# SAFETY DATA SHEET

#### 1. Identification

**Product number** 1000011767

**Product identifier** 12 OZ ADVANCED ULTIMATE DETAIL LB 12PK

10-12-2015 **Revision date** 

APPEARANCE MATERIAL CO **Company information** 

58 WESTBROOK IND. PARK WESTBROOK, CT 06498 United States

General Assistance 800-582-8343 Company phone

**Emergency telephone US** 1-866-836-8855 **Emergency telephone outside** 1-952-852-4646

Version # 03

10-10-2015 Supersedes date Recommended use COATING Recommended restrictions None known.

# 2. Hazard(s) identification

Physical hazards Flammable aerosols Category 1 **Health hazards** Skin corrosion/irritation Category 2 Reproductive toxicity (fertility, the unborn Category 2

child)

Specific target organ toxicity, repeated

exposure

Aspiration hazard

**OSHA** defined hazards Not classified.

Label elements



Signal word Danger

**Hazard statement** Extremely flammable aerosol. May be fatal if swallowed and enters airways. Causes skin irritation. Suspected of damaging the unborn child. Suspected of damaging fertility. May cause damage to

organs through prolonged or repeated exposure.

**Precautionary statement** 

Prevention Obtain special instructions before use. Do not handle until all safety precautions have been read

and understood. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Do not spray on an open flame or other ignition source. Pressurized container: Do not pierce or burn, even after use. Do not breathe gas. Wash thoroughly after handling. Wear protective

Category 2

Category 1

gloves/protective clothing/eye protection/face protection.

If swallowed: Immediately call a poison center/doctor. If on skin: Wash with plenty of water. If Response

exposed or concerned: Get medical advice/attention. Do NOT induce vomiting. If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash before reuse.

Store locked up. Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F. Storage

**Disposal** Dispose of contents/container in accordance with local/regional/national/international regulations.

Hazard(s) not otherwise

classified (HNOC)

None known.

Supplemental information None.

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# 3. Composition/information on ingredients

#### **Mixtures**

Chemical name	Common name and synonyms	CAS number	%
Butane		106-97-8	20 - 40
Naphtha, (Petroleum), Hydrotreate Light	d	64742-49-0	20 - 40
Propane		74-98-6	20 - 40
n-Hexane		110-54-3	10 - 20
Acetone		67-64-1	2.5 - 10
Cyclohexane		110-82-7	0.1 - 1
Other components below reportable	e levels		2.5 - 10

<sup>\*</sup>Designates that a specific chemical identity and/or percentage of composition has been withheld as a trade secret.

# 4. First-aid measures

Inhalation Move to fresh air. Call a physician if symptoms develop or persist.

Remove contaminated clothing. Wash with plenty of soap and water. If skin irritation occurs: Get Skin contact

medical advice/attention. Wash contaminated clothing before reuse.

redness and pain. Prolonged exposure may cause chronic effects.

Do not use water jet as an extinguisher, as this will spread the fire.

face shield, gloves, rubber boots, and in enclosed spaces, SCBA.

During fire, gases hazardous to health may be formed.

Eye contact Rinse with water. Get medical attention if irritation develops and persists.

Foam. Powder. Carbon dioxide (CO2).

Ingestion Call a physician or poison control center immediately. Rinse mouth. Do not induce vomiting. If

vomiting occurs, keep head low so that stomach content doesn't get into the lungs.

Most important

symptoms/effects, acute and delaved

Indication of immediate medical attention and special Provide general supportive measures and treat symptomatically. Keep victim under observation.

Aspiration may cause pulmonary edema and pneumonitis. Dizziness. Skin irritation. May cause

Symptoms may be delayed.

treatment needed General information

IF exposed or concerned: Get medical advice/attention. If you feel unwell, seek medical advice (show the label where possible). Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance.

#### 5. Fire-fighting measures

Suitable extinguishing media

Unsuitable extinguishing media

Specific hazards arising from

Special protective equipment

and precautions for firefighters

Fire fighting equipment/instructions

Specific methods

the chemical

Move containers from fire area if you can do so without risk. Containers should be cooled with water to prevent vapor pressure build up. For massive fire in cargo area, use unmanned hose holder or monitor nozzles, if possible. If not, withdraw and let fire burn out.

Use standard firefighting procedures and consider the hazards of other involved materials. Move containers from fire area if you can do so without risk. Use water spray to cool unopened

Contents under pressure. Pressurized container may explode when exposed to heat or flame.

Firefighters must use standard protective equipment including flame retardant coat, helmet with

containers. In the event of fire and/or explosion do not breathe fumes.

Extremely flammable aerosol. General fire hazards

#### 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Wear appropriate protective equipment and clothing during clean-up. Do not breathe gas. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering them. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.

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# Methods and materials for containment and cleaning up

Refer to attached safety data sheets and/or instructions for use. Stop leak if you can do so without risk. Move the cylinder to a safe and open area if the leak is irreparable. Isolate area until gas has dispersed. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Keep combustibles (wood, paper, oil, etc.) away from spilled material. Prevent product from entering drains. Cover with plastic sheet to prevent spreading. Absorb in vermiculite, dry sand or earth and place into containers. Following product recovery, flush area with water.

Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination. For waste disposal, see section 13 of the SDS.

# **Environmental precautions**

Avoid release to the environment. Inform appropriate managerial or supervisory personnel of all environmental releases. Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground.

# 7. Handling and storage

#### Precautions for safe handling

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Pressurized container: Do not pierce or burn, even after use. Do not use if spray button is missing or defective. Do not spray on a naked flame or any other incandescent material. Do not smoke while using or until sprayed surface is thoroughly dry. Do not cut, weld, solder, drill, grind, or expose containers to heat, flame, sparks, or other sources of ignition. All equipment used when handling the product must be grounded. Do not re-use empty containers. Do not breathe gas. Avoid contact with eyes, skin, and clothing. Pregnant or breastfeeding women must not handle this product. Should be handled in closed systems, if possible. Use only in well-ventilated areas. Wear appropriate personal protective equipment. Wash hands thoroughly after handling. Avoid release to the environment. Observe good industrial hygiene practices.

# Conditions for safe storage, including any incompatibilities

Level 3 Aerosol.

US. OSHA Table 7-1 Limits for Air Contaminants (29 CFR 1910.1000)

Store locked up. Pressurized container. Protect from sunlight and do not expose to temperatures exceeding 50°C/122 °F. Do not puncture, incinerate or crush. Do not handle or store near an open flame, heat or other sources of ignition. This material can accumulate static charge which may cause spark and become an ignition source. Store away from incompatible materials (see Section 10 of the SDS).

## 8. Exposure controls/personal protection

#### Occupational exposure limits

Components	Type	Value	
Acetone (CAS 67-64-1)	PEL	2400 mg/m3	
		1000 ppm	
Cyclohexane (CAS 110-82-7)	PEL	1050 mg/m3	
		300 ppm	
n-Hexane (CAS 110-54-3)	PEL	1800 mg/m3	
		500 ppm	
Propane (CAS 74-98-6)	PEL	1800 mg/m3	
		1000 ppm	
<b>US. ACGIH Threshold Limit Value</b>	es		
Components	Туре	Value	
Acetone (CAS 67-64-1)	STEL	500 ppm	
	TWA	250 ppm	
Butane (CAS 106-97-8)	STEL	1000 ppm	
Cyclohexane (CAS 110-82-7)	TWA	100 ppm	
n-Hexane (CAS 110-54-3)	TWA	50 ppm	
US. NIOSH: Pocket Guide to Cher	mical Hazards		
Components	Туре	Value	
Acetone (CAS 67-64-1)	TWA	590 mg/m3	
		250 ppm	
Butane (CAS 106-97-8)	TWA	1900 mg/m3	
·		800 ppm	
Cyclohexane (CAS 110-82-7)	TWA	1050 mg/m3	
•		300 ppm	

# US. NIOSH: Pocket Guide to Chemical Hazards Value Components Type Value n-Hexane (CAS 110-54-3) TWA 180 mg/m3 50 ppm 50 ppm Propane (CAS 74-98-6) TWA 1800 mg/m3

#### **Biological limit values**

ACGIH Biological Exposure Indices	<b>ACGIH</b>	Biological	Exposure	Indices
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Components	Value	Determinant	Specimen	Sampling Time
Acetone (CAS 67-64-1)	25 mg/l	Acetone	Urine	*
n-Hexane (CAS 110-54-3)	0.4 mg/l	2,5-Hexanedio n, without hydrolysis	Urine	*

<sup>\* -</sup> For sampling details, please see the source document.

#### **Exposure guidelines**

US - California OELs: Skin designation

n-Hexane (CAS 110-54-3) Can be absorbed through the skin.

US ACGIH Threshold Limit Values: Skin designation

n-Hexane (CAS 110-54-3) Can be absorbed through the skin.

Appropriate engineering

controls

Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Eye wash facilities and emergency shower must be available when handling this product.

1000 ppm

#### Individual protection measures, such as personal protective equipment

**Eye/face protection** Wear safety glasses with side shields (or goggles).

Skin protection

**Hand protection** Wear appropriate chemical resistant gloves. Suitable gloves can be recommended by the glove

supplier.

Other Wear appropriate chemical resistant clothing. Use of an impervious apron is recommended.

Respiratory protection If permissible levels are exceeded use NIOSH mechanical filter / organic vapor cartridge or an

air-supplied respirator.

**Thermal hazards** Wear appropriate thermal protective clothing, when necessary.

General hygiene considerations

Observe any medical surveillance requirements. When using do not smoke. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

# 9. Physical and chemical properties

#### **Appearance**

Physical state Gas.
Form Aerosol.
Color Not available.
Odor Not available.
Odor threshold Not available.
PH Not available.
Melting point/freezing point Not available.

Initial boiling point and boiling

132.89 °F (56.05 °C) estimated

range

Flash point -156.0 °F (-104.4 °C) PROPELLANT estimated

Evaporation rate Not available.

Flammability (solid, gas) Not available.

Upper/lower flammability or explosive limits

Flammability limit - lower 2.3 % estimated

(%)

Flammability limit - upper 11.2 % estimated

(%)

Explosive limit - lower (%) Not available.

Explosive limit - upper (%) Not available.

Vapor pressure 35 - 45 psig @20C estimated

Vapor densityNot available.Relative densityNot available.

Solubility(ies)

Solubility (water)

Partition coefficient

Not available.

Not available.

(n-octanol/water)

Auto-ignition temperatureNot available.Decomposition temperatureNot available.ViscosityNot available.

Other information

**Explosive properties** Not explosive. **Oxidizing properties** Not oxidizing.

# 10. Stability and reactivity

**Reactivity**The product is stable and non-reactive under normal conditions of use, storage and transport.

Chemical stability

Material is stable under normal conditions.

Possibility of hazardous

Hazardous polymerization does not occur.

reactions

**Conditions to avoid**Avoid temperatures exceeding the flash point. Contact with incompatible materials.

**Incompatible materials** Acids. Strong oxidizing agents. Nitrates. Fluorine. Chlorine.

**Hazardous decomposition** 

products

No hazardous decomposition products are known.

# 11. Toxicological information

#### Information on likely routes of exposure

**Inhalation** May cause damage to organs through prolonged or repeated exposure by inhalation.

**Skin contact** Causes skin irritation.

**Eye contact** Direct contact with eyes may cause temporary irritation.

**Ingestion** Droplets of the product aspirated into the lungs through ingestion or vomiting may cause a serious

chemical pneumonia.

Symptoms related to the physical, chemical and toxicological characteristics

Aspiration may cause pulmonary edema and pneumonitis. Dizziness. Skin irritation. May cause

redness and pain.

#### Information on toxicological effects

**Acute toxicity** May be fatal if swallowed and enters airways.

Components	Species	Test Results	
Acetone (CAS 67-64-1)			
<u>Acute</u>			
Dermal			
LD50	Guinea pig	> 7426 mg/kg, 24 Hours	
		> 9.4 ml/kg, 24 Hours	
	Rabbit	> 7426 mg/kg, 24 Hours	
		> 9.4 ml/kg, 24 Hours	
Inhalation			
LC50	Rat	55700 ppm, 3 Hours	
		132 mg/l, 3 Hours	
		50.1 mg/l	

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Drai	Components	Species	Test Results
Butane (CAS 106-97-8)   Sutane (CAS 110-82-7)   Suta			
Butane (CAS 106-97-8)  Acute	LD50	Rat	5800 mg/kg
Acute   Inhalation			2.2 ml/kg
Inhalation	Butane (CAS 106-97-8)		
LC50			
Rat			
Cyclohexane (CAS 110-82-7)  Acute Dermal  LD50 Rabbit > 2000 mg/kg Inhalation  LC50 Rat	LC50	Mouse	-
Cyclohexane (CAS 110-82-7)           Acute Dormal         Carriant C			
Acute           Dormal         2000 mg/kg           Inhation         > 32880 mg/m3, 4 Hours           LC50         Rat         > 5540 ppm, 4 Hours           Oral           LD50         Rabbit         > 5000 mg/kg           LD50         Rabbit         > 5000 mg/kg           Naphtha, (Petroleum), Hydrotreated Light (CAS 64742-49-0)           Acute           Dormal           LD50         Sulinea pig; Rabbit         > 9.4 ml/kg, 24 Hours           Inhation         > 1900 mg/kg, 24 Hours           LC50         Rat         > 5000 mg/m3, 4 Hours           4 980 mg/m3         > 4980 mg/m3, 4 Hours           LD50         Rat         > 4.96 mg/l, 4 Hours           LD50         Rat         4820 mg/kg           n-Hexane (CAS 110-54-3)           Acute           Dermal         2 000 mg/kg, 4 Hours           LD50         Rabbit         > 2000 mg/kg, 4 Hours           LD50         Rabit         > 5000 pg/kg, 4 Hours           hat			1355 mg/l
Dermal   LD50   Rabbit   Paper   Pap		7)	
LD50   Rabbit   > 2000 mg/kg			
Inhalation		B.11."	0000
LC50       Rat       > 32880 mg/m3, 4 Hours         Orat       Command       Section pm, 4 Hours         LD50       Rabbit       > 5000 mg/kg         Naphtha. (Petroleum), Hydrotreated Light (CAS 64742-49-0)       Rat       > 5000 mg/kg         Acute       Dermal       Section pm, 4 Hours         LD50       Guinea pig; Rabbit       9.9 4 ml/kg, 24 Hours         Inhalation       Poon mg/kg, 24 Hours       1900 mg/kg, 24 Hours         LC50       Rat       > 5000 mg/m3, 4 Hours       4980 mg/m3         4 4980 mg/m3, 4 Hours       2 4980 mg/m3, 4 Hours       4980 mg/m3, 4 Hours         LD50       Rat       4820 mg/kg         n-Hexane (CAS 110-54-3)       4820 mg/kg         Acute       Pormal       2000 mg/kg, 4 Hours         LD50       Rabbit       2000 mg/kg, 4 Hours         bermal       5 ml/kg, 4 Hours         LD50       Rabbit       2000 mg/kg, 4 Hours         5 ml/kg, 4 Hours       5 ml/kg, 4 Hours         1 mhalation       2 ml/kg, 24 ml/kg         LC50       Rat       3 1.86 mg/l         1 mhalation       2 ml/kg       2 ml/kg         LC50       Rat       2 ml/kg       2 ml/kg         1 mhalation       2 ml/kg       <		Rabbit	> 2000 mg/kg
Oral           Oral         Abbit         > 5000 mg/kg           LD50         Rabbit         > 5000 mg/kg           Rat         > 5000 mg/kg           Naphtha. (Petroleum), Hydrotreated Light (CAS 64742-49-0)           Acute           Dermal         LD50         Guinea pig; Rabbit         > 9.4 ml/kg, 24 Hours           LD50         Rabbit         > 1900 mg/kg, 24 Hours           LC50         Rat         > 5000 mg/m3, 4 Hours           LC50         Rat         4980 mg/m3, 4 Hours           LD50         Rat         4820 mg/m3, 4 Hours           N-Hexane (CAS 110-54-3)         13700 ppm, 4 Hours           T-Hexane (CAS 110-54-3)         2000 mg/kg, 4 Hours           LD50         Rabbit         2 2000 mg/kg, 4 Hours           LD50         Rabbit         2 2000 mg/kg, 4 Hours           LD50         Rabbit         2 5 ml/kg, 4 Hours           LC50         Rat         2 5 ml/kg, 4 Hours           LC50         Rat         3 1.86 mg/l           LC50         Rat         3 1.86 mg/l           LC50         Rat         4 1.80 mg/l           LC50         Rat         2 4 ml/kg           LC50         Rat         3			
Oral         LD50         Rabbit         > 5000 mg/kg           LD50         Rabbit         > 5000 mg/kg           Rat         > 5000 mg/kg           Naphtha, (Petroleum), Hydrotreated Light (CAS 64742-49-0)           Acute         Permal           LD50         Guinea pig; Rabbit         > 9.4 ml/kg, 24 Hours           Inhalation         Rat         > 5000 mg/m3, 24 Hours           LC50         Rat         > 4980 mg/m3, 4 Hours           4 980 mg/m3, 4 Hours         > 4980 mg/m3, 4 Hours           LD50         Rat         4820 mg/kg           n-Hexane (CAS 110-54-3)         4820 mg/kg           Acute         Dermal         2 5000 mg/kg, 4 Hours           LD50         Rabbit         > 2000 mg/kg, 4 Hours           bermal         2 5 ml/kg, 4 Hours           LD50         Rat         > 5000 ppm, 24 Hours           5 5 ml/kg, 4 Hours         3 1.86 mg/l           1 C50         Rat         > 5000 ppm, 24 Hours           1 C50         Rat         2 4 ml/kg           1 C50         Rat         2 4 ml/kg           1 C50         Rat         2 4 ml/kg           2 4 ml/kg         2 4 ml/kg           2 4 ml/kg         2 4 ml/kg	LC50	Kat	_
LD50   Rabbit   Sat   So00 mg/kg   So00 mg/kg   Rat   So000 mg/kg   So00 mg/kg   Rabhtha, (Petroleum), Hydrotreated Light (CAS 64742-49-0)   Rabuta   LD50   Guinea pig; Rabbit   Sound mg/kg, 24 Hours   Sound mg/m3, 4 Hours   Sound mg/kg, 4 Hours   Sound mg/kg   Sound			> 5540 ppm, 4 Hours
Rat			
Naphtha, (Petroleum), Hydrotreated Light (CAS 64742-49-0)    Acute   Dermal     LD50	LD50		
Acute         Dermal           LD50         Guinea pig; Rabbit         > 9.4 ml/kg, 24 Hours           Inhalation         ***           LC50         Rat         > 5000 mg/m3, 4 Hours           4980 mg/m3         > 4980 mg/m3, 4 Hours           4980 mg/m3, 4 Hours         > 4980 mg/m3, 4 Hours           13700 ppm, 4 Hours         13700 ppm, 4 Hours           LD50         Rat         4820 mg/kg           n-Hexane (CAS 110-54-3)         **         **           Acute         **         **           Dermal         **         **           LD50         Rabbit         **         **           LD50         Rabbit         **         **           LD50         Rabbit         **         **           LD50         Rabbit         **         **           LD50         Rat         **         **           Inhalation         **         **         **           LC50         Rat         **         **           **         **         **         **           **         **         **         **           **         **         **         **           **         <			> 5000 mg/kg
Dermal	Naphtha, (Petroleum), Hydro	otreated Light (CAS 64742-49-0)	
LD50       Guinea pig; Rabbit       > 9.4 ml/kg, 24 Hours         Inhalation       Fabrity (2000)         LC50       Rat       > 5000 mg/m3, 4 Hours         > 4980 mg/m3       > 4980 mg/m3, 4 Hours         > 4980 mg/m3, 4 Hours       > 4980 mg/m3, 4 Hours         LD50       Rat       4820 mg/kg         n-Hexane (CAS 110-54-3)       Rat       4820 mg/kg         Acute       Pormal       Pormal         LD50       Rabbit       > 2000 mg/kg, 4 Hours         Inhalation       Power of the power o	· · · · · · · · · · · · · · · · · · ·		
Rabbit   S   1900 mg/kg, 24 Hours			
Inhalation	LD50		
LC50		Rabbit	> 1900 mg/kg, 24 Hours
A 4980 mg/m3   A 4820 mg/m3   A 48			
Second	LC50	Rat	
Section   Sect			> 4980 mg/m3
Dod   CAS   110-54-3)			> 4980 mg/m3, 4 Hours
Oral       LD50       Rat       4820 mg/kg         n-Hexane (CAS 110-54-3)       4820 mg/kg         Acute       5 mg/kg       4 Hours         Dermal       2000 mg/kg, 4 Hours       5 ml/kg, 4 Hours         Inhalation       5 ml/kg, 4 Hours       31.86 mg/l       73860 ppm, 4 Hours         Oral       LD50       Rat       24 ml/kg       24 g/kg			> 4.96 mg/l, 4 Hours
LD50       Rat       4820 mg/kg         n-Hexane (CAS 110-54-3)       Acute       Femal         Dermal       Pabbit       Pabbi			13700 ppm, 4 Hours
n-Hexane (CAS 110-54-3)  Acute Dermal  LD50 Rabbit > 2000 mg/kg, 4 Hours > 5 ml/kg, 4 Hours  Inhalation  LC50 Rat > 5000 ppm, 24 Hours > 31.86 mg/l 73860 ppm, 4 Hours  Oral  LD50 Rat 24 ml/kg 24 g/kg	Oral		
Acute         Dermal       > 2000 mg/kg, 4 Hours         LD50       Rabbit       > 5 ml/kg, 4 Hours         Inhalation       LC50       Rat       > 5000 ppm, 24 Hours         LC50       Rat       > 31.86 mg/l       73860 ppm, 4 Hours         Oral       LD50       Rat       24 ml/kg         LD50       Rat       24 g/kg	LD50	Rat	4820 mg/kg
Dermal         LD50       Rabbit       > 2000 mg/kg, 4 Hours         > 5 ml/kg, 4 Hours         Inhalation       Value         LC50       Rat       > 5000 ppm, 24 Hours         > 31.86 mg/l       73860 ppm, 4 Hours         Oral       LD50       Rat       24 ml/kg         LD50       Rat       24 g/kg	n-Hexane (CAS 110-54-3)		
LD50       Rabbit       > 2000 mg/kg, 4 Hours         > 5 ml/kg, 4 Hours         Inhalation       C50       Rat       > 5000 ppm, 24 Hours         > 31.86 mg/l       73860 ppm, 4 Hours         Oral       LD50       Rat       24 ml/kg         24 g/kg       24 g/kg	<u>Acute</u>		
S ml/kg, 4 Hours   S ml/kg, 4 Hours			
Inhalation         LC50       Rat       > 5000 ppm, 24 Hours         > 31.86 mg/l       73860 ppm, 4 Hours         Oral         LD50       Rat       24 ml/kg         24 g/kg       24 g/kg	LD50	Rabbit	> 2000 mg/kg, 4 Hours
LC50 Rat > 5000 ppm, 24 Hours > 31.86 mg/l 73860 ppm, 4 Hours  Oral LD50 Rat 24 ml/kg 24 g/kg			> 5 ml/kg, 4 Hours
> 31.86 mg/l 73860 ppm, 4 Hours  Oral LD50 Rat 24 ml/kg 24 g/kg			
73860 ppm, 4 Hours  Oral  LD50 Rat 24 ml/kg 24 g/kg	LC50	Rat	> 5000 ppm, 24 Hours
Oral       LD50       Rat       24 ml/kg         24 g/kg       24 g/kg			> 31.86 mg/l
LD50 Rat 24 ml/kg 24 g/kg			73860 ppm, 4 Hours
24 g/kg	Oral		
	LD50	Rat	24 ml/kg
Wistar rat 49 g/kg			24 g/kg
		Wistar rat	49 g/kg

Components **Species Test Results** 

Propane (CAS 74-98-6)

**Acute** 

Inhalation

LC50 Mouse 1237 mg/l, 120 Minutes

52 %, 120 Minutes

Rat 1355 mg/l

658 mg/l/4h

Skin corrosion/irritation Causes skin irritation.

Serious eve damage/eve Direct contact with eyes may cause temporary irritation.

irritation

Respiratory or skin sensitization

Not a respiratory sensitizer. Respiratory sensitization

Skin sensitization This product is not expected to cause skin sensitization.

Germ cell mutagenicity No data available to indicate product or any components present at greater than 0.1% are

mutagenic or genotoxic.

Carcinogenicity Risk of cancer cannot be excluded with prolonged exposure.

IARC Monographs. Overall Evaluation of Carcinogenicity

Not available.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

US. National Toxicology Program (NTP) Report on Carcinogens

Not available.

Suspected of damaging fertility. Suspected of damaging the unborn child. Reproductive toxicity

Specific target organ toxicity -

single exposure

Not classified.

Specific target organ toxicity -

repeated exposure

May cause damage to organs through prolonged or repeated exposure.

**Aspiration hazard** May be fatal if swallowed and enters airways.

Chronic effects May cause damage to organs through prolonged or repeated exposure. Prolonged exposure may

cause chronic effects.

# 12. Ecological information

**Ecotoxicity** Harmful to aquatic life with long lasting effects.

Components		Species	Test Results
Acetone (CAS 67-64-	1)		
Aquatic			
Crustacea	EC50	Water flea (Daphnia magna)	21.6 - 23.9 mg/l, 48 hours
Fish	LC50	Rainbow trout,donaldson trout (Oncorhynchus mykiss)	4740 - 6330 mg/l, 96 hours
Cyclohexane (CAS 11	10-82-7)		
Aquatic			
Fish	LC50	Fathead minnow (Pimephales promelas)	23.03 - 42.07 mg/l, 96 hours
n-Hexane (CAS 110-5	54-3)		
Aquatic			
Fish	LC50	Fathead minnow (Pimephales promelas)	2.101 - 2.981 mg/l, 96 hours

<sup>\*</sup> Estimates for product may be based on additional component data not shown.

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Persistence and degradability No data is available on the degradability of this product.

Bioaccumulative potential

<sup>\*</sup> Estimates for product may be based on additional component data not shown.

Partition coefficient n-octanol / water (log Kow)

 Acetone
 -0.24

 Butane
 2.89

 Cyclohexane
 3.44

 n-Hexane
 3.9

 Propane
 2.36

Mobility in soil No data available.

Other adverse effects No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation

potential, endocrine disruption, global warming potential) are expected from this component.

## 13. Disposal considerations

**Disposal instructions**Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Contents

under pressure. Do not puncture, incinerate or crush. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of contents/container in accordance with local/regional/national/international

regulations.

**Local disposal regulations** Dispose in accordance with all applicable regulations.

Hazardous waste code The waste code should be assigned in discussion between the user, the producer and the waste

disposal company.

Waste from residues / unused

products

Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).

Contaminated packaging Since emptied containers may retain product residue, follow label warnings even after container is

emptied. Empty containers should be taken to an approved waste handling site for recycling or

disposal. Do not re-use empty containers.

# 14. Transport information

#### DOT

UN number UN1950

**UN proper shipping name** Aerosols, flammable, (each not exceeding 1 L capacity)

Transport hazard class(es)

Class 2.1 Subsidiary risk -Label(s) 2.1

Packing group Not applicable.

Special precautions for user Read safety instructions, SDS and emergency procedures before handling. Read safety

instructions, SDS and emergency procedures before handling.

Special provisionsN82Packaging exceptions306Packaging non bulkNonePackaging bulkNone

This product meets the exception requirements of section 173.306 as a limited quantity and may be shipped as a limited quantity. Until 12/31/2020, the "Consumer Commodity - ORM-D" marking may still be used in place of the new limited quantity diamond mark for packages of UN 1950 Aerosols. Limited quantities require the limited quantity diamond mark on cartons after 12/31/20 and may be used now in place of the "Consumer Commodity ORM-D" marking and both may be displayed concurrently.

#### IATA

UN number UN1950

UN proper shipping name Aerosols, flammable

Transport hazard class(es)

Class 2.1 Subsidiary risk -Label(s) 2.1

Packing group Not applicable.

**Environmental hazards** No. **ERG Code** 10L

Special precautions for user Read safety instructions, SDS and emergency procedures before handling. Read safety

instructions, SDS and emergency procedures before handling.

Other information

Passenger and cargo

aircraft

Allowed with restrictions.

Cargo aircraft only Allowed with restrictions.

Packaging Exceptions LTD QTY

#### **IMDG**

UN1950 **UN number UN** proper shipping name **AEROSOLS** 

Transport hazard class(es)

Class 2.1 Subsidiary risk Label(s) None

Packing group Not applicable.

Not applicable.

**Environmental hazards** 

Marine pollutant No. F-D, S-U

Special precautions for user Read safety instructions, SDS and emergency procedures before handling. Read safety

instructions, SDS and emergency procedures before handling. LTD QTY

**Packaging Exceptions** Transport in bulk according to

Annex II of MARPOL 73/78 and

the IBC Code

DOT



IATA; IMDG



# 15. Regulatory information

**US** federal regulations This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication

Standard, 29 CFR 1910.1200.

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Not regulated.

**CERCLA Hazardous Substance List (40 CFR 302.4)** 

Acetone (CAS 67-64-1) Listed. Cyclohexane (CAS 110-82-7) Listed. n-Hexane (CAS 110-54-3) Listed.

SARA 304 Emergency release notification

Not regulated.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not listed.

Superfund Amendments and Reauthorization Act of 1986 (SARA)

**Hazard categories** Immediate Hazard - Yes

Delayed Hazard - Yes Fire Hazard - Yes Pressure Hazard - Yes Reactivity Hazard - No

#### SARA 302 Extremely hazardous substance

Not listed.

SARA 311/312 Hazardous No

chemical

#### SARA 313 (TRI reporting)

Chemical name	CAS number	% by wt.	
n-Hexane	110-54-3	10 - 20	
Cyclohexane	110-82-7	0.1 - 1	

#### Other federal regulations

#### Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

n-Hexane (CAS 110-54-3)

#### Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

Butane (CAS 106-97-8) Propane (CAS 74-98-6)

Safe Drinking Water Act

Not regulated.

(SDWA)

# Drug Enforcement Administration (DEA). List 2, Essential Chemicals (21 CFR 1310.02(b) and 1310.04(f)(2) and Chemical Code Number

Acetone (CAS 67-64-1) 6532

# Drug Enforcement Administration (DEA). List 1 & 2 Exempt Chemical Mixtures (21 CFR 1310.12(c))

Acetone (CAS 67-64-1) 35 %WV

#### **DEA Exempt Chemical Mixtures Code Number**

Acetone (CAS 67-64-1) 6532

# **US state regulations**

# US. California Controlled Substances. CA Department of Justice (California Health and Safety Code Section 11100)

Not listed.

# US. California. Candidate Chemicals List. Safer Consumer Products Regulations (Cal. Code Regs, tit. 22, 69502.3, subd.

(a))

Acetone (CAS 67-64-1)

Butane (CAS 106-97-8)

Naphtha, (Petroleum), Hydrotreated Light (CAS 64742-49-0)

n-Hexane (CAS 110-54-3)

# US. Massachusetts RTK - Substance List

Acetone (CAS 67-64-1)

Butane (CAS 106-97-8)

Cyclohexane (CAS 110-82-7)

n-Hexane (CAS 110-54-3)

Propane (CAS 74-98-6)

# US. New Jersey Worker and Community Right-to-Know Act

Acetone (CAS 67-64-1)

Butane (CAS 106-97-8)

Cyclohexane (CAS 110-82-7)

n-Hexane (CAS 110-54-3)

Propane (CAS 74-98-6)

# US. Pennsylvania Worker and Community Right-to-Know Law

Acetone (CAS 67-64-1)

Butane (CAS 106-97-8)

Cyclohexane (CAS 110-82-7)

n-Hexane (CAS 110-54-3)

Propane (CAS 74-98-6)

#### **US. Rhode Island RTK**

Acetone (CAS 67-64-1)

Butane (CAS 106-97-8)

Cyclohexane (CAS 110-82-7)

n-Hexane (CAS 110-54-3)

Propane (CAS 74-98-6)

#### **US. California Proposition 65**

WARNING: This product contains a chemical known to the State of California to cause cancer and birth defects or other reproductive harm.

# US - California Proposition 65 - CRT: Listed date/Carcinogenic substance

Benzene (CAS 71-43-2) Listed: February 27, 1987 Ethyl Benzene (CAS 100-41-4) Listed: June 11, 2004

# US - California Proposition 65 - CRT: Listed date/Developmental toxin

Benzene (CAS 71-43-2) Listed: December 26, 1997 Toluene (CAS 108-88-3) Listed: January 1, 1991 US - California Proposition 65 - CRT: Listed date/Male reproductive toxin

Benzene (CAS 71-43-2) Listed: December 26, 1997

#### International Inventories

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	No
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	No
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	No

Substances (EINECS)

Europe European List of Notified Chemical Substances (ELINCS) No

Japan Inventory of Existing and New Chemical Substances (ENCS) No

Korea Existing Chemicals List (ECL) No

New Zealand New Zealand Inventory No

Philippines Philippine Inventory of Chemicals and Chemical Substances No

(PICCS)

United States & Puerto Rico Toxic Substances Control Act (TSCA) Inventory

\*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

# 16. Other information, including date of preparation or last revision

 Issue date
 02-24-2015

 Revision date
 10-12-2015

Version # 03

**Disclaimer** The information provided in this Safety Data Sheet is correct to the best of our knowledge,

information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other

materials or in any process, unless specified in the text.

**Revision information**This document has undergone significant changes and should be reviewed in its entirety.

Product name: 12 OZ ADVANCED ULTIMATE DETAIL LB 12PK

Product #: 1000011767 Version #: 03 Revision date: 10-12-2015 Issue date: 02-24-2015 11 / 11

Yes

<sup>\*</sup>A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)
A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).