possible through skin contact. gical information: the following dangers according to internally approved calculation methods for pories Agency for Research on Cancer) nol vdroxybutanoic acid lactone infuraldehyde

# 12 Ecological information

### · Toxicity

- Aquatic toxicity: No further relevant information available.
- Persistence and degradability No further relevant information available.
- Behavior in environmental systems:
- · Bioaccumulative potential No further relevant information available.
- Mobility in soil No further relevant information available.

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#### · Additional ecological information:

- · General notes:
- Water hazard class 1 (Self-assessment): slightly hazardous for water

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

Must not reach bodies of water or drainage ditch undiluted or unneutralized.

- · Results of PBT and vPvB assessment
- **PBT:** Not applicable.
- · vPvB: Not applicable.
- · Other adverse effects No further relevant information available.

#### 13 Disposal considerations

- · Waste treatment methods
- Recommendation: Must not be disposed of
  - Must not be disposed of together with household garbage. Do not allow product to reach sewage system.
- · Uncleaned packagings:
- Recommendation: Disposal must be made according to official regulations.

### 14 Transport information · UN-Number · DOT, IMDG, IATA UN2790 · UN proper shipping name · DOT Acetic acid solution · IMDG, IATA ACETIC ACID SOLUTION · Transport hazard class(es) · DOT · Class 8 Corrosive substances · Label 8 · IMDG, IATA Class 8 Corrosive substances · Label 8 Packing group · DOT, IMDG, IATA Ш Environmental hazards: Not applicable. (Continued on page 12)



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Special precautions for user	Warning: Corrosive substances
Hazard identification number (Kemler co	
EMS Number:	F-A,S-B
Segregation groups	(SGG1) Acids
Stowage Category	A
Transport in bulk according to Annex II o	of
MARPOL73/78 and the IBC Code	Not applicable.
· Transport/Additional information:	
DOT	
Quantity limitations	On passenger aircraft/rail: 5 L
	On cargo aircraft only: 60 L
·IMDG	
Limited quantities (LQ)	5L
Excepted quantities (EQ)	Code: E1
• • • • • •	Maximum net quantity per inner packaging: 30 ml
	Maximum net quantity per outer packaging: 1000 ml
· UN "Model Regulation":	UN 2790 ACETIC ACID SOLUTION, 8, III
	A

<ul> <li>Safety, health a</li> <li>Sara</li> </ul>	nd environmental regulations/legislation specific for	the substance or mixture
· Section 355 (ex	tremely hazardous substances):	
CAS: 108-95-2	Phenol	
CAS: 95-48-7	o-Cresol	
Section 313 (Sp	ecific toxic chemical listings):	
CAS: 108-95-2	Phenol	
CAS: 95-48-7	o-Cresol	
CAS: 106-44-5	p-Cresol	
CAS: 67-56-1	Methanol	
TSCA (Toxic Su	ibstances Control Act):	
CAS: 7732-18-5	Deionized Water	ACTIVE
CAS: 64-19-7	Acetic acid	ACTIVE
CAS: 116-09-6	hydroxyacetone	ACTIVE
CAS: 90-05-1	Guaiacol	ACTIVE
CAS: 80-71-7	Methylcyclopentenolone	ACTIVE
CAS: 91-10-1	2,6-Dimethoxyphenol	ACTIVE
CAS: 93-51-6	2-Methoxy-4-methylphenol	ACTIVE
CAS: 108-95-2	Phenol	ACTIVE
CAS: 96-48-0	4-Hydroxybutanoic acid lactone	ACTIVE
~	α-Furfuraldehyde	ACTIVE
CAS: 123-76-2	Levulinic acid	ACTIVE



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CAC: 407 00 0	(Contir	nuation of page 1
CAS: 107-92-6	Butyric acid	ACTIVE
	3-Ethyl-2-hydroxy-2-cyclopenten-1-one	ACTIVE
CAS: 79-09-4	Propionic acid	ACTIVE
CAS: 1192-62-7	2-Acetylfuran	ACTIVE
CAS: 2785-89-9	4-Ethyl Guaiacol	ACTIVE
CAS: 95-48-7	o-Cresol	ACTIVE
CAS: 123-07-9	p-Ethylphenol	ACTIVE
CAS: 106-44-5	p-Cresol	ACTIVE
CAS: 620-02-0	5-Methylfurfural	ACTIVE
CAS: 513-86-0	Acetoin (Liquid)	ACTIVE
CAS: 78-93-3	butanone	ACTIVE
CAS: 108-68-9	3,5-xylenol	ACTIVE
CAS: 79-20-9	Methyl acetate	ACTIVE
CAS: 67-56-1	Methanol	ACTIVE
CAS: 503-74-2	Isovaleric acid	ACTIVE
CAS: 108-29-2	gamma-Valerolactone	ACTIVE
CAS: 121-32-4	Ethyl vanillin	ACTIVE
Hazardous Air Po	ollutants	
CAS: 108-95-2 P	henol	
CAS: 95-48-7 o-	-Cresol	
CAS: 106-44-5 p-	-Cresol	
CAS: 67-56-1 M	lethanol	
Proposition 65		
Chemicals know	n to cause cancer:	
None of the ingrea	dients is listed.	
Chemicals know	n to cause reproductive toxicity for females:	
None of the ingred		
Chemicals know	n to cause reproductive toxicity for males:	
None of the ingred		
•	n to cause developmental toxicity:	
CAS: 67-56-1 Me		
	U	
Carcinogenic cat	-	
· · · · · · · · · · · · · · · · · · ·	ntal Protection Agency)	
CAS: 108-95-2 P		D, I
	-Cresol	С
CAS: 106-44-5 p-	-Cresol	С
CAS: 78-93-3 bi	utanone	I
TLV (Threshold I	Limit Value)	
CAS: 108-95-2 P	•	A4
α	-Furfuraldehyde	A3
	nal Institute for Occupational Safety and Health)	I
None of the ingred	· · ·	



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# Safety Data Sheet acc. to OSHA HCS (29 CFR § 1910.1200)

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### Trade name: Smoke Flavor SMK360 Natural

· GHS label elements
Pictograms on label shall be in the shape of a square set at a point and shall include a black hazard symbol on a white background with a red frame sufficiently wide to be clearly visible. The product is classified and labeled according to the Globally Harmonized System (GHS). • Hazard pictograms
GHS05 GHS07 GHS08
· Signal word Danger
Hazard-determining components of labeling:
Acetic acid Phenol
Methylcyclopentenolone
Butyric acid
2-Methoxy-4-methylphenol
· Hazard statements
H302 Harmful if swallowed.
H314 Causes severe skin burns and eye damage.
H317 May cause an allergic skin reaction.
H341 Suspected of causing genetic defects.
H351 Suspected of causing cancer.
H373 May cause damage to organs through prolonged or repeated exposure.
· Precautionary statements
P260 Do not breathe/dust/fume/gas/mist/vapors/spray.
P303+P361+P353 If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if
P310 present and easy to do. Continue rinsing. Immediately call a poison center/doctor.
P310 Infinediately call a poison center/doctor. P321 Specific treatment (see on this label).
P405 Store locked up.
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.
· Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

# 16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Relevant phrases

H225 Highly flammable liquid and vapor.

H226 Flammable liquid and vapor.

- H227 Combustible liquid.
- H301 Toxic if swallowed.
- H302 Harmful if swallowed.
- H310 Fatal in contact with skin.
- H311 Toxic in contact with skin.
- H312 Harmful in contact with skin.
- H314 Causes severe skin burns and eye damage.

(Continued on page 15)



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Trade name: Smoke Flavor SMK360 Natural (Continuation of page 14) H315 Causes skin irritation. H317 May cause an allergic skin reaction. H318 Causes serious eye damage. H319 Causes serious eye irritation. H330 Fatal if inhaled. H331 Toxic if inhaled. H332 Harmful if inhaled. H335 May cause respiratory irritation. H336 May cause drowsiness or dizziness. H341 Suspected of causing genetic defects. H351 Suspected of causing cancer. H370 Causes damage to organs. H373 May cause damage to organs through prolonged or repeated exposure. · Department issuing SDS: Product Safety Department · Contact: Product Safety Department productsafety@adv-bio.com Date of preparation / last revision 01/16/2024 Abbreviations and acronyms: ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road) IMDG: International Maritime Code for Dangerous Goods DOT: US Department of Transportation IATA: International Air Transport Association EINECS: European Inventory of Existing Commercial Chemical Substances ELINCS: European List of Notified Chemical Substances CAS: Chemical Abstracts Service (division of the American Chemical Society) NFPA: National Fire Protection Association (USA) HMIS: Hazardous Materials Identification System (USA) VOC: Volatile Organic Compounds (USA, EU) LC50: Lethal concentration, 50 percent LD50: Lethal dose, 50 percent PBT: Persistent, Bioaccumulative and Toxic vPvB: very Persistent and very Bioaccumulative NIOSH: National Institute for Occupational Safety OSHA: Occupational Safety & Health TLV: Threshold Limit Value PEL: Permissible Exposure Limit **REL: Recommended Exposure Limit** BEI: Biological Exposure Limit Flammable Liquids 2: Flammable liquids – Category 2 Flammable Liquids 3: Flammable liquids – Category 3 Flammable Liquids 4: Flammable liquids - Category 4 Acute Toxicity - Dermal 3: Acute toxicity – Category 3 Acute Toxicity - Dermal 4: Acute toxicity – Category 4 Acute Toxicity - Inhalation 2: Acute toxicity - Category 2 Skin Corrosion 1A: Skin corrosion/irritation - Category 1A Skin Corrosion 1B: Skin corrosion/irritation - Category 1B Skin Irritation 2: Skin corrosion/irritation - Category 2 Eye Damage 1: Serious eye damage/eye irritation - Category 1 Eye Irritation 2A: Serious eye damage/eye irritation - Category 2A Sensitization - Skin 1: Skin sensitisation - Category 1 Sensitization - Skin 1B: Skin sensitisation - Category 1B Germ Cell Mutagenicity 2: Germ cell mutagenicity - Category 2 Carcinogenicity 2: Carcinogenicity – Category 2 Specific Target Organ Toxicity - Single Exposure 1: Specific target organ toxicity (single exposure) - Category 1 Specific Target Organ Toxicity - Single Exposure 3: Specific target organ toxicity (single exposure) – Category 3 Specific Target Organ Toxicity - Repeated Exposure 2: Specific target organ toxicity (repeated exposure) – Category 2