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Safety Data Sheet acc. to OSHA HCS

*Printing date 03/24/2020* 

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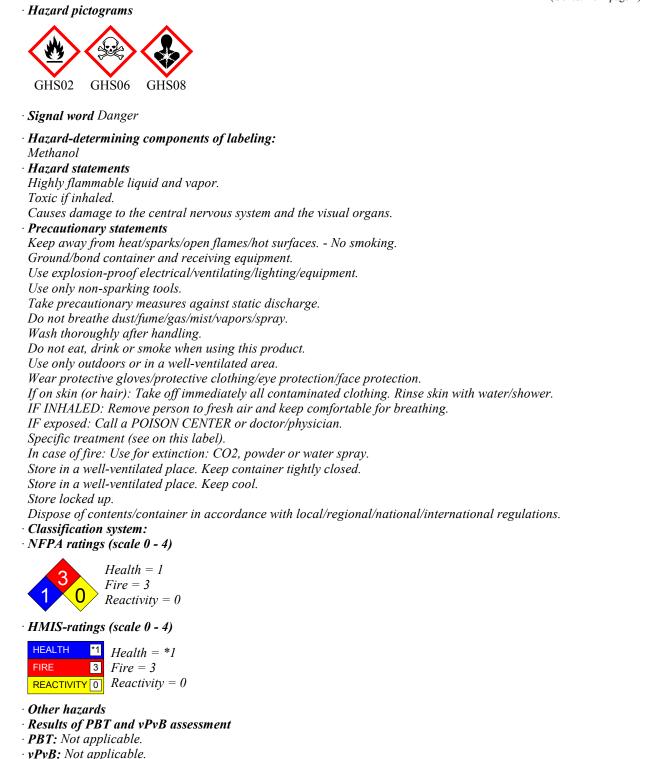
<b>Identifica</b>	tion
Product ide	ntifier
	e: <u>AB-FUBINACA metabolite 3 (CRM)</u>
	fluorophenyl)methyl]-1H-indazol-3-yl]carbonyl]-L-valine, FUB-AMB 3-methylbutanoic A MMB-FUBINACA metabolite 1
Article num CAS Numbe 67-56-1	ber: 17771, 019172 er:
<b>EC number</b> 200-659-6	:
<b>Index numl</b> 603-001-00	
Application	of the substance / the mixture For research use only - not for human or veterinary use.
	sworth Rd.
<b>Emergency</b> During norr US/CANAD	n department: Product safety department telephone number: nal opening times: +1 (734) 971-3335 A: 800-424-9300 (CANADA: 703-741-5970
Hazard(s)	identification
Classificatio	on of the substance or mixture
G	HS02 Flame
Flam. Liq. 2	P. H225 Highly flammable liquid and vapor.
See G	HS06 Skull and crossbones
Acute Tox. 3	3 H331 Toxic if inhaled.
G	HS08 Health hazard
STOT SE 1	H370 Causes damage to the central nervous system and the visual organs.

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Trade name: AB-FUBINACA metabolite 3 (CRM)

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Trade name: AB-FUBINACA metabolite 3 (CRM)

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### 3 Composition/information on ingredients

- · Chemical characterization: Substances
- CAS No. Description 67-56-1 Methanol
- · Identification number(s)
- · EC number: 200-659-6
- Index number: 603-001-00-X

#### 4 First-aid measures

· Description of first aid measures

#### • General information:

- Immediately remove any clothing soiled by the product.
- Remove breathing apparatus only after contaminated clothing have been completely removed.
- In case of irregular breathing or respiratory arrest provide artificial respiration.

#### • After inhalation:

- Supply fresh air or oxygen; call for 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: If symptoms persist consult doctor.
- · Information for doctor:
- · Most important symptoms and effects, both acute and delayed

May cause anemia, cough, CNS depression, drowsiness, headache, heart damage, lassitude (weakness, exhaustion), liver damage, narcosis, reproductive effects, teratogenic effects. 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, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam. • Special hazards arising from the substance or mixture
- 67-56-1During heating or in case of fire poisonous gases are produced.
- · Advice for firefighters
- · Protective equipment: Mouth respiratory protective device.

#### 6 Accidental release measures

• Personal precautions, protective equipment and e	emergency procedures
Mount respiratory protective device.	0 11
Wear protective equipment. Keep unprotected pers	sons away.
• Environmental precautions:	-
Dilute with plenty of water.	

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). Dispose contaminated material as waste according to item 13.

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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

• **PAC-1:** 

· PAC-2:

· PAC-3:

7200\* ppm

2,100 ppm

530 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 of acrosols. Information about protection against explosions and fires: Keep ignition sources away - Do not smoke. Protect against electrostatic charges.* 

Keep respiratory protective device available.

• Conditions for safe storage, including any incompatibilities Keep container tightly closed. Store in accordance with information listed on the product insert.

· Storage:

• Requirements to be met by storerooms and receptacles: Store in a cool location.

- · Information about storage in one common storage facility: Not required.
- Further information about storage conditions:
- Keep receptacle tightly sealed.

Store in cool, dry conditions in well sealed receptacles.

• Specific end use(s) No further relevant information available.

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## 8 Exposure controls/personal protection

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

<sup>·</sup> Control parameters

·C	omponents with limit values that require monitoring at the workplace:
67	7-56-1 Methanol
P	EL Long-term value: 260 mg/m <sup>3</sup> , 200 ppm
R	EL Short-term value: 325 mg/m <sup>3</sup> , 250 ppm Long-term value: 260 mg/m <sup>3</sup> , 200 ppm Skin
TI	N Short-term value: 328 mg/m <sup>3</sup> , 250 ppm Long-term value: 262 mg/m <sup>3</sup> , 200 ppm Skin; BEI
	(Contd. on page 5)

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# Trade name: AB-FUBINACA metabolite 3 (CRM)

Ingredients with biological limit values: 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 basis. Exposure controls Reposure controls Reposure controls Methanol protective equipment: General protective and hygienic measures: Keep away from foodstuffs, beverages and feed. Immediately remove all solided and contaminated clothing. Wash hands before breaks and at the end of work. Store protective clothing separately. Breathing equipment: In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure u respiratory protective device that is independent of circulating air. Protection of hands: 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/ th chemical mixture. Stelection of the glove material on consideration of the penetration times, rates of diffusion and the degradation Material of gloves The selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation Material of gloves The exact break through time has to be found out by the manufacturer of the protective gloves and has to be sherved. Ever protection: Ever protection: Physical and chemical properties	Ingradi	(Contd. from page 4
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 basis.         Exposure controls         Bersonal 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.         Breathing equipment:         In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure userspiratory protective gloves         Protective gloves         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 on consideration of the penetration times, rates of diffusion and the degradation that sets for manufacturer to manufacturer.         Protection of the suitable gloves does not only depend on the material, but also on further marks of quality at varies from manufacturer to manufacturer.         Pretention time of glove material         The sealction of the suitable gloves does not only depend o	-	
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Physical and chemical properties		
		Tightly sealed goggles
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- · Information on basic physical and chemical properties · General Information

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· Appearance:	
Form:	Fluid
Color:	Colorless
· Odor:	Alcohol-like
· Structural Formula	С Н3 - О Н
· Molecular Weight	32.05
· Odor threshold:	Not determined.

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	(Contd. from page
pH-value:	Not determined.
Change in condition	
Melting point/Melting range:	-98 °C (-144.4 °F)
Boiling point/Boiling range:	64.7 °C (148.5 °F)
Flash point:	11 °C (51.8 °F)
Flammability (solid, gaseous):	Not applicable.
Ignition temperature:	455 °C (851 °F)
Decomposition temperature:	Not determined.
Auto igniting:	Not determined.
Danger of explosion:	Product is not explosive. However, formation of explosive air/vapor
	mixtures are possible.
Explosion limits:	
Lower:	5.5 Vol %
Upper:	44 Vol %
· Vapor pressure at 20 °C (68 °F):	128 hPa (96 mm Hg)
Density at 20 °C (68 °F):	0.79 g/cm³ (6.59255 lbs/gal)
· Relative density	Not determined.
· Vapor density	Not determined.
Evaporation rate	Not determined.
Solubility in / Miscibility with	
Water:	Fully miscible.
Partition coefficient (n-octanol/wate	<b>er):</b> Not determined.
Viscosity:	
Dynamic:	Not determined.
Kinematic:	Not determined.
Organic solvents:	<i>99.9 %</i>
VOC content:	99.90 %
	999.0 g/l / 8.34 lb/gal
Solids content:	0.1 %
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.
- Incompatible materials: No further relevant information available.
- · Hazardous decomposition products: No dangerous decomposition products known.

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LD/LC50 values	that are relevant for cl	assification:
ATE (Acute Toxi	icity Estimate)	
Inhalative	LC50/4 h	3 mg/l
67-56-1 Methand	əl	
Oral	LDLO	143 mg/kg (hmn)
	TDLO	5 ml/kg (rat)
	LD50	5,600 mg/kg (rat)
Dermal	LD50	15,800 mg/kg (rabbit)
Inhalative	LC50/4 h	64,000 mg/m <sup>3</sup> (rat)
	LC50	61,100 mg/m <sup>3</sup> /134 m (mouse)
	LC50/4 h	64,000 mg/l (rat)
Irritation of skin	Irritation	20 mg/24h (rabbit)
	Irritation	(rabbit)
	Irritation	5.63 mg/kg/exempt preparation (rabbit)
Irritation of eyes	Irritation	40 mg (rabbit)
	Intraperitoneal TDLO	5 mg/kg (rat)
	Intraperitoneal LD50	10,765 mg/kg (mouse)
	Subcutaneous LD50	143 mg/kg/human (mouse)
	Data	20 mg/24h (rabbit)
	LD50	15,800 /mg/kg (rabbit)
	rritant effect.	vn.
Carcinogenic cat	tegories	
,	onal Agency for Resear	ch on Cancer)
None of the ingre	dients is listed.	
NTP (National T	oxicology Program)	
None of the ingre	dients is listed.	
OSHA-Ca (Occu	pational Safety & Heal	Ith Administration)
None of the ingre	edients is listed.	

• 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 2 (Assessment by list): hazardous for water Do not allow product to reach ground water, water course or sewage system. Danger to drinking water if even small quantities leak into the ground.
- · 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 together with household garbage. Do not allow product to reach sewage system.

- · Uncleaned packagings:
- Recommendation: Disposal must be made according to official regulations.
- · Recommended cleansing agent: Water, if necessary with cleansing agents.

UN-Number DOT, IMDG, IATA	UN1230	
UN proper shipping name DOT, IATA IMDG	Methanol solution METHANOL solution	
Transport hazard class(es)		
DOT		
Class Label	3 Flammable liquids 3, 6.1	
IMDG	5, 0.1	
Class	3 Flammable liquids	
Label	3/6.1	
Class	3 Flammable liquids	

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Label	3 (6.1)
Packing group DOT, IMDG, IATA	II
Environmental hazards:	Not applicable.
Special precautions for user Hazard identification number (Kemler code). EMS Number: Stowage Category	F-E,S-D B
Stowage Code Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	SW2 Clear of living quarters. Not applicable.
Transport/Additional information:	
DOT	
Quantity limitations	On passenger aircraft/rail: 1 L On cargo aircraft only: 60 L
IMDG	
Limited quantities (LQ) Excepted quantities (EQ)	1L Code: E2 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml
IATA	
Remarks:	When sold in quantities of less than or equal to 1 mL, or 1 g, with an Excepted Quantity Code of E1, E2, E4, or E5, this item meets the De Minimis Quantitie exemption, per IATA 2.6.10. Therefore packaging does not have to be labeled as Dangerou Goods/Excepted Quantity.
UN "Model Regulation":	UN 1230 METHANOL SOLUTION, 3 (6.1), II

## **15 Regulatory information**

 $\cdot$  Safety, health and environmental regulations/legislation specific for the substance or mixture  $\cdot$  Sara

Section 355 (extremely hazardous substances):

None of the ingredients is listed.

• Section 313 (Specific toxic chemical listings):

67-56-1 Methanol

• TSCA (Toxic Substances Control Act):

· Hazardous Air Pollutants

67-56-1 Methanol

Proposition 65

· Chemicals known to cause cancer:

None of the ingredients is listed.

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ACTIVE

<sup>-</sup> US

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Trade name: AB-FUBINACA metabolite 3 (CRM)

· Chemicals known to cause reproductive toxicity for females:

None of the ingredients is listed.

· Chemicals known to cause reproductive toxicity for males:

None of the ingredients is listed.

• Chemicals known to cause developmental toxicity:

67-56-1 Methanol

· Carcinogenic categories

· EPA (Environmental Protection Agency)

None of the ingredients is listed.

• TLV (Threshold Limit Value established by ACGIH)

None of the ingredients is listed.

· NIOSH-Ca (National Institute for Occupational Safety and Health)

None of the ingredients is listed.

• *GHS label elements* The substance is classified and labeled according to the Globally Harmonized System (GHS). • *Hazard pictograms* 



· Signal word Danger

· Hazard-determining components of labeling: Methanol · Hazard statements Highly flammable liquid and vapor. Toxic if inhaled. *Causes damage to the central nervous system and the visual organs.* · Precautionary statements Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Ground/bond container and receiving equipment. *Use explosion-proof electrical/ventilating/lighting/equipment.* Use only non-sparking tools. Take precautionary measures against static discharge. Do not breathe dust/fume/gas/mist/vapors/spray. Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Use only outdoors or in a well-ventilated area. Wear protective gloves/protective clothing/eye protection/face protection. If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. IF INHALED: Remove person to fresh air and keep comfortable for breathing. IF exposed: Call a POISON CENTER or doctor/physician. Specific treatment (see on this label). In case of fire: Use for extinction: CO2, powder or water spray. Store in a well-ventilated place. Keep container tightly closed. Store in a well-ventilated place. Keep cool. Store locked up. Dispose of contents/container in accordance with local/regional/national/international regulations.

(Contd. on page 11)

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Printing date 03/24/2020

Revision date 03/24/2020

Trade name: AB-FUBINACA metabolite 3 (CRM)

· Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

#### (Contd. from page 10)

## **<u>16 Other information</u>**

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.

· Department issuing SDS: Environment protection department.

· Contact: -

· Date of preparation / last revision 03/24/2020 / -• Abbreviations and acronyms: IMDG: International Maritime Code for Dangerous Goods DOT: US Department of Transportation IATA: International Air Transport Association ACGIH: American Conference of Governmental Industrial Hygienists EINECS: European Inventory of Existing Commercial 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 Flam. Liq. 2: Flammable liquids – Category 2 Acute Tox. 3: Acute toxicity – Category 3 STOT SE 1: Specific target organ toxicity (single exposure) - Category 1 • \* Data compared to the previous version altered.