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### **1** Identification

- · Product identifier
- · Trade name: D-Amphetamine (hydrochloride) (exempt preparation)
- Article number: 15650
- **Application of the substance / the mixture** This product is for research use - Not for human or veterinary diagnostic or therapeutic use.
- · Details of the supplier of the safety data sheet
- **Manufacturer/Supplier:** Cayman Chemical Co. 1180 E. Ellsworth Rd. Ann Arbor, MI 48108 USA
- Information department: Product safety department
   Emergency telephone number: During normal opening times: +1 (734) 971-3335 US/CANADA: 800-424-9300 Outside US/CANADA: 703-741-5970

# 2 Hazard(s) identification

Flammable Liquids 2	H225 Highly flammable liquid and vapor.
GHS06 Skull and crossbones	
Acute Toxicity - Oral 3	H301 Toxic if swallowed.
Acute Toxicity - Dermal 3	H311 Toxic in contact with skin.
Acute Toxicity - Inhalation 3	H331 Toxic if inhaled.
GHS08 Health hazard	

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	(Contd. from page 1)
· Label elements	
· GHS label eleme	ints
The product is cla	issified and labeled according to the Globally Harmonized System (GHS).
<ul> <li>Hazard pictogram</li> </ul>	ms
	<b>A</b>
<u>79</u>	
GHS02 GHS06	GHS08
· Signal word Dan	ger
· Hazard-determir	ing components of labeling:
Methanol	
D-Amphetamine	(hydrochloride)
<ul> <li>Hazard statemer</li> </ul>	
H225	Highly flammable liquid and vapor.
	1 Toxic if swallowed, in contact with skin or if inhaled.
H370	Causes damage to the central nervous system and the visual organs.
• Precautionary st	
P210	Keep away from heat/sparks/open flames/hot surfaces No smoking.
P240	Ground/bond container and receiving equipment.
P241	Use explosion-proof electrical/ventilating/lighting/equipment.
P242 P243	Use only non-sparking tools.
P243 P260	Take precautionary measures against static discharge. Do not breathe dust/fume/gas/mist/vapors/spray.
P264	Wash thoroughly after handling.
P270	Do not eat, drink or smoke when using this product.
P271	Use only outdoors or in a well-ventilated area.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P301+P310	If swallowed: Immediately call a poison center/doctor.
P321	Specific treatment (see on this label).
P330	Rinse mouth.
P303+P361+P35	3 If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with
	water/shower.
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P307+P311	IF exposed: Call a POISON CENTER or doctor/physician.
P312	Call a poison center/doctor if you feel unwell.
P361+P364	Take off immediately all contaminated clothing and wash it before reuse.
P370+P378	In case of fire: Use CO2, powder or water spray to extinguish.
P403+P233	Store in a well-ventilated place. Keep container tightly closed.
P403+P235	Store in a well-ventilated place. Keep cool.
P405	Store locked up.
P501	Dispose of contents/container in accordance with local/regional/national/international regulations.
· Classification sy	
• NFPA ratings (se	
▲ · ·	
	lth = 0
Fire	
Rea	ctivity = 0
• •	(Contd. on page 3)
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· HMIS-ratings (scale 0 - 4)



#### · Other hazards

- Results of PBT and vPvB assessment
- **PBT:** Not applicable.
- vPvB: Not applicable.

#### **3 Composition/information on ingredients**

- · Chemical characterization: Mixtures
- **Description:** Mixture of the substances listed below with nonhazardous additions.

· Dangerous components:		
CAS: 67-56-1 RTECS: PC1400000	Methanol	99.9%
CAS: 1462-73-3 RTECS: SH9798400	D-Amphetamine (hydrochloride)	0.1%

#### **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: Do not induce vomiting; immediately call for medical help.
- · 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.

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#### Advice for firefighters

· **Protective equipment:** Mouth respiratory protective device.

#### 6 Accidental release measures

· Personal precautions, protective equipment and emergency procedures Mount respiratory protective device. Wear protective equipment. Keep unprotected persons 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. 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: 67-56-1 Methanol 530 ppm · PAC-2: 67-56-1 Methanol 2,100 ppm · PAC-3: 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 ignition sources away - Do not smoke. Protect against electrostatic charges.
- Keep respiratory protective device available.
- · Conditions for safe storage, including any incompatibilities
- Storage: Store in accordance with information listed on the product insert.
- 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 Exp	osure controls/personal protection
· Addi	tional information about design of technical systems: No further data; see item 7.
· Cont · Com The recor	rol parameters ponents with limit values that require monitoring at the workplace: following constituent is the only constituent of the product which has a PEL, TLV or other mmended exposure limit. is time, the remaining constituent has no known exposure limits.
67-5	6-1 Methanol
PEL	Long-term value: 260 mg/m³, 200 ppm
REL	Short-term value: 325 mg/m³, 250 ppm Long-term value: 260 mg/m³, 200 ppm Skin
TLV	Short-term value: 250 ppm Long-term value: 200 ppm Skin; BEI
· Ingre	edients with biological limit values:
67-5	6-1 Methanol
	15 mg/L Medium: urine Time: end of shift Parameter: Methanol (background, nonspecific)
Gene Keep Imme Was Store Avoid Brea In ca expo	onal protective equipment: eral protective and hygienic measures: o away from foodstuffs, beverages and feed. ediately remove all soiled and contaminated clothing. h hands before breaks and at the end of work. e protective clothing separately. d contact with the eyes and skin. thing equipment: use of brief exposure or low pollution use respiratory filter device. In case of intensive or longer sure use respiratory protective device that is independent of circulating air. ection of hands:
1117	
Due prepa Sele degra	glove material has to be impermeable and resistant to the product/ the substance/ the preparation. to missing tests no recommendation to the glove material can be given for the product/ the aration/ the chemical mixture. ction of the glove material on consideration of the penetration times, rates of diffusion and the adation
The quali subs	<b>rial of gloves</b> selection of the suitable gloves does not only depend on the material, but also on further marks of ty and varies from manufacturer to manufacturer. As the product is a preparation of several tances, the resistance of the glove material can not be calculated in advance and has therefore to necked prior to the application.

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• Penetration time of glove material The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

· Eye protection:



Tightly sealed goggles

Information on basic physical and chemical properties	
General Information	
Form:	Liquid
Color:	Colorless
Odor:	Alcohol-like
Structural Formula	C9H13N • HCI
Molecular Weight	171.7 g/mol
Odor threshold:	Not determined.
Formulation	A 1 mg/ml solution in methanol
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):	Highly flammable.
Ignition temperature:	455 °C (851 °F)
Decomposition temperature:	Not determined.
Auto igniting:	Product is not selfigniting.
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.

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	(Contd. from	ı page 6)
<ul> <li>Viscosity:</li> <li>Dynamic:</li> <li>Kinematic:</li> </ul>	Not determined. Not determined.	
<ul> <li>Solvent content:</li> <li>Organic solvents:</li> <li>VOC content:</li> </ul>	99.9 % 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: oxidizing agents, reducing agents
- · Hazardous decomposition products: carbon monoxide, carbon dioxide

### **11 Toxicological information**

· Information on toxicological effects

• Acute toxicity:

<ul> <li>LD/LC50 values that</li> </ul>	are relevant for	classification:
-----------------------------------------	------------------	-----------------

ATE (Acute To)	cicity Estimate)
Oral	1 D50

Oral	LD50	5,000 mg/kg	
67-56-1 Methanol			
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/m³ (rat)	
	LC50	61,100 mg/m³/134 m (mouse)	
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)	
		1	(Contd. on page

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1462-73-3 D-Am	phetamine (hydrochl	(Contd. from page 7)		
Oral	TDLO	1,400 µg/kg (rat)		
	Subcutaneous TDLO			
	Intraperitoneal TDLO 1.78 mg/kg (rat)			
on the eye: No in Sensitization: N Additional toxic				
· Carcinogenic ca	· Carcinogenic categories			
· IARC (Internatio	onal Agency for Resea	arch on Cancer)		
None of the ingre	edients is listed.			
· NTP (National T	oxicology Program)			
None of the ingre	edients is listed.			
· OSHA-Ca (Occu	pational Safety & He	alth Administration)		
None of the ingre	edients is listed.			
<u> </u>		,		

# **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.
- Additional ecological information:
- · General notes:
- Water hazard class 2 (Self-assessment): 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.

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• Recommended cleansing agent: Water, if necessary with cleansing agents.

4 Transport information         • UN-Number • DOT, IMDG, IATA       UN1993         • UN proper shipping name • DOT       Flammable liquids, n.o.s. (Methanol) FLAMMABLE LIQUID, N.O.S. (METHANOL)         • IMDG       FLAMMABLE LIQUID, N.O.S. (METHANOL)         • IATA       Flammable liquid, n.o.s. (METHANOL)         • Transport hazard class(es)       •         • DOT       •         • Class       3 Flammable liquids         • Label       3         • ODT, IMDG, IATA       II         • Environmental hazards:       Not applicable.         • Special precautions for user       Warning: Flammable liquids         • Hazard identification number (Kemler code): 33       •         • EMS Number:       •         • EMS Number:       •         • Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code       Not applicable.         • Transport/Additional information:       •         • DOT       •       On cargo aircraft only: 60 L         • IMDG       1L <th>UN-Number DOT, IMDG, IATA UN proper shipping name DOT IMDG IATA Transport hazard class(es) DOT Class Label</th> <th></th>	UN-Number DOT, IMDG, IATA UN proper shipping name DOT IMDG IATA Transport hazard class(es) DOT Class Label	
DOT, IMDG, IATA       UN 1993         UN proper shipping name       Flammable liquids, n.o.s. (Methanol)         DOT       Flammable liquid, n.o.s. (METHANOL)         IATA       Flammable liquid, n.o.s. (METHANOL)         Transport hazard class(es)       DOT         DOT       Image: State	DOT, IMDG, IATA UN proper shipping name DOT IMDG IATA Transport hazard class(es) DOT Class Label	
DOT, IMDG, IATA       UN 1993         UN proper shipping name       Flammable liquids, n.o.s. (Methanol)         DOT       Flammable liquids, n.o.s. (METHANOL)         IATA       Flammable liquid, n.o.s. (METHANOL)         'Transport hazard class(es)       DOT         DOT	DOT, IMDG, IATA UN proper shipping name DOT IMDG IATA Transport hazard class(es) DOT Class Label	
UN proper shipping name       Flammable liquids, n.o.s. (Methanol)         IMDG       FLAMMABLE LIQUID, N.O.S. (METHANOL)         IATA       Flammable liquid, n.o.s. (METHANOL)         • Transport hazard class(es)       DOT         • DOT       • Class         • Class       3 Flammable liquids         • Label       3         • IMDG, IATA       3         • MDG, IATA       3         • Class       3 Flammable liquids         • Label       3         • Class       3 Flammable liquids         • Label       3         • Packing group       1         • DOT, IMDG, IATA       II         • Environmental hazards:       Not applicable.         • Special precautions for user       Hazard identification number (Kemler code):         • Hazard identification number (Kemler code):       33         • EMS Number:       F-E,S-E         • Stowage Category       B         • Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code       Not applicable.         • Transport/Additional information:       On cargo aircraft only: 60 L         • IMDG       1L       Code: E2         • IMDG       1L       Excepted quantities (LQ)	UN proper shipping name DOT IMDG IATA Transport hazard class(es) DOT Class Label	UN1993
DOT       Flammable liquids, n.o.s. (Methanol)         IMDG       FLAMMABLE LIQUID, N.O.S. (METHANOL)         IATA       Flammable liquid, n.o.s. (METHANOL)         Transport hazard class(es)       DOT         Import description       S Flammable liquids         Class       3 Flammable liquids         Label       3         IMDG, IATA       S Flammable liquids         Class       3 Flammable liquids         Label       3         Packing group       DOT, IMDG, IATA         DOT, IMDG, IATA       II         Environmental hazards:       Not applicable.         Special precautions for user       Warning: Flammable liquids         Hazard identification number (Kemler code): 33       S         EMS Number:       F-E_S-E         Stowage Category       B         Transport /Additional information:       On passenger aircraft/rail: 5 L         On cargo aircraft only: 60 L       On cargo aircraft only: 60 L         IMDG       IL       C	DOT IMDG IATA Transport hazard class(es) DOT Class Label	
IMDG       FLAMMABLE LIQUID, N.O.S. (METHANOL)         IATA       Flammable liquid, n.o.s. (METHANOL)         Transport hazard class(es)       DOT         Image: Dot Image: Dot Image: Dot Image: Dot Image: Dot Image: Dot Image: Dot Image: Dot Image: Dot Image: Dot Image: Dot Image: Dot Image: Dot Image: Dot Image: Dot Image: Dot Image: Dot Image: Dot Image: Dot Image: Dot Image: Dot Image: Dot Image: Dot Image: Dot Image: Dot Image: Dot Image: Dot Image: Dot Image: Dot Image: Dot Image: Dot Image: Dot Image: Dot Image: Dot Image: Dot Image: Dot Image: Dot Image: Dot Image: Dot Image: Dot Image: Dot Image: Dot Image: Dot Image: Dot Image: Dot Image: Dot Image: Dot Image: Dot Image: Dot Image: Dot Image: Dot Image: Dot Image: Dot Image: Dot Image: Dot Image: Dot Image: Dot Image: Dot Image: Dot Image: Dot Image: Dot Image: Dot Image: Dot Image: Dot Image: Dot Image: Dot Image: Dot Image: Dot Image: Dot Image: Dot Image: Dot Image: Dot Image: Dot Image: Dot Image: Dot Image: Dot Image: Dot Image: Dot Image: Dot Image: Dot Image: Dot Image: Dot Image: Dot Image: Dot Image: Dot Image: Dot Image: Dot Image: Dot Image: Dot Image: Dot Image: Dot Image: Dot Image: Dot Image: Dot Image: Dot Image: Dot Image: Dot Image: Dot Image: Dot Image: Dot Image: Dot Image: Dot Image: Dot Image: Dot Image: Dot Image: Dot Image: Dot Image: Dot Image: Dot Image: Dot Image: Dot Image: Dot Image: Dot Image: Dot Image: Dot Image: Dot Image: Dot Image: Dot Image: Dot Image: Dot Image: Dot Image: Dot Image: Dot Image: Dot Image: Dot Image: Dot Image: Dot Image: Dot Image: Dot Image: Dot Image: Dot Image: Dot Image: Dot Image: Dot Image: Dot Image: Dot Image: Dot Image: Dot Image: Dot Image: Dot Image: Dot Image: Dot Image: Dot Image: Dot Image: Dot Image: Dot Image: Dot Image: Dot Image: Dot Image: Dot Image: Dot Image: Dot Image: Dot Image: Dot Image: Dot Image: Dot Image: Dot Image: Dot Image: Dot Image:	IMDG IATA Transport hazard class(es) DOT Class Label	Flammable liquids n.o.s. (Methanol)
IATA       Flammable liquid, n.o.s. (METHANOL)         Transport hazard class(es)       DOT         Impose the second	IATA Transport hazard class(es) DOT Class Label	
Transport hazard class(es)         DOT         Impose the second s	Transport hazard class(es) DOT Class Label	
<ul> <li>DOT</li> <li>Class</li> <li>Label</li> <li>IMDG, IATA</li> <li>Class</li> <li>IATA</li> <li>Class</li> <li>IATA</li> <li>Class</li> <li>J Flammable liquids</li> <li>IATA</li> <li>Class</li> <li>J Flammable liquids</li> <li>Special precautions for user</li> <li>Special precautions for user</li> <li>Hazard identification number (Kemler code): 33</li> <li>EMS Number:</li> <li>Stowage Category</li> <li>Transport in bulk according to Annex II of MARPOL73778 and the IBC Code</li> <li>Transport in bulk according to Annex II of MARPOL73778 and the IBC Code</li> <li>Transport/Additional information:</li> <li>DOT</li> <li>Quantity limitations</li> <li>On passenger aircraft/rail: 5 L On cargo aircraft only: 60 L</li> <li>IMDG</li> <li>Limited quantities (LQ)</li> <li>IL</li> <li>Excepted quantities (LQ)</li> <li>Code: E2 Maximum net quantity per inner packaging: 30 ml</li> </ul>	DOT	
Class Label 3 Flammable liquids Label 3 IMDG, IATA Cooling Class	Class Label	
Label       3         IMDG, IATA       IMDG, IATA         IMDG, IATA       3         Class       3 Flammable liquids         Label       3         Packing group       3         DOT, IMDG, IATA       II         Environmental hazards:       Not applicable.         Special precautions for user       Warning: Flammable liquids         Hazard identification number (Kemler code): 33       F-E,S-E         Stowage Category       B         Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code       Not applicable.         Transport/Additional information:       DOT         OU       On passenger aircraft/rail: 5 L On cargo aircraft only: 60 L         IMDG       IL         Code: E2       Maximum net quantities (EQ)	Label	
Label       3         IMDG, IATA       IMDG, IATA         IMDG, IATA       3         Class       3 Flammable liquids         Label       3         Packing group       3         DOT, IMDG, IATA       II         Environmental hazards:       Not applicable.         Special precautions for user       Warning: Flammable liquids         Hazard identification number (Kemler code): 33       F-E,S-E         Stowage Category       B         Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code       Not applicable.         Transport/Additional information:       DOT         OU       On passenger aircraft/rail: 5 L On cargo aircraft only: 60 L         IMDG       IL         Code: E2       Maximum net quantities (EQ)	Label	
Label       3         IMDG, IATA       IMDG, IATA         IMDG, IATA       3         Class       3 Flammable liquids         Label       3         Packing group       3         DOT, IMDG, IATA       II         Environmental hazards:       Not applicable.         Special precautions for user       Warning: Flammable liquids         Hazard identification number (Kemler code):       33         EMS Number:       F-E,S-E         Stowage Category       B         Transport in bulk according to Annex II 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       IL         Code: E2       Maximum net quantities (EQ)	Label	
Label       3         IMDG, IATA       IMDG, IATA         IMDG, IATA       3         Class       3 Flammable liquids         Label       3         Packing group       3         DOT, IMDG, IATA       II         Environmental hazards:       Not applicable.         Special precautions for user       Warning: Flammable liquids         Hazard identification number (Kemler code):       33         EMS Number:       F-E,S-E         Stowage Category       B         Transport in bulk according to Annex II 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       IL         Code: E2       Maximum net quantities (EQ)	Label	
Label       3         IMDG, IATA       IMDG, IATA         IMDG, IATA       3         Class       3 Flammable liquids         Label       3         Packing group       3         DOT, IMDG, IATA       II         Environmental hazards:       Not applicable.         Special precautions for user       Warning: Flammable liquids         Hazard identification number (Kemler code):       33         EMS Number:       F-E,S-E         Stowage Category       B         Transport in bulk according to Annex II 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       IL         Code: E2       Maximum net quantities (EQ)	Label	3 Flammable liquids
• Class       3 Flammable liquids         • Label       3         • Packing group       1         • DoT, IMDG, IATA       II         • Environmental hazards:       Not applicable.         • Special precautions for user       Warning: Flammable liquids         • Hazard identification number (Kemler code):       33         • EMS Number:       F-E,S-E         • Stowage Category       B         • Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code       Not applicable.         • Transport/Additional information:       DOT         • DOT       Quantity limitations       On passenger aircraft/rail: 5 L On cargo aircraft only: 60 L         • IMDG       1L       Code: E2 Maximum net quantity per inner packaging: 30 ml	IMDG, IATA	•
• Class       3 Flammable liquids         • Label       3         • Packing group       II         • DOT, IMDG, IATA       II         • Environmental hazards:       Not applicable.         • Special precautions for user       Warning: Flammable liquids         • Hazard identification number (Kemler code):       33         • EMS Number:       F-E,S-E         • Stowage Category       B         • Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code       Not applicable.         • Transport/Additional information:       DOT         • DOT       On passenger aircraft/rail: 5 L On cargo aircraft only: 60 L         • IMDG       IL         • Limited quantities (LQ)       1L         • Excepted quantities (EQ)       1L		
· Label       3         · Packing group DOT, IMDG, IATA       II         · Environmental hazards:       Not applicable.         · Special precautions for user       Warning: Flammable liquids         · Hazard identification number (Kemler code): 33       ·         · EMS Number:       F-E,S-E         · Stowage Category       B         · Transport in bulk according to Annex II 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)       1L       .         · Excepted quantities (EQ)       1L       .		
· Label       3         · Packing group       II         · DOT, IMDG, IATA       II         · Environmental hazards:       Not applicable.         · Special precautions for user       Warning: Flammable liquids         · Hazard identification number (Kemler code): 33       ·         · EMS Number:       F-E,S-E         · Stowage Category       B         · Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code       Not applicable.         · Transport/Additional information:       DOT         · DOT       Quantity limitations       On passenger aircraft/rail: 5 L On cargo aircraft only: 60 L         · IMDG       IL       Code: E2         · Limited quantities (EQ)       1L       Code: E2         · Maximum net quantity per inner packaging: 30 ml       00 ml		
· Label       3         · Packing group       II         · DOT, IMDG, IATA       II         · Environmental hazards:       Not applicable.         · Special precautions for user       Warning: Flammable liquids         · Hazard identification number (Kemler code): 33       ·         · EMS Number:       F-E,S-E         · Stowage Category       B         · Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code       Not applicable.         · Transport/Additional information:       DOT         · DOT       Quantity limitations       On passenger aircraft/rail: 5 L On cargo aircraft only: 60 L         · IMDG       IL       Code: E2         · Limited quantities (EQ)       1L       Code: E2         · Maximum net quantity per inner packaging: 30 ml       00 ml	3	
· Label       3         · Packing group       II         · DOT, IMDG, IATA       II         · Environmental hazards:       Not applicable.         · Special precautions for user       Warning: Flammable liquids         · Hazard identification number (Kemler code): 33       ·         · EMS Number:       F-E,S-E         · Stowage Category       B         · Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code       Not applicable.         · Transport/Additional information:       DOT         · DOT       Quantity limitations       On passenger aircraft/rail: 5 L On cargo aircraft only: 60 L         · IMDG       IL       Code: E2         · Limited quantities (EQ)       1L       Code: E2         · Maximum net quantity per inner packaging: 30 ml       00 ml		
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DOT, IMDG, IATA       II         Environmental hazards:       Not applicable.         Special precautions for user       Warning: Flammable liquids         Hazard identification number (Kemler code): 33       33         EMS Number:       F-E,S-E         Stowage Category       B         Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code       Not applicable.         Transport/Additional information:       On passenger aircraft/rail: 5 L On cargo aircraft only: 60 L         IMDG       1L         Limited quantities (LQ)       1L         Excepted quantities (EQ)       1L		•
DOT, IMDG, IATA       II         Environmental hazards:       Not applicable.         Special precautions for user       Warning: Flammable liquids         Hazard identification number (Kemler code): 33       33         EMS Number:       F-E,S-E         Stowage Category       B         Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code       Not applicable.         Transport/Additional information:       On passenger aircraft/rail: 5 L On cargo aircraft only: 60 L         IMDG       1L         Limited quantities (LQ)       1L         Excepted quantities (EQ)       1L	Packing group	
Environmental hazards:       Not applicable.         Special precautions for user       Warning: Flammable liquids         Hazard identification number (Kemler code): 33       33         EMS Number:       F-E,S-E         Stowage Category       B         Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code       Not applicable.         Transport/Additional information:       Not applicable.         DOT       On passenger aircraft/rail: 5 L On cargo aircraft only: 60 L         IMDG       1L         Limited quantities (LQ)       1L         Excepted quantities (EQ)       1L		11
Special precautions for user       Warning: Flammable liquids         Hazard identification number (Kemler code): 33       33         EMS Number:       F-E,S-E         Stowage Category       B         Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code       Not applicable.         Transport/Additional information:       Not applicable.         DOT       Quantity limitations         Quantity limitations       On passenger aircraft/rail: 5 L On cargo aircraft only: 60 L         IMDG       1L         Excepted quantities (LQ)       1L         Excepted quantities (EQ)       Code: E2         Maximum net quantity per inner packaging: 30 ml		
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EMS Number:       F-E,S-E         Stowage Category       B         Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code       Not applicable.         Transport/Additional information:       Not applicable.         DOT       On passenger aircraft/rail: 5 L On cargo aircraft only: 60 L         IMDG       1L         Excepted quantities (LQ)       1L         Code: E2       Maximum net quantity per inner packaging: 30 ml		
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On cargo aircraft only: 60 L     IMDG     Limited quantities (LQ)     Excepted quantities (EQ)     Code: E2     Maximum net quantity per inner packaging: 30 ml	DOT	
On cargo aircraft only: 60 L     IMDG     Limited quantities (LQ)     Excepted quantities (EQ)     Code: E2     Maximum net quantity per inner packaging: 30 ml	Quantity limitations	On passenger aircraft/rail: 5 L
Limited quantities (LQ)     Excepted quantities (EQ)     Maximum net quantity per inner packaging: 30 ml	-	
Limited quantities (LQ)     Excepted quantities (EQ)     Maximum net quantity per inner packaging: 30 ml	IMDG	
Excepted quantities (EQ) Code: E2 Maximum net quantity per inner packaging: 30 ml		
		On cargo aircraft only: 60 L
		On cargo aircraft only: 60 L 1L Code: E2
Maximum net quantity per outer packaging: 500 ml		On cargo aircraft only: 60 L 1L Code: E2 Maximum net quantity per inner packaging: 30 ml
	ΙΑΤΑ	On cargo aircraft only: 60 L 1L Code: E2
	Remarks:	On cargo aircraft only: 60 L 1L Code: E2 Maximum net quantity per inner packaging: 30 ml
or 1 g, with an Excepted Quantity Code of		On cargo aircraft only: 60 L 1L Code: E2 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml When sold in quantities of less than or equal to 1 mL
(Contd. on page 1		On cargo aircraft only: 60 L 1L Code: E2 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml When sold in quantities of less than or equal to 1 mL

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ACTIVE

# Safety Data Sheet acc. to OSHA HCS

Printing date 11/01/2022

Revision date 11/01/2022

#### Trade name: D-Amphetamine (hydrochloride) (exempt preparation)

	(Contd. from page 9)
	E1, E2, E4, or E5, this item meets the De Minimis Quantities exemption, per IATA 2.6.10. Therefore packaging does not have to be labeled as Dangerous Goods/Excepted Quantity.
· UN "Model Regulation":	UN 1993 FLAMMABLE LIQUID, N.O.S. (METHANOL), 3, II

### 15 Regulatory information

• Safety, health and environmental regulations/legislation specific for the substance or mixture No further relevant information available.

· Sara

None of the ingredients is listed.

• Section 313 (Specific toxic chemical listings):

67-56-1 Methanol

• TSCA (Toxic Substances Control Act):

67-56-1 Methanol

· Hazardous Air Pollutants

67-56-1 Methanol

Proposition 65

· Chemicals known to cause cancer:

None of the ingredients is listed.

· 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)

None of the ingredients is listed.

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

None of the ingredients is listed.

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

### **16 Other information**

All chemicals may pose unknown hazards and should be used with caution. This SDS applies only to the material as packaged. If this product is combined with other materials, deteriorates, or becomes contaminated, it may pose hazards not mentioned in this SDS. Cayman Chemical Company assumes no responsibility for incidental or consequential damages, including lost profits, arising from the use of these data. It shall be the user's responsibility to develop proper methods of handling and personal protection based on the actual conditions of use. While this SDS is based on technical data judged to

(Contd. on page 11)

US -

Printing date 11/01/2022

Revision date 11/01/2022

## Trade name: D-Amphetamine (hydrochloride) (exempt preparation)

(Contd. from be reliable, Cayman Chemical Company assumes no responsibility for the completeness or acc the information contained herein.	
Department issuing SDS: Environment protection department.	
Contact: -	
Date of preparation / last revision 11/01/2022	
Abbreviations and acronyms:	
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	
Acute Toxicity - Oral 3: Acute toxicity - Category 3	
Specific Target Organ Toxicity - Single Exposure 1: Specific target organ toxicity (single exposure) – Category 1	