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Safety Data Sheet acc. to OSHA HCS

Printing date 06/14/2023

Reviewed on 06/14/2023

1 Identification

- · Product identifier
- · Trade name: MONTANA GOLD USA TECH Varnish alle Glanzgrade 400ml
- · Article number: 376351-US, 376375-US
- · Application of the substance / the mixture Lacquer
- · Details of the supplier of the safety data sheet
- · Manufacturer/Supplier:

MONTANA CANS

Häusserstr. 36

D-69115 Heidelberg

Tel. +49-6221-36333-30

Fax + 49 - 6221 - 36333 - 33

in fo@montana-cans.com

www.montana-cans.com

- · Information department: Department Product Safety
- · Emergency telephone number:

Tel.:+49 6266-75-310

Fax +49 6266-75-362

(Mo - Th 08:00 am - 04:00 pm, Fr 08:00 am - 00:30 pm)

2 Hazard(s) identification

· Classification of the substance or mixture



GHS02 Flame

Flammable Aerosols 1

H222 Extremely flammable aerosol.



GHS04 Gas cylinder

Gases under Pressure - Compressed gas

H280 Contains gas under pressure; may explode if heated.



GHS07

Eye Irritation 2A

H319 Causes serious eye irritation.

Specific Target Organ Toxicity - Single Exposure 3 H336 May cause drowsiness or dizziness.

- · Label elements
- · GHS label elements

The product is classified and labeled according to the Globally Harmonized System (GHS).

· Hazard pictograms







GHS02

GHS04

GHS07

- · Signal word Danger
- · Hazard-determining components of labeling: acetone

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US -

Item Numbers: 01425-1402, 01425-1409, 01425-1401

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 $2\hbox{-}methoxy\hbox{-} 1\hbox{-}methylethyl\ acetate}$

n-butyl acetate

· Hazard statements

H222 Extremely flammable aerosol.

H280 Contains gas under pressure; may explode if heated.

H319 Causes serious eye irritation.

H336 May cause drowsiness or dizziness.

· Precautionary statements

P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

P211 Do not spray on an open flame or other ignition source.

P251 Pressurized container: Do not pierce or burn, even after use.

P260 Do not breathe spray.

P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.

P501 Dispose of contents/container in accordance with local/regional/national/international

regulations.

· Classification system:

· NFPA ratings (scale 0 - 4)



Health = 2 Fire = 4Reactivity = 0

· HMIS-ratings (scale 0 - 4)



Health = 2
 Fire = 4
 Reactivity = 3

- · 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.

CAS: 67-64-1	acetone	25-<50%
EINECS: 200-662-2 Index number: 606-001-00-8	Flammable Liquids 2, H225 Eye Irritation 2A, H319; Specific Target Organ Toxicity - Single Exposure 3, H336	_
CAS: 115-10-6 EINECS: 204-065-8 Index number: 603-019-00-8	dimethyl ether Flammable Gases 1, H220 Gases under Pressure - Compressed gas, H280	20-<25%
CAS: 74-98-6 EINECS: 200-827-9 Index number: 601-003-00-5	propane Flammable Gases 1, H220 Gases under Pressure - Compressed gas, H280	10-<12.5%
CAS: 108-65-6 EINECS: 203-603-9 Index number: 607-195-00-7	2-methoxy-1-methylethyl acetate Flammable Liquids 3, H226 Specific Target Organ Toxicity - Single Exposure 3, H336	5-<10%
CAS: 106-97-8 EINECS: 203-448-7 Index number: 601-004-00-0	butane (containing < 0,1 % butadiene (203-450-8)) Flammable Gases 1, H220 Gases under Pressure - Compressed gas, H280	5-<10%
CAS: 123-86-4 EINECS: 204-658-1 Index number: 607-025-00-1	n-butyl acetate Flammable Liquids 3, H226 Specific Target Organ Toxicity - Single Exposure 3, H336	5-<10%

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CAS: 75-28-5 | isobutane (containing < 0,1 % butadiene (203-450-8)) | 2.5-<5% |
EINECS: 200-857-2 | Index number: 601-004-00-0 Gases under Pressure - Compressed gas, H280

*

4 First-aid measures

- · Description of first aid measures
- · General information: Take affected persons out into the fresh air.
- · After inhalation: Supply fresh air; consult doctor in case of complaints.
- · After skin contact: Generally the product does not irritate the skin.
- · After eve contact.

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

- · After swallowing: Drink copious amounts of water and provide fresh air. Immediately call a doctor.
- · Information for doctor:
- · Most important symptoms and effects, both acute and delayed No further relevant information available.
- · Indication of any immediate medical attention and special treatment needed

No further relevant information available.

*

5 Fire-fighting measures

- · Extinguishing media
- · Suitable extinguishing agents:

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

· Special hazards arising from the substance or mixture

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

- · Advice for firefighters -
- Protective equipment:

Wear self-contained respiratory protective device.

Do not inhale explosion gases or combustion gases.

Mouth respiratory protective device.

6 Accidental release measures

· Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation

Mount respiratory protective device.

Wear protective equipment. Keep unprotected persons away.

Keep away from ignition sources

- · Environmental precautions: Do not allow to enter sewers/ surface or ground water.
- · Methods and material for containment and cleaning up:

Dispose contaminated material as waste according to section 13.

Ensure adequate ventilation.

· Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

· Protective Action Criteria for Chemicals

· PAC-1:		
		200 ppm
115-10-0	dimethyl ether	3,000 ppm
74-98-0	propane	5500* ppm
108-65-6	2-methoxy-1-methylethyl acetate	50 ppm
106-97-	butane (containing < 0,1 % butadiene (203-450-8))	5500* ppm
		Contd. on page 4)

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123 86 4	n-butyl acetate	(Contd. of page 5 ppm
	·	* *
	isobutane (containing < 0,1 % butadiene (203-450-8))	5500* ppm
	Di-(2-ethylhexyl) adipate	17 mg/m^3
	silicon dioxide, chemically prepared	18 mg/m³
	2-methoxypropyl acetate	50 ppm
556-67-2	octamethylcyclotetrasiloxane	30 ppm
PAC-2:		
67-64-1	acetone	3200* ppm
115-10-6	dimethyl ether	3800* ppm
<i>74-98-6</i>	propane	17000** ppn
108-65-6	2-methoxy-1-methylethyl acetate	1,000 ppm
106-97-8	butane (containing < 0,1 % butadiene (203-450-8))	17000** ppn
123-86-4	n-butyl acetate	200 ppm
75-28-5	isobutane (containing < 0,1 % butadiene (203-450-8))	17000** ppn
103-23-1	Di-(2-ethylhexyl) adipate	$180 \ mg/m^3$
7631-86-9	silicon dioxide, chemically prepared	740 mg/m³
70657-70-4	2-methoxypropyl acetate	1,000 ppm
556-67-2	octamethylcyclotetrasiloxane	68 ppm
PAC-3:		·
67-64-1	acetone	5700* ppm
115-10-6	dimethyl ether	7200* ppm
74-98-6	propane	33000*** ppn
108-65-6	2-methoxy-1-methylethyl acetate	5000* ppm
106-97-8	butane (containing < 0,1 % butadiene (203-450-8))	53000*** ppn
123-86-4	n-butyl acetate	3000* ppm
75-28-5	isobutane (containing < 0,1 % butadiene (203-450-8))	53000*** ppn
103-23-1	Di-(2-ethylhexyl) adipate	$1,100 \text{ mg/m}^3$
7631-86-9	silicon dioxide, chemically prepared	$4,500 \text{ mg/m}^3$
70657-70-4	2-methoxypropyl acetate	5,000 ppm
556-67-2	octamethylcyclotetrasiloxane	130 ppm

7 Handling and storage

- · Handling:
- · Precautions for safe handling

Keep away from heat and direct sunlight.

Ensure good interior ventilation, especially at floor level. (Fumes are heavier than air).

Ensure good ventilation/exhaustion at the workplace.

· Information about protection against explosions and fires:

Keep ignition sources away - Do not smoke.

Keep respiratory protective device available.

- · Conditions for safe storage, including any incompatibilities
- · Storage:
- · Requirements to be met by storerooms and receptacles:

Observe official regulations on storing packagings with pressurized containers.

- · Information about storage in one common storage facility: Not required.
- · Further information about storage conditions: Keep receptacle tightly sealed.
- · Storage class: 2 B

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

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8 Exposure controls/personal protection

- · Additional information about design of technical systems: No further data; see section 7.
- · Control parameters

Contro	n parameters
· Compo	onents with limit values that require monitoring at the workplace:
67-64-	1 acetone
PEL	Long-term value: 2400 mg/m³, 1000 ppm
REL	Long-term value: 590 mg/m³, 250 ppm
TLV	Short-term value: 500 ppm
	Long-term value: 250 ppm
	A4, BEI
115-10	0-6 dimethyl ether
WEEL	Long-term value: 1000 ppm
74-98-	6 propane
PEL	Long-term value: 1800 mg/m³, 1000 ppm
REL	Long-term value: 1800 mg/m³, 1000 ppm
TLV	see Appendix F Minimal oxygen content (D, EX)
108-65	5-6 2-methoxy-1-methylethyl acetate
WEEL	Long-term value: 50 ppm
106-97	7-8 butane (containing < 0,1 % butadiene (203-450-8))
REL	Long-term value: 1900 mg/m³, 800 ppm
TLV	Short-term value: 1000 ppm
	(EX)
123-86	6-4 n-butyl acetate
PEL	Long-term value: 710 mg/m³, 150 ppm

REL Short-term value: 950 mg/m³, 200 ppm Long-term value: 710 mg/m³, 150 ppm TLV Short-term value: 150 ppm

LV Short-term value: 150 ppm Long-term value: 50 ppm

75-28-5 isobutane (containing < 0,1 % butadiene (203-450-8))

TLV Short-term value: 1000 ppm (EX)

· Ingredients with biological limit values:

67-64-1 acetone

BEI 25 mg/L

Medium: urine Time: end of shift

Parameter: Acetone (nonspecific)

- · Additional information: The lists that were valid during the creation were used as basis.
- · Exposure controls
- · Personal protective equipment:
- · General protective and hygienic measures:

Do not eat, drink, smoke or sniff while working.

Keep away from foodstuffs, beverages and feed.

 $Immediately\ remove\ all\ soiled\ and\ contaminated\ clothing.$

Wash hands before breaks and at the end of work.

Do not inhale gases / fumes / aerosols.

Avoid contact with the eyes and skin.

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Trade name: MONTANA GOLD USA TECH Varnish alle Glanzgrade 400ml

Avoid contact with the eyes.

· Breathing equipment:



In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use respiratory protective device that is independent of circulating air.

Filter A2/P3

· Protection of hands:



Protective gloves

· Material of gloves

Butyl rubber, BR

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.

· Penetration time of glove material

Butyl rubber gloves with a thickness of 0.4 mm are resistant to:

Acetone: 480 min Butyl acetate: 60 min Ethyl acetate: 170 min Xylene: 42 min

Butyl rubber gloves with a thickness of 0.4 mm are solvent resistant for 42- 480 minutes. As protective measure, we recommend that users and responsible persons for work safety assume solvent resistance length of 42 minutes. Considering the data in section 3 of this SDS, one can assume longer resistance length in particular cases.

· Eye protection:



Tightly sealed goggles

· Body protection: Light weight protective clothing

Information on basic physical and General Information	chemical properties	
Appearance:		
Form:	Aerosol	
Color:	According to product specification	
Odor:	Characteristic	
Odor threshold:	Not determined.	
pH-value:	Mixture is non-soluble (in water).	
Change in condition		
Melting point/Melting range:	Undetermined.	
Boiling point/Boiling range:	Not applicable, as aerosol.	
Flash point:	Not applicable, as aerosol.	
Flammability (solid, gaseous):	Not applicable.	
Auto igniting:	240 °C (464 °F)	
Decomposition temperature:	Not determined.	
Danger of explosion:	Not determined.	

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		(Contd. of page
· Explosion limits:		
Lower:	1.7 Vol %	
Upper:	26.2 Vol %	
· Vapor pressure at 20 °C (68 °F):	8300 hPa (6225.5 mm Hg)	
· Vapor pressure at 50 °C (122 °F):	16500 hPa (12376 mm Hg)	
· Density at 20 °C (68 °F):	$0.7 \ g/cm^3 (5.8 \ lbs/gal)$	
· Relative density	Not determined.	
· Vapor density	Not determined.	
· Evaporation rate	Not applicable.	
· Solubility in / Miscibility with		
Water:	Not miscible or difficult to mix.	
· Partition coefficient (n-octanol/wate	r): Not determined.	
· Viscosity:		
Dynamic:	Not determined.	
Kinematic:	Not determined.	
· Solvent content:		
Organic solvents:	91.4 %	
VOC content:	596.5 g/l / 4.98 lb/gal	
Solids content:	7.9 %	
· 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.
- $\cdot \textit{Conditions to avoid No further relevant information available}.$
- · Incompatible materials: No further relevant information available.
- · Hazardous decomposition products: No dangerous decomposition products known.

11 Toxicological information

- · Information on toxicological effects
- · Acute toxicity:

· Acute toxi	cuy:	
· LD/LC50	values that d	are relevant for classification:
67-64-1 ac	etone	
Oral	LD50	5800 mg/kg (rat)
Dermal	<i>LD50</i>	>15800 mg/kg (rabbit)
Inhalative	LC50 / 4h	76 mg/l (rat)
108-65-6 2	-methoxy-1	-methylethyl acetate
Oral	LD50	8530 mg/kg (rat)
Dermal	<i>LD50</i>	>5000 mg/kg (rabbit)
Inhalative	LC50 / 4 h	>10000 mg/m3 (rat)
123-86-4 n	i-butyl aceta	nte
Oral	LD50	10800 mg/kg (rat) (OECD 401)
Dermal	LD50	>17600 mg/kg (rabbit)
Inhalative	LC50 / 4 h	>21 mg/m3 (rat)
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Trade name: MONTANA GOLD USA TECH Varnish alle Glanzgrade 400ml

- · Primary irritant effect:
- · on the skin: No irritant effect.
- · on the eye: Irritating effect.
- · Sensitization: No sensitizing effects known.
- · Additional toxicological information:

Vapors have narcotic effect.

The product shows the following dangers according to internally approved calculation methods for preparations:

Irritant

· Carcinogenic categories

· Carcinoge	nic categories	
· IARC (Int	ernational Agency for Research on Cancer)	
103-23-1	Di-(2-ethylhexyl) adipate	3
7631-86-9	silicon dioxide, chemically prepared	3
· NTP (Nati	ional Toxicology Program)	
None of th	e ingredients is listed.	
· OSHA-Ca	(Occupational Safety & Health Administration)	
None of th	e ingredients is listed.	

*

12 Ecological information

· Toxicity

· Aquatic toxicity:			
one			
8300 mg/l (fish)			
7200 mg/l (algae)			
8450 mg/l (crustacean (water flea))			
nethyl ether			
155 mg/l (algae)			
>4000 mg/l (daphnia magna)			
>4000 mg/l (fish)			
108-65-6 2-methoxy-1-methylethyl acetate			
>500 mg/l (daphnia magna)			
100-180 mg/l (oncorhynchus mykiss / Regenbogenforelle)			

- · Persistence and degradability No further relevant information available.
- · Behavior in environmental systems:
- $\cdot \textbf{\it Bioaccumulative potential \it No further relevant information available.}$
- · Mobility in soil No further relevant information available.
- · Additional ecological information:
- · General notes:

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

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

- · Results of PBT and vPvB assessment
- \cdot **PBT:** Not applicable.
- · vPvB: Not applicable.
- $\cdot \textit{Other adverse effects} \ \textit{No further relevant information available}.$

— US

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 ${\it Trade\ name:\ MONTANA\ GOLD\ USA\ TECH\ Varnish\ alle\ Glanzgrade\ 400ml}$

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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.

Disposal must be made according to official regulations.

UN-Number	
DOT, IMDG, IATA	UN1950
UN proper shipping name	
DOT	Aerosols, flammable
IMDG	AEROSOLS
IATA	AEROSOLS, flammable
Transport hazard class(es)	
DOT	
PLAMADE UAS	
2	
Class	2.1 Gases
Label	2.1
IMDG, IATA	
	216
Class	2.1 Gases
Label	2.1
Packing group	
DOT, IMDG, IATA	not regulated
Environmental hazards:	Not applicable.
Special precautions for user	Warning: Gases
Hazard identification number (Kemi	ler code): -
EMS Number:	F- D , S - U
Stowage Code	SW1 Protected from sources of heat. SW22 For AEROSOLS with a maximum capacity of 1 litr

living quarters.

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· Segregation Code	SG69 For AEROSOLS with a maximum capacity of 1 litre: Segregation as for class 9. Stow "separated from" class 1 except for division 1.4. For AEROSOLS with a capacity above 1 litre: Segregation as for the appropriate subdivision of class 2. For WASTE AEROSOLS: Segregation as for the appropriate subdivision of class 2.
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: 75 kg On cargo aircraft only: 150 kg
· IMDG · Limited quantities (LQ) · Excepted quantities (EQ)	1L Code: E0 Not permitted as Excepted Quantity
· UN ''Model Regulation'':	UN 1950 AEROSOLS, 2.1

15 Regulatory information

- · Safety, health and environmental regulations/legislation specific for the substance or mixture

Sura			
· Section 355 (extremely hazardous substances):			
None of the ingredients is listed.			
· Section 313 (Specific toxic chemical listings):			
103-23-1 Di-(2-ethylhexyl) adipate			
· TSCA (Toxic Substances Control Act):			
67-64-1 acetone AG	.CTIVE		
115-10-6 dimethyl ether AG	.CTIVE		
74-98-6 propane Ac	.CTIVE		

67-64-1	acetone	ACTIVE
115-10-6	dimethyl ether	ACTIVE
74-98-6	propane	ACTIVE
108-65-6	2-methoxy-1-methylethyl acetate	ACTIVE
106-97-8	butane (containing < 0,1 % butadiene (203-450-8))	ACTIVE
51821-72-8	2-Propenoic acid,2-methyl-, polymer with methyl 2-methyl-2-propenoate and 2-methylpropyl 2-methyl-2-propenoate	*
123-86-4	n-butyl acetate	ACTIVE
75-28-5	isobutane (containing < 0,1 % butadiene (203-450-8))	ACTIVE
103-23-1	Di-(2-ethylhexyl) adipate	ACTIVE
7631-86-9	silicon dioxide, chemically prepared	ACTIVE
64742-95-6	Hydrocarbons, C9, aromatics	ACTIVE
8002-74-2	Paraffin waxes and Hydrocarbon waxes	ACTIVE
70657-70-4	2-methoxypropyl acetate	*
64742-60-5	Hydrocarbon waxes (petroleum)	ACTIVE
556-67-2	octamethylcyclotetrasiloxane	ACTIVE

· Hazardous Air Pollutants

None of the ingredients is listed.

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· Proposition 65	, and a residual field
· 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:	
None of the ingredients is listed.	
· Carcinogenic categories	
· EPA (Environmental Protection Agency)	
67-64-1 acetone	I
103-23-1 Di-(2-ethylhexyl) adipate	C
· TLV (Threshold Limit Value)	
67-64-1 acetone	A_4
NIOSH-Ca (National Institute for Occupational Safety and Health)	•
None of the ingredients is listed.	

16 Other information

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

· Information about limitation of use: Employment restrictions concerning young persons must be observed.

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

· Relevant phrases

H220 Extremely flammable gas.

H225 Highly flammable liquid and vapor.

H226 Flammable liquid and vapor.

H280 Contains gas under pressure; may explode if heated.

H319 Causes serious eye irritation.

H336 May cause drowsiness or dizziness.

· Contact:

· Date of preparation / last revision 06/14/2023

· Abbreviations and acronyms:

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the

International Transport of Dangerous Goods by Rail) ICAO: International Civil Aviation Organisation

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the

International Carriage of Dangerous Goods by Road)
IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances CAS: Chemical Abstracts Service (division of the American Chemical Society)

NFPA: National Fire Protection Association (USA)

HMIS: Hazardous Materials Identification System (USA)

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

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REL: Recommended Exposure Limit

BEI: Biological Exposure Limit

BEI: Biological Exposure Limit

ACGIH: American Conference of Governmental Industrial Hygienists

Flammable Gases 1: Flammable gases – Category 1

Flammable Aerosols 1: Aerosols – Category 1

Gases under Pressure - Compressed gas: Gases under pressure – Compressed gas

Flammable Liquids 2: Flammable liquids – Category 2

Flammable Liquids 3: Flammable liquids – Category 3

Eye Irritation 2A: Serious eye damage/eye irritation – Category 2A

Specific Target Organ Toxicity - Single Exposure 3: Specific target organ toxicity (single exposure) – Category 3

* Data compared to the previous version altered

* Data compared to the previous version altered.