Safety Data Sheet
according to WHS Regulations

Date of issue: 13.07.2026 Version number 43 Revision: 13.07.2026

Hazardous according to criteria of Australian Safety and Compensation Council.

1 Identification

· **Other means of identification**

· **Trade name:** GRF BISON/CONTACT TIX TI 5L*1 L221
· **Relevant identified uses of the substance or mixture and uses advised against**
No further relevant information available.
· **Application of the substance / the mixture** Adhesive

· **Details of the supplier of the safety data sheet**
· **Manufacturer/Supplier:**
Bison International B.V.
Dr.A.F.Philipsstraat 9
NL-4462 EW Goes
PO Box 160
NL-4460 AD Goes
tel. +31 88 3235700
fax. +31 88 3235800
e-mail: sds@boltonadhesives.com

FABER - CASTELL
15 GIBBON RD.
WINSTON HILL
NSW 2153
Toll Free: 1800 677 885
Free Fax: 1800 678 608
EMAIL: enquiries@faber-castell.com.au
UHU GmbH
Herrmannstraße 7
D-77815 Bühl (Baden)
Tel.:0049-(0)7223-284-0 Fax: 0049-(0)7223-284-245
E-mail: sds@boltonadhesives.com

FABER - CASTELL
15 GIBBON RD.
WINSTON HILL
NSW 2153
Toll Free: 1800 677 885
Free Fax: 1800 678 608
EMAIL: enquiries@faber-castell.com.au

· **Further information obtainable from:**
PSRA
PSRA
· **Emergency telephone number:**
POISONS INFORMATION CENTRE (PIC)
TEL: 13 11 26
POISONS INFORMATION CENTRE (PIC)
TEL: 13 11 26

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2 Hazard(s) Identification

· **Classification of the substance or mixture**

Flammable liquids – Category 2	H225 Highly flammable liquid and vapour.
Skin corrosion/irritation – Category 2	H315 Causes skin irritation.
Eye damage/irritation – Category 2A	H319 Causes serious eye irritation.
Specific target organ toxicity (single exposure) – Category 3	H335 May cause respiratory irritation.
Specific target organ toxicity (single exposure) – Category 3	H336 May cause drowsiness or dizziness.

· **Label elements**
· **Hazard pictograms**



GHS02 GHS07

· **Signal word** Danger
· **Hazard statements**
H225 Highly flammable liquid and vapour.
H315 Causes skin irritation.
H319 Causes serious eye irritation.
H335 May cause respiratory irritation.
H336 May cause drowsiness or dizziness.
· **Precautionary statements**
P101 If medical advice is needed, have product container or label at hand.
P102 Keep out of reach of children.
P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking.
P261 Avoid breathing vapours.
P370+P378 In case of fire: Use to extinguish: Water haze, Alcohol resistant foam, Fire-extinguishing powder, Carbon dioxide.
P403+P233 Store in a well-ventilated place. Keep container tightly closed.
P501 Dispose of contents/container in accordance with national regulations.
· **Other hazards**
· **Results of PBT and vPvB assessment**
· **PBT:** Not applicable
· **vPvB:** Not applicable

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3 Composition and Information on Ingredients

· **Chemical characterisation: Mixtures**
· **Description:** Adhesive

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· **Dangerous components:**

78-93-3	Butanone Flammable liquids – Category 2, H225; Eye damage/irritation – Category 2A, H319; Specific target organ toxicity (single exposure) – Category 3, H335; Specific target organ toxicity (single exposure) – Category 3, H336	10-<30%
141-78-6	Ethyl acetate Flammable liquids – Category 2, H225; Eye damage/irritation – Category 2A, H319; Specific target organ toxicity (single exposure) – Category 3, H336	10-<30%
108-87-2	Methylcyclohexane Flammable liquids – Category 2, H225; Aspiration hazard – Category 1, H304; Skin corrosion/irritation – Category 2, H315; Specific target organ toxicity (single exposure) – Category 3, H336	≥10-<25%
67-64-1	Acetone Flammable liquids – Category 2, H225; Eye damage/irritation – Category 2A, H319; Specific target organ toxicity (single exposure) – Category 3, H336	<10%
25085-50-1	p-tert-butylphenol formaldehyde resin Skin sensitisation – Category 1, H317	≥1-<10%
1309-48-4	Magnesium oxide	<10%
8050-09-7	Rosin Skin sensitisation – Category 1, H317	≥0.1-<1%
123-26-2	N,N'-ethane-1,2-diylbis(12-hydroxyoctadecan-1-amide) Skin sensitisation – Category 1B, H317	≥0.1-<1%

· **Additional information:** For the wording of the listed hazard phrases refer to section 16.

4 First Aid Measures

· **General information:** No special measures required.
· **After inhalation:**
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. If symptoms persist, consult a doctor.
· **After swallowing:** If symptoms persist consult 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

· **Suitable extinguishing agents:**
Water haze

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Alcohol resistant foam
Fire-extinguishing powder
Carbon dioxide
· **For safety reasons unsuitable extinguishing agents:** Water with full jet
· **Special hazards arising from the substance or mixture**
No further relevant information available.
· **Protective equipment:** No special measures required.
· **Additional information**
Cool endangered receptacles with water spray.
Collect contaminated fire fighting water separately. It must not enter the sewage system.

6 Accidental Release Measures

· **Personal precautions, protective equipment and emergency procedures**
Wear protective equipment. Keep unprotected persons away.
· **Environmental precautions:** Do not allow to enter sewers/ surface or ground water.
· **Methods and material for containment and cleaning up:**
Send for recovery or disposal in suitable receptacles.
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
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.

7 Handling and Storage

· **Handling:**
· **Precautions for safe handling**
Ensure good interior ventilation, especially at floor level. (Fumes are heavier than air).
Ensure good ventilation/exhaustion at the workplace.
Prevent formation of aerosols.
· **Information about fire - and explosion protection:**
Keep ignition sources away - Do not smoke.
Protect against electrostatic charges.
· **Storage:**
· **Requirements to be met by storerooms and receptacles:** Store in a cool location.
· **Information about storage in one common storage facility:** Not required
· **Further information about storage conditions:**
Keep container tightly sealed.
Store in cool, dry conditions in well sealed receptacles.
· **Storage class:** 3
· **Specific end use(s)** No further relevant information available.

8 Exposure controls and personal protection

· **Appropriate engineering controls** No further data; see section 7.

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· **Ingredients with limit values that require monitoring at the workplace:**

78-93-3 Butanone	
WES	Short-term value: 890 mg/m³, 300 ppm Long-term value: 445 mg/m³, 150 ppm
141-78-6 Ethyl acetate	
WES	Short-term value: 1440 mg/m³, 400 ppm Long-term value: 720 mg/m³, 200 ppm
108-87-2 Methylcyclohexane	
WES	Long-term value: 1610 mg/m³, 400 ppm
67-64-1 Acetone	
WES	Short-term value: 2375 mg/m³, 1000 ppm Long-term value: 1185 mg/m³, 500 ppm
1309-48-4 Magnesium oxide	
WES	Long-term value: 10 mg/m³

· **DNELs**

78-93-3 Butanone		
Oral	Consumer, oral, longterm exposition	31 mg/kg bw/day
Dermal	Worker, dermal, longterm exposition	1161 mg/kg bw/day
	Consumer, dermal, longterm exposition	412 mg/kg bw/day
Inhalative	Worker, inhalative, shortterm exposition	900 mg/m³
	Worker, inhalative, longterm exposition	600 mg/m³
	Consumer DNEL, acute inhalation	450 mg/m³
	Consumer, inhalative, longterm exposition	106 mg/m³
141-78-6 Ethyl acetate		
Oral	Consumer, oral, longterm exposition	4.5 mg/kg bw/day
Dermal	Worker, dermal, longterm exposition	63 mg/kg bw/day
	Consumer, dermal, longterm exposition	37 mg/kg bw/day
Inhalative	Worker, inhalative, shortterm exposition	1468 mg/m³
	Worker, inhalative, longterm exposition	734 mg/m³
	Consumer DNEL, acute inhalation	734 mg/m³
	Consumer, inhalative, longterm exposition	367 mg/m³
108-87-2 Methylcyclohexane		
Oral	Consumer, oral, longterm exposition	0.4 mg/kg bw/day
Dermal	Worker, dermal, longterm exposition	1.7 mg/kg bw/day
	Consumer, dermal, longterm exposition	0.8 mg/kg bw/day
Inhalative	Worker, inhalative, shortterm exposition	1354.6 mg/m³
	Worker, inhalative, longterm exposition	64.3 mg/m³
	Consumer DNEL, acute inhalation	1016 mg/m³
	Consumer, inhalative, longterm exposition	16 mg/m³
67-64-1 Acetone		
Oral	Consumer, oral, longterm exposition	62 mg/kg bw/day

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Dermal	Worker, dermal, longterm exposition	186 mg/kg bw/day
	Consumer, dermal, longterm exposition	62 mg/kg bw/day
Inhalative	Worker, inhalative, shortterm exposition	2420 mg/m³
	Worker, inhalative, longterm exposition	1210 mg/m³
	Consumer, inhalative, longterm exposition	200 mg/m³

· **PNECs**

78-93-3 Butanone		
Oral	Secondary Poisoning	1000 mg/kg
	Fresh water	55.8 mg/l
	Fresh water sediment	284.7 mg/kg dry weight
	Marine water	55.8 mg/l
	Marine sediment	284.7 mg/kg dry weight
	Soil	22.5 mg/kg
	Sewage treatment plant	709 mg/l
	Sporadic release	55.8 mg/l
141-78-6 Ethyl acetate		
	Fresh water	0.24 mg/l
	Fresh water sediment	1.15 mg/kg dry weight
	Marine water	0.024 mg/l
	Marine sediment	0.115 mg/kg dry weight
	Soil	0.148 mg/kg
	Sewage treatment plant	650 mg/l
108-87-2 Methylcyclohexane		
	Fresh water	0.00134 mg/l
	Fresh water sediment	0.0362 mg/kg dry weight
	Marine water	0.000134 mg/l
	Marine sediment	0.00362 mg/kg dry weight
	Soil	0.0097 mg/kg
	Sewage treatment plant	0.273 mg/l
67-64-1 Acetone		
	Fresh water	10.6 mg/l
	Fresh water sediment	30.4 mg/kg dry weight
	Marine water	1.06 mg/l
	Marine sediment	3.04 mg/kg dry weight
	Soil	29.5 mg/kg
	Sewage treatment plant	100 mg/l
	Sporadic release	21 mg/l
123-26-2 N,N'-ethane-1,2-diylbis(12-hydroxyoctadecan-1-amide)		
	Sewage treatment plant	0.1 mg/l

· **Additional information:** The lists valid during the making were used as basis.

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· **Personal protective equipment:**
· **General protective and hygienic measures:**
The usual precautionary measures are to be adhered to when handling chemicals.
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.
· **Respiratory protection:**
Use suitable respiratory protective device in case of insufficient ventilation.
· **Recommended filter device for short term use:**
Filter AX
Filter A
· **Protection of hands:**
Solvent resistant gloves


Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation
· **Material of gloves**
Recommended thickness of the material: > 0,12 mm
Butyl rubber, BR
Nitrile rubber, NBR
Recommended thickness of the material: > 0,7 mm
· **Penetration time of glove material**
For the mixture of chemicals mentioned below the penetration time has to be at least 10 minutes (Permeation according to EN 374 Part 3: Level 1).
For the mixture of chemicals mentioned below the penetration time has to be at least 120 minutes (Permeation according to EN 374 Part 3: Level 4).
· **Eye protection:**


Tightly sealed goggles

Goggles recommended during refilling
· **Body protection:**
Use protective suit.
Solvent resistant protective clothing

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9 Physical and Chemical Properties

· **General Information**
· **Appearance:**
· **Form:** Fluid

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· **Colour:**	According to product specification
· **Odour:**	Characteristic
· **Odour threshold:**	Not determined
· **pH-value:**	Not determined
· **Change in condition**	
· **Melting point/freezing point:**	Undetermined
· **Initial boiling point and boiling range:**	55.8-56.6 °C
· **Flash point:**	-4 °C
· **Flammability**	Highly flammable.
· **Auto-ignition temperature:**	260 °C
· **Decomposition temperature:**	Not determined
· **Ignition temperature:**	Product is not selfigniting.
· **Explosive properties:**	Product is not explosive. However, formation of explosive air/vapour mixtures are possible.
· **Explosion limits:**	
· **Lower:**	1.8 Vol %
· **Upper:**	11.5 Vol %
· **Vapour pressure at 20 °C:**	105 hPa
· **Vapour pressure at 50 °C:**	360 hPa
· **Density at 20 °C:**	0.87 g/cm³
· **Relative density**	Not determined
· **Vapour density**	Not determined
· **Evaporation rate**	Not determined
· **Solubility in / Miscibility with**	
· **water:**	Not miscible or difficult to mix.
· **Partition coefficient: n-octanol/water:**	Not determined
· **Viscosity:**	
· **Dynamic at 20 °C:**	1000 mPas
· **Kinematic:**	Not determined
· **Solvent content:**	
· **Organic solvents:**	80.4 %
· **Water:**	0.1 %
· **VOC (EC)**	80.40 %
· **Solids content:**	19.5 %
· **Other information**	All relevant physical data were determined for the mixture. All non-determined data are not measurable or not relevant for the characterization of the mixture.
· **Particle characteristics**	Not applicable
· **Physical state**	Liquid

10 Stability and Reactivity

· **Reactivity** No further relevant information available.
· **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.

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· **Incompatible materials:** No further relevant information available.
· **Hazardous decomposition products:** Danger of forming toxic pyrolysis products.

11 Toxicological Information

· **Information on toxicological effects**
· **Acute toxicity** Based on available data, the classification criteria are not met.

· **LD/LC50 values relevant for classification:**		
78-93-3 Butanone		
Oral	LD50	>2193 mg/kg (rat)
Dermal	LD50	>8050 mg/kg (rat)
141-78-6 Ethyl acetate		
Oral	LD50	4934 mg/kg (rabbit)
Dermal	LD50	>20000 mg/kg (rabbit)
Inhalative	LC50/4 h	29.3 mg/l (rat)
108-87-2 Methylcyclohexane		
Oral	LD50	4000-4500 mg/kg (rabbit)
Dermal	LD50	>2000 mg/kg (rabbit)
67-64-1 Acetone		
Oral	LD50	5800 mg/kg (rat)
Dermal	LD50	>15800 mg/kg (rat)
Inhalative	LC50/4 h	76 mg/l (rat)
25085-50-1 p-tert-butylphenol formaldehyde resin		
Oral	LD50	>2000 mg/kg (rat)
Dermal	LD50	>2000 mg/kg (rat)
1309-48-4 Magnesium oxide		
Oral	LD50	3870 mg/kg
Dermal	LD50	>2000 mg/kg (rabbit)
8050-09-7 Rosin		
Oral	LD50	2800 mg/kg (rat)
Dermal	LD50	>2000 mg/kg (rat)
123-26-2 N,N'-ethane-1,2-diylbis(12-hydroxyoctadecan-1-amide)		
Oral	LD50	>2000 mg/kg (rat)

· **Primary irritant effect:**
· **Skin corrosion/irritation**
Causes skin irritation.
· **Serious eye damage/irritation**
Causes serious eye irritation.
· **Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.
· **Germ cell mutagenicity**
Not applicable
Based on available data, the classification criteria are not met.
· **Carcinogenicity** Based on available data, the classification criteria are not met.

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· **Reproductive toxicity** Based on available data, the classification criteria are not met.
· **STOT-single exposure** May cause respiratory irritation. May cause drowsiness or dizziness.
· **STOT-repeated exposure** Based on available data, the classification criteria are not met.
· **Aspiration hazard** Based on available data, the classification criteria are not met.
· **Interactive effects**
· **Acute effects (acute toxicity, irritation and corrosivity)** Not applicable
· **Sensitisation** Not applicable
· **Repeated dose toxicity** Not applicable

12 Ecological Information

· **Toxicity**
· **Aquatic toxicity:** No further relevant information available.
· **Persistence and degradability** No further relevant information available.
· **Behaviour in environmental systems:**
· **Bioaccumulative potential** No further relevant information available.
· **Mobility in soil** No further relevant information available.
· **Additional ecological information:**
· **General notes:**
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 together with household garbage. Do not allow product to reach sewage system.
Disposal must be made according to official regulations.

· **Uncleaned packaging:**
· **Recommendation:**
Packagings that may not be cleansed are to be disposed of in the same manner as the product.

14 Transport information

· **UN-Number**	
· **ADG, IMDG, IATA**	UN1133
· **UN proper shipping name**	
· **ADG**	1133 ADHESIVES
· **IMDG, IATA**	ADHESIVES

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· **Transport hazard class(es)**

· **ADG**



· **Class**	3 (F1) Flammable liquids.
· **Label**	3

· **IMDG, IATA**



· **Class**	3 Flammable liquids.
· **Label**	3
· **Packing group**	
· **ADG, IMDG, IATA**	III
· **Environmental hazards:**	
· **Marine pollutant:**	No
· **Special precautions for user**	Warning: Flammable liquids.
· **Hazard identification number (Kemler code):**	-
· **EMS Number:**	F-E,S-D
· **Stowage Category**	A
· **Transport in bulk according to Annex II of Marpol and the IBC Code**	Not applicable
· **Transport/Additional information:**	
· **Quantity limitations**	On passenger aircraft/rail: 60 L On cargo aircraft only: 220 L
· **ADG**	
· **Limited quantities (LQ)**	5L
· **Excepted quantities (EQ)**	Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml
· **Transport category**	3
· **Tunnel restriction code**	E
· **IMDG**	
· **Limited quantities (LQ)**	5L
· **Excepted quantities (EQ)**	Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml
· **Remarks:**	For substances with class 3 according to IMDG-Code chapter 2.3.2.2 packing group is classified

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·	in packing group III, as viscosity is in accordance with requirements (flow time t > 100s).
· **UN "Model Regulation":**	UN 1133 ADHESIVES, 3, III

15 Regulatory information

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

· **Australian Inventory of Industrial Chemicals**	
78-93-3	Butanone
141-78-6	Ethyl acetate
108-87-2	Methylcyclohexane
9010-98-4	polychloroprene
67-64-1	Acetone
25085-50-1	p-tert-butylphenol formaldehyde resin
8001-78-3	Castor oil, hydrogenated
1309-48-4	Magnesium oxide
8050-09-7	Rosin
123-26-2	N,N'-ethane-1,2-diylbis(12-hydroxyoctadecan-1-amide)
14807-96-6	Talc (Mg3H2(SiO3)4)
7732-18-5	water, distilled, conductivity or of similar purity
1314-13-2	Zinc oxide
98-54-4	4-tert-butylphenol

· **Standard for the Uniform Scheduling of Medicines and Poisons**		
78-93-3	Butanone	S5
67-64-1	Acetone	S5

· **Australia: Priority Existing Chemicals**
None of the ingredients is listed.

· **GHS label elements**
The product is classified and labelled according to the Globally Harmonised System (GHS).
· **Hazard pictograms**



GHS02 GHS07

· **Signal word** Danger
· **Hazard statements**
H225 Highly flammable liquid and vapour.
H315 Causes skin irritation.
H319 Causes serious eye irritation.
H335 May cause respiratory irritation.

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H336 May cause drowsiness or dizziness.

· **Precautionary statements**

P101 If medical advice is needed, have product container or label at hand.
P102 Keep out of reach of children.
P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking.
P261 Avoid breathing vapours.
P370+P378 In case of fire: Use to extinguish: Water haze, Alcohol resistant foam, Fire-extinguishing powder, Carbon dioxide.
P403+P233 Store in a well-ventilated place. Keep container tightly closed.
P501 Dispose of contents/container in accordance with national regulations.

· **Directive 2012/18/EU**
· **Named dangerous substances - ANNEX I** None of the ingredients is listed.
· **Seveso category** P5c FLAMMABLE LIQUIDS
· **Qualifying quantity (tonnes) for the application of lower-tier requirements** 5000 t
· **Qualifying quantity (tonnes) for the application of upper-tier requirements** 50000 t
· **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

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.

· **Relevant phrases**
H225 Highly flammable liquid and vapour.
H304 May be fatal if swallowed and enters airways.
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H319 Causes serious eye irritation.
H335 May cause respiratory irritation.
H336 May cause drowsiness or dizziness.

· **Department issuing SDS:** PSRA
· **Contact:**
PSRA
PSRA
· **Abbreviations and acronyms:**
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
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)
VOC: Volatile Organic Compounds (USA, EU)
DNEL: Derived No-Effect Level (REACH)
PNEC: Predicted No-Effect Concentration (REACH)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative
Flammable liquids – Category 2: Flammable liquids – Category 2
Skin corrosion/irritation – Category 2: Skin corrosion/irritation – Category 2
Eye damage/irritation – Category 2A: Serious eye damage/eye irritation – Category 2A
Skin sensitisation – Category 1: Skin sensitisation – Category 1
Skin sensitisation – Category 1B: Skin sensitisation – Category 1B

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Specific target organ toxicity (single exposure) – Category 3: Specific target organ toxicity (single exposure) – Category 3
Aspiration hazard – Category 1: Aspiration hazard – Category 1

· *** Data compared to the previous version altered.**

AU