

Safety Data Sheet ACIDB/AL-US - UP0837 according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations Date of issue: 08/14/2015 Version: 1.0

SECTION 1: Identification of the substance/mixture and of the company/undertaking

Product identifier 1.1.

Product form : Mixture Product name : ACIDB/AL-US - UP0837 Product group Aerosol

1.2. Relevant identified uses of the substance or mixture and uses advised against

Details of the supplier of the safety data sheet 1.3.

U-POL US Inc 108 Commerce Way Stockertown PA 18083 - USA T 1-800-340-7824 - F 1-800-787-5150 technical.department@u-pol.com - www.u-pol.com

1.4. **Emergency telephone number**

Emergency number

: CHEMTREC - 1-800-424-9300 (UK +44 (0) 1933 230310 (07:30 - 17:00hrs UK time))

SECTION 2: Hazards identification

Classification of the substance or mixture 2.1.

GHS-US classification

Flam. Aerosol 1 H222 Skin Irrit. 2 H315 H318 Eye Dam. 1 STOT SE 3 H336 STOT RE 2 H373 Aquatic Chronic 3 H412

Full text of H-phrases: see section 16

Label elements 2.2.

GHS-US labeling

Hazard pictograms (GHS-US)

Signal word (GHS-US) Hazard statements (GHS-US) Precautionary statements (GHS-US)	 H412 - Harmful to aquatic life with lo P211 - Do not spray on an open flam P251 - Pressurized container: Do no P261 - Avoid breathing fume, spray, P273 - Avoid release to the environm P302+P352 - If on skin: Wash with p 	zziness s through prolonged or repeated exposure ong lasting effects ne or other ignition source ot pierce or burn, even after use vapors nent blenty of water e cautiously with water for several minutes. R pontinue rinsing	emove contact
2.3. Other hazards			
No additional information available			
2.4. Unknown acute toxicity (GHS-US)			
Not applicable			
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SECTION 3: Composition/Information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%	GHS-US classification
ethyl methyl ketone	(CAS No) 78-93-3	5 - 23	Flam. Liq. 2, H225 Eye Irrit. 2A, H319 STOT SE 3, H336
butan-1-ol	(CAS No) 71-36-3	5 - 23	Flam. Liq. 3, H226 Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Eye Dam. 1, H318 STOT SE 3, H335 STOT SE 3, H336
xylene	(CAS No) 1330-20-7	5 - 23	Flam. Liq. 3, H226 Acute Tox. 4 (Dermal), H312 Acute Tox. 4 (Inhalation:dust,mist), H332 Skin Irrit. 2, H315
ethylbenzene	(CAS No) 100-41-4	< 5	Flam. Liq. 2, H225 Acute Tox. 4 (Inhalation), H332 Carc. 2, H351 STOT RE 2, H373 Asp. Tox. 1, H304
toluene	(CAS No) 108-88-3	< 5	Flam. Liq. 2, H225 Skin Irrit. 2, H315 Repr. 2, H361 STOT SE 3, H336 STOT RE 2, H373 Asp. Tox. 1, H304

Full text of H-phrases: see section 16

SECTION 4: First aid measures	
4.1. Description of first aid measures	
First-aid measures general	 Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	: Cough. Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.
First-aid measures after skin contact	: Immediately call a poison center or doctor/physician. Wash with plenty of soap and water. Wash contaminated clothing before reuse. If skin irritation occurs: Get medical advice/attention. Get medical advice/attention.
First-aid measures after eye contact	: Direct contact with the eyes is likely to be irritating. Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a poison center or doctor/physician.
First-aid measures after ingestion	 Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention. Call a POISON CENTER or doctor/physician if you feel unwell.
4.2. Most important symptoms and effects	s, both acute and delayed
Symptoms/injuries	: Causes damage to organs.
Symptoms/injuries after inhalation	 Shortness of breath. Danger of serious damage to health by prolonged exposure through inhalation. Harmful if inhaled. May cause drowsiness or dizziness.
Symptoms/injuries after skin contact	 Repeated exposure to this material can result in absorption through skin causing significant health hazard. Harmful in contact with skin. Causes skin irritation.
Symptoms/injuries after eye contact	: Causes serious eye damage.
Symptoms/injuries after ingestion	: Swallowing a small quantity of this material will result in serious health hazard.
4.3. Indication of any immediate medical a	attention and special treatment needed
No additional information available	

SECTION 5: Firefighting measures	
5.1. Extinguishing media	
6 6	Foam. Dry powder. Carbon dioxide. Water spray. Sand.Do not use a heavy water stream.
5.2. Special hazards arising from the sub	stance or mixture
Fire hazard	: Extremely flammable aerosol.

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ccording to Federal Register / Vol. 77, No. 58 / Mon	
Explosion hazard	: Heat may build pressure, rupturing closed containers, spreading fire and increasing risk of burns and injuries.
5.3. Advice for firefighters	
Firefighting instructions	: Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment. DO NOT fight fire when fire reaches explosives. Evacuate area.
Protection during firefighting	: Do not enter fire area without proper protective equipment, including respiratory protection.
SECTION 6: Accidental release m	easures
6.1. Personal precautions, protective	e equipment and emergency procedures
General measures	: Remove ignition sources. No open flames. No smoking. Isolate from fire, if possible, without unnecessary risk. Use special care to avoid static electric charges.
6.1.1. For non-emergency personnel	
Protective equipment	: Safety glasses. Protective clothing. Gloves.
Emergency procedures	: Evacuate unnecessary personnel.
6.1.2. For emergency responders	
Protective equipment	: Equip cleanup crew with proper protection. Avoid breathing spray, vapors.
Emergency procedures	: Ventilate area.
6.2. Environmental precautions	
Prevent entry to sewers and public waters. N	lotify authorities if liquid enters sewers or public waters. Avoid release to the environment.
6.3. Methods and material for contain	nment and cleaning up
For containment	: Contain released substance, pump into suitable containers. Collect spillage.
Methods for cleaning up	: Store away from other materials.
6.4. Reference to other sections	
See Heading 8. Exposure controls and perso	onal protection. For further information refer to section 13.
SECTION 7: Handling and storage	9
7.1. Precautions for safe handling	
Additional hazards when processed	: Hazardous waste due to potential risk of explosion. Pressurized container: Do not pierce or burn, even after use.
Precautions for safe handling	: Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation

	sindking and when leaving work. I revide goed ventilation in process area to prevent formation
	of vapor. Use only outdoors or in a well-ventilated area. Avoid breathing spray, vapors. Do not
	spray on an open flame or other ignition source.
:	Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling.

7.2. Conditions for safe storage, i	ncluding any incompatibilities
Technical measures	: Proper grounding procedures to avoid static electricity should be followed.
Storage conditions	: Keep only in the original container in a cool, well ventilated place away from : Heat sources, Ignition sources, Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Keep container tightly closed. Do not expose to temperatures exceeding 50 °C/ 122 °F. Keep in fireproof place.
Incompatible products	: Strong bases. Strong acids.
Incompatible materials	: Sources of ignition. Direct sunlight. Heat sources.
Storage temperature	: < 25 ℃
Storage area	: Store in a well-ventilated place.
Special rules on packaging	: Keep only in original container.

7.3. Specific end use(s)

Hygiene measures

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters	
ACIDB/AL-US - UP0837	
ACGIH	Not applicable
OSHA	Not applicable

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ethyl methyl ketone (78-93-3)		
ACGIH	ACGIH TWA (ppm)	200 ppm
ACGIH	ACGIH STEL (ppm)	300 ppm
ACGIH	Remark (ACGIH)	URT irr; CNS & PNS impair
OSHA	OSHA PEL (TWA) (mg/m ³)	590 mg/m³
OSHA	OSHA PEL (TWA) (ppm)	200 ppm
ethylbenzene (100-	-41-4)	
ACGIH	ACGIH TWA (ppm)	20 ppm
ACGIH	Remark (ACGIH)	URT irr; kidney dam (nephropathy)
OSHA	OSHA PEL (TWA) (mg/m ³)	435 mg/m³
OSHA	OSHA PEL (TWA) (ppm)	100 ppm
xylene (1330-20-7)		
ACGIH	ACGIH TWA (ppm)	100 ppm
ACGIH	ACGIH STEL (ppm)	150 ppm
ACGIH	Remark (ACGIH)	URT & eye irr; CNS impair
OSHA	OSHA PEL (TWA) (mg/m ³)	435 mg/m ³
OSHA	OSHA PEL (TWA) (ppm)	100 ppm
butan-1-ol (71-36-3		
ACGIH	ACGIH TWA (ppm)	20 ppm
ACGIH	Remark (ACGIH)	Eye & URT irr
OSHA	OSHA PEL (TWA) (mg/m ³)	300 mg/m ³
OSHA	OSHA PEL (TWA) (ppm)	100 ppm
toluene (108-88-3)		
ACGIH	ACGIH TWA (ppm)	20 ppm
ACGIH	Remark (ACGIH)	Visual impair; female repro;
OSHA	Remark (OSHA)	(2) See Table Z-2.

8.2. Exposure controls

Personal protective equipment

: Avoid all unnecessary exposure. Gloves. Protective clothing. Safety glasses.



Materials for protective clothing Hand protection Eye protection Skin and body protection Respiratory protection

- : Wear protective gloves.
- : Chemical goggles or safety glasses.
- : Wear suitable protective clothing.
- : Where exposure through inhalation may occur from use, respiratory protection equipment is recommended.

Other information

: Do not eat, drink or smoke during use.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties		
Physical state	: Gas	
Appearance	: Aerosol.	
Color	: Black	
Odor	: characteristic	
Odor threshold	: No data available	

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рН	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: No data available
Vapor pressure	: No data available
Relative vapor density at 20 °C	: No data available
Relative density	: No data available
Solubility	: insoluble in water. soluble in most organic solvents.
Log Pow	: No data available
Log Kow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidizing properties	: No data available
Explosion limits	: No data available
9.2. Other information	
VOC content	: 717 g/l
MIR	: 1.55
Gas group	: Liquefied gas

SECTION 10: Stability and reactivity

10.1. Reactivity

No additional information available

10.2. Chemical stability

Extremely flammable aerosol. Contains gas under pressure; may explode if heated. Extreme risk of explosion by shock, friction, fire or other sources of ignition.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures. Heat. Sparks. Open flame. Overheating.

10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

fume. Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity

: Not classified

ethylbenzene (100-41-4)		
ATE US (gases)	4500.000 ppmV/4h	
ATE US (vapors)	11.000 mg/l/4h	
ATE US (dust, mist)	1.500 mg/l/4h	
xylene (1330-20-7)		
ATE US (dermal)	1100.000 mg/kg body weight	
ATE US (dust, mist)	1.500 mg/l/4h	

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butan-1-ol (71-36-3)			
ATE US (oral)	500.000 mg/kg body weight		
Skin corrosion/irritation	: Causes skin irritation.		
Serious eye damage/irritation	Causes serious eye damage.		
Respiratory or skin sensitization	: Not classified		
Germ cell mutagenicity	: Not classified		
	Based on available data, the classification criteria are not met		
Carcinogenicity	: Not classified		
ethylbenzene (100-41-4)			
IARC group	2B - Possibly carcinogenic to humans		
xylene (1330-20-7)			
IARC group	3 - Not classifiable		
toluene (108-88-3)			
IARC group	3 - Not classifiable		
Reproductive toxicity	: Not classified		
	Based on available data, the classification criteria are not met		
Specific target organ toxicity (single exposure)	: May cause drowsiness or dizziness.		
Specific target organ toxicity (repeated exposure)	: May cause damage to organs through prolonged or repeated exposure.		
Aspiration hazard	: Not classified		
Potential Adverse human health effects and symptoms	: Harmful if swallowed. Harmful in contact with skin. Harmful if inhaled. Based on available data, the classification criteria are not met.		
Symptoms/injuries after inhalation	: Shortness of breath. Danger of serious damage to health by prolonged exposure through inhalation. Harmful if inhaled. May cause drowsiness or dizziness.		
Symptoms/injuries after skin contact	: Repeated exposure to this material can result in absorption through skin causing significant health hazard. Harmful in contact with skin. Causes skin irritation.		
Symptoms/injuries after eye contact	: Causes serious eye damage.		
Symptoms/injuries after ingestion	: Swallowing a small quantity of this material will result in serious health hazard.		
SECTION 12: Ecological information			

12.1. Toxicity

Ecology - water

: Harmful to aquatic life with long lasting effects.

12.2.	Persistence and degradability	
ACIDE	B/AL-US - UP0837	
Persis	tence and degradability	May cause long-term adverse effects in the environment.

12.3.	Bioaccumulative potential		
ACIDB	AL-US - UP0837		
Bioacc	umulative potential	Not established.	

12.4.	Mobility in soil
NLS SILL	in the former of the second balance

No additional information available

12.5.	Other adverse effects	
Effect on ozone layer		
Effect on	the global warming	: No known ecological damage caused by this product.
Other info	ormation	: Avoid release to the environment.

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SECTION 13: Disposal consideration	IS		
13.1. Waste treatment methods			
Regional legislation (waste)	: Disposal must be done according to official regulations.		
Waste treatment methods	: Dispose of contents/container in accordance with licensed collector's sorting instructions.		
Waste disposal recommendations	Dispose in a safe manner in accordance with local/national regulations. Dispose of contents/container to Dispose in a safe manner in accordance with local/national regulations. Container under pressure. Do not drill or burn even after use.		
Additional information	: Flammable vapors may accumulate in the container.		
Ecology - waste materials	: Avoid release to the environment.		
SECTION 14: Transport information			
In accordance with DOT			
Transport document description	: UN1950 Aerosols (flammable, (each not exceeding 1 L capacity)), 2.1		
UN-No.(DOT)	: UN1950		
Proper Shipping Name (DOT)	: Aerosols		
	flammable, (each not exceeding 1 L capacity)		
Transport hazard class(es) (DOT)	2.1 - Class 2.1 - Flammable gas 49 CFR 173.115		
Hazard labels (DOT)	: 2.1 - Flammable gas		
DOT Special Provisions (49 CFR 172.102)	: N82 - See 173.306 of this subchapter for classification criteria for flammable aerosols.		
DOT Packaging Exceptions (49 CFR 173.xxx)	: 306		
OOT Packaging Non Bulk (49 CFR 173.xxx)	: None		
DOT Packaging Bulk (49 CFR 173.xxx)	: None		
DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27)	: 75 kg		
DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75)	: 150 kg		
DOT Vessel Stowage Location	: A - The material may be stowed "on deck" or "under deck" on a cargo vessel and on a passenger vessel.		
DOT Vessel Stowage Other	: 25 - Shade from radiant heat,87 - Stow "separated from" Class 1 (explosives) except Division 14,126 - Segregation same as for Class 9, miscellaneous hazardous materials		
Additional information			
Other information	: No supplementary information available.		
ADR Fransport document description	: UN 1950 AEROSOLS, 2.1, (D)		
Class (ADR)	: 2 - Gases		
	: 2 - Gases : 5F		
Classification code (ADR)			
Hazard labels (ADR)	: 2.1 - Flammable gases		
Tunnel restriction code (ADR)	: D		
LQ	: 11		
Excepted quantities (ADR)	: E0		
Transport by sea			
JN-No. (IMDG)	: 1950		
Proper Shipping Name (IMDG)	: AEROSOLS		

Class (IMDG)

: 2 - Gases

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Air transport	
UN-No. (IATA)	: 1950
Proper Shipping Name (IATA)	: Aerosols, flammable
Class (IATA)	: 2

SECTION 15: Regulatory information

15.1. US Federal regulations

Chemical(s) subject to the reporting requirements of Section 313 or Title III of the Superfund Amendments and Reauthorization Act (SARA) of 1986 and 40 CFR Part 372.

(SARA) of 1900 and 40 CFRT at 372.			
phenol, carbolic acid, monohydroxybenzene, phenyla	alcohol CAS No 108-95-2	< 5	
ethylbenzene	CAS No 100-41-4	< 5	
xylene	CAS No 1330-20-7	5 - 23	
butan-1-ol, n-butanol	CAS No 71-36-3	5 - 23	
toluene	CAS No 108-88-3	< 5	
ethyl methyl ketone (78-93-3)			
Listed on the United States TSCA (Toxic Substances Not subject to reporing requirements of the United St			
RQ (Reportable quantity, section 304 of EPA's 50 List of Lists)	000 lb		
ethylbenzene (100-41-4)			
Listed on the United States TSCA (Toxic Substances Subject to reporting requirements of United States S			
RQ (Reportable quantity, section 304 of EPA's List of Lists)	1000 lb		
xylene (1330-20-7)			
Listed on the United States TSCA (Toxic Substances Subject to reporting requirements of United States S			
RQ (Reportable quantity, section 304 of EPA's 10 List of Lists)			
butan-1-ol, n-butanol (71-36-3)			
Listed on the United States TSCA (Toxic Substances Subject to reporting requirements of United States S			
Q (Reportable quantity, section 304 of EPA's 5000 lb st of Lists)			
toluene (108-88-3)			
Listed on the United States TSCA (Toxic Substances Subject to reporting requirements of United States S	, ,		
RQ (Reportable quantity, section 304 of EPA's 10 List of Lists)	000 lb		

15.2. International regulations

CANADA

No additional information available

EU-Regulations No additional information available

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Aerosol 1H222;H229Skin Irrit. 2H315Eye Dam. 1H318STOT SE 3H336Aquatic Chronic 3H412Full text of H-phrases: see section 16

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

15.2.2. National regulations

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ethylbenzene (100-41-4)

Listed on IARC (International Agency for Research on Cancer)

15.3. US State regulations

California Proposition 65 - This product contains, or may contain, trace quantities of a substance(s) known to the state of California to cause cancer, developmental and/or reproductive harm

ethylbenzene (100-41-4)				
U.S California - Proposition 65 - Carcinogens List	U.S California - Proposition 65 - Developmental Toxicity	U.S California - Proposition 65 - Reproductive Toxicity - Female	U.S California - Proposition 65 - Reproductive Toxicity - Male	Non-significant risk level (NSRL)
Yes	No	No	No	54
toluene (108-88-3)				
U.S California - Proposition 65 - Carcinogens List	U.S California - Proposition 65 - Developmental Toxicity	U.S California - Proposition 65 - Reproductive Toxicity - Female	U.S California - Proposition 65 - Reproductive Toxicity - Male	Non-significant risk level (NSRL)
No	Yes	Yes	Yes	7000

SECTION 16: Other information

Other information

: None.

Full text of H-phrases:

Acute toxicity (dermal) Category 4	
Acute toxicity (inhalation) Category 4	
Acute toxicity (inhalation:dust,mist) Category 4	
Acute toxicity (oral) Category 4	
Hazardous to the aquatic environment - Chronic Hazard Category 3	
Aspiration hazard Category 1	
Carcinogenicity Category 2	
Serious eye damage/eye irritation Category 1	
Serious eye damage/eye irritation Category 2A	
Flammable aerosol Category 1	
Flammable liquids Category 2	
Flammable liquids Category 3	
Reproductive toxicity Category 2	
Skin corrosion/irritation Category 2	
Specific target organ toxicity (repeated exposure) Category 2	
Specific target organ toxicity (single exposure) Category 3	
Specific target organ toxicity (single exposure) Category 3	
Extremely flammable aerosol	
Highly flammable liquid and vapor	
Flammable liquid and vapor	
Harmful if swallowed	
May be fatal if swallowed and enters airways	
Harmful in contact with skin	
Causes skin irritation	
Causes serious eye damage	
Causes serious eye irritation	
Harmful if inhaled	
May cause respiratory irritation	
May cause drowsiness or dizziness	
Suspected of causing cancer	
Suspected of damaging fertility or the unborn child	
May cause damage to organs through prolonged or repeated exposure	
Harmful to aquatic life with long lasting effects	

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NFPA health hazard	: 2 - Intense or continued exposure could cause temporary incapacitation or possible residual injury unless prompt medical attention is given.
NFPA fire hazard	: 4 - Will rapidly or completely vaporize at normal pressure and temperature, or is readily dispersed in air and will burn readily.
NFPA reactivity	: 3 - Capable of detonation or explosive reaction, but requires a strong initiating source or must be heated under confinement before initiation, or reacts explosively with water.

SDS US UPOL

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