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THE PERFECT FINISH

Safety data sheet according to 1907/2006/EC, Article 31

Printing date 25.01.2017 Version number 2 Revision: 25.01.2017

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

- · 1.1 Product identifier
- · Trade name: PLASTI-KOTE® T&S BBQ 6UC 400 ML
- · Article number: 440.0026020.076
- · 1.2 Relevant identified uses of the substance or mixture and uses advised against
- · Sector of Use

SU21 Consumer uses: Private households / general public / consumers

SU22 Professional uses: Public domain (administration, education, entertainment, services, craftsmen)

- · Product category PC9a Coatings and paints, thinners, paint removers
- · Process category

PROC7 Industrial spraying

PROC11 Non industrial spraying

· Environmental release category

ERC8a Widespread use of non-reactive processing aid (no inclusion into or onto article, indoor)

ERC8d Widespread use of non-reactive processing aid (no inclusion into or onto article, outdoor)

- · Application of the substance / the mixture Spray varnish
- · 1.3 Details of the supplier of the safety data sheet
- · Manufacturer/Supplier:

MOTIP DUPLI B.V.

Wolfraamweg 2

NL-8471 XC Wolvega

Nederland

Tel: +31 (0)561 694400 Fax: +31 (0)561 694411 e-mail: info@nl.motipdupli.com

- · Further information obtainable from: Department Product Safety
- 1.4 Emergency telephone number: +31 (0)561-694400 (09:00h 17:00h)

SECTION 2: Hazards identification

- · 2.1 Classification of the substance or mixture
- · Classification according to Regulation (EC) No 1272/2008



GHS02 flame

Aerosol 1 H222-H229 Extremely flammable aerosol. Pressurised container: May burst if heated.



GHS09 environment

Aquatic Chronic 2 H411 Toxic to aquatic life with long lasting effects.



Skin Irrit. 2 H315 Causes skin irritation. Eye Irrit. 2 H319 Causes serious eye irritation.

STOT SE 3 H336 May cause drowsiness or dizziness.

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- · 2.2 Label elements
- · Labelling according to Regulation (EC) No 1272/2008

The product is classified and labelled according to the CLP regulation.

· Hazard pictograms







GHS02

GHS07

GHS09

- · Signal word Danger
- · Hazard-determining components of labelling:

Naphtha (petroleum), hydrotreated light

Solvent naphtha (petroleum), light arom.

butan-1-ol

Naphtha (petroleum), hydrotreated light

· Hazard statements

H222-H229 Extremely flammable aerosol. Pressurised container: May burst if heated.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H336 May cause drowsiness or dizziness.

H411 Toxic to aquatic life with long lasting effects.

· Precautionary statements

P102 Keep out of reach of children.

P260 Do not breathe spray.

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P251 Do not pierce or burn, even after use.

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

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

P501 Dispose of contents/container in accordance with local regulations.

- · 2.3 Other hazards
- · Results of PBT and vPvB assessment
- · **PBT**: Not applicable.
- · vPvB: Not applicable.

SECTION 3: Composition/information on ingredients

- · 3.2 Chemical characterisation: Mixtures
- · Description: Mixture of substances listed below with nonhazardous additions.

Dangerous components:		
EC number: 921-024-6 Reg.nr.: 01-2119475514-35	Naphtha (petroleum), hydrotreated light Flam. Liq. 2, H225 Asp. Tox. 1, H304 Aquatic Chronic 2, H411 Skin Irrit. 2, H315; STOT SE 3, H336	25-50%
CAS: 74-98-6 EINECS: 200-827-9 Index number: 601-003-00-5 Reg.nr.: 01-2119486944-21-xxxx	propane Flam. Gas 1, H220 Press. Gas C, H280	12.5-20%

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CAS: 106-97-8	butane	ntd. of pag 10-12.5
EINECS: 203-448-7	� Flam. Gas 1, H220 Press. Gas C, H280	
CAS: 75-28-5 EINECS: 200-857-2 Index number: 601-004-00-0 Reg.nr.: 01-2119485395-27-xxxx	isobutane Flam. Gas 1, H220 Press. Gas C, H280	10-12.5
CAS: 1330-20-7 EINECS: 215-535-7 Index number: 601-022-00-9 Reg.nr.: 01-2119488216-32-xxxx	xylene Flam. Liq. 3, H226 Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Irrit. 2, H315	5-10%
CAS: 12001-26-2 EC number: 601-648-2	Mica substance with a Community workplace exposure limit	5-10%
EC number: 918-668-5 Reg.nr.: 01-2119455851-35-xxxx	Solvent naphtha (petroleum), light arom. Flam. Liq. 3, H226 Asp. Tox. 1, H304 Aquatic Chronic 2, H411 STOT SE 3, H335-H336	2.5-5%
CAS: 1333-86-4 EINECS: 215-609-9 Reg.nr.: 01-2119384822-32-xxxx	Carbon black substance with a Community workplace exposure limit	1-2.5%
EINECS: 202-849-4 Index number: 601-023-00-4 Reg.nr.: 01-2119489370-35-xxxx	ethylbenzene Flam. Liq. 2, H225 STOT RE 2, H373; Asp. Tox. 1, H304 Acute Tox. 4, H332 Aquatic Chronic 3, H412	1-2.5%
L. L	Solvent naphtha (petroleum), hydrotreated light naphthenic Flam. Liq. 2, H225 Asp. Tox. 1, H304 Aquatic Chronic 2, H411	1-2.5%
CAS: 71-36-3 EINECS: 200-751-6 Index number: 603-004-00-6 Reg.nr.: 01-2119484630-38-xxxx	butan-1-ol Flam. Liq. 3, H226 Eye Dam. 1, H318 Acute Tox. 4, H302; Skin Irrit. 2, H315; STOT SE 3, H335-H336	1-2.5%
EC number: 931-254-9 Reg.nr.: 01-2119484651-34	Naphtha (petroleum), hydrotreated light Flam. Liq. 2, H225 Asp. Tox. 1, H304 Aquatic Chronic 2, H411 STOT SE 3, H336	1-2.5%
EC number: 927-510-4 Index number: 649-328-00-1 Reg.nr.: 01-2119475515-33	Naphtha (petroleum), hydrotreated light Flam. Liq. 2, H225 Asp. Tox. 1, H304 Aquatic Chronic 2, H411 Skin Irrit. 2, H315; STOT SE 3, H336	1-2.5%
CAS: 162303-51-7 NLP: 500-687-1	Polybutyl titanate Flam. Liq. 3, H226 Eye Dam. 1, H318 Skin Irrit. 2, H315	1-2.5%

FLINTS
Theatrical Chandlers

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SECTION 4: First aid measures

- · 4.1 Description of first aid measures
- · 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.
- · After swallowing: Drink plenty of water and provide fresh air. Call for a doctor immediately.
- · 4.2 Most important symptoms and effects, both acute and delayed No further relevant information available.
- 4.3 Indication of any immediate medical attention and special treatment needed No further relevant information available.

SECTION 5: Firefighting measures

- · 5.1 Extinguishing media
- · Suitable extinguishing agents: CO2, sand, extinguishing powder. Do not use water.
- · For safety reasons unsuitable extinguishing agents:

Water

Water with full jet

- 5.2 Special hazards arising from the substance or mixture No further relevant information available.
- · 5.3 Advice for firefighters
- · Protective equipment: No special measures required.

SECTION 6: Accidental release measures

· 6.1 Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation

Keep away from ignition sources.

· 6.2 Environmental precautions:

Do not allow product to reach sewage system or any water course.

Inform respective authorities in case of seepage into water course or sewage system.

Do not allow to enter sewers/ surface or ground water.

· 6.3 Methods and material for containment and cleaning up:

Ensure adequate ventilation.

Do not flush with water or aqueous cleansing agents

· 6.4 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.

SECTION 7: Handling and storage

- · 7.1 Precautions for safe handling Ensure good ventilation/exhaustion at the workplace.
- · Information about fire and explosion protection:

Do not spray onto a naked flame or any incandescent material.

Keep ignition sources away - Do not smoke.

Protect against electrostatic charges.

Pressurised container: protect from sunlight and do not expose to temperatures exceeding 50 °C, i.e. electric lights. Do not pierce or burn, even after use.

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

Store in a cool location.

Observe official regulations on storing packagings with pressurised containers.

- · Information about storage in one common storage facility: Not required.
- · Further information about storage conditions: Protect from heat and direct sunlight.

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 \cdot 7.3 *Specific end use*(s) *No further relevant information available.*

SECTION 8: Exposure controls/personal protection

- · Additional information about design of technical facilities: No further data; see item 7.
- · 8.1 Control parameters

· Inoredients w	ith limit values	that require	monitoring	at the workplace:
Ingreatents w	un unu vaiaes	mui require	monnoming	и те могкрисе.

106-97-8 butane

WEL Short-term value: 1810 mg/m³, 750 ppm Long-term value: 1450 mg/m³, 600 ppm

Carc (if more than 0.1% of buta-1.3-diene)

1330-20-7 xylene

WEL Short-term value: 441 mg/m³, 100 ppm Long-term value: 220 mg/m³, 50 ppm

Sk; BMGV

12001-26-2 Mica

WEL Long-term value: 10* 0.8** mg/m³ *total inhalable **respirable

1333-86-4 Carbon black

WEL Short-term value: 7 mg/m³
Long-term value: 3.5 mg/m³

100-41-4 ethylbenzene

WEL Short-term value: 552 mg/m³, 125 ppm

Long-term value: 441 mg/m³, 100 ppm

Sk

71-36-3 butan-1-ol

WEL Short-term value: 154 mg/m³, 50 ppm

Sk

· Ingredients with biological limit values:

1330-20-7 xylene

BMGV 650 mmol/mol creatinine

Medium: urine

Sampling time: post shift

Parameter: methyl hippuric acid

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

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 skin.

Avoid contact with the eyes and skin.

- · Respiratory protection: Not required.
- · Protection of hands:



The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.



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Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

· Material of gloves

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. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

· Penetration time of glove material

The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.

· Eye protection:



Tightly sealed goggles

SECTION 9:	Physical	and cl	hemical	properties

. 9 .	1	Information	on basi	c physical	and che	emical pro	perties

· General Information

· Appearance:

Form: Aerosol

Colour: Different according to colouring

· Odour: Solvent-like · Odour threshold: Not determined.

· pH-value: Not determined.

· Change in condition

Melting point/Melting range: Undetermined.

Boiling point/Boiling range: Not applicable, as aerosol.

<0 °C (<32 °F) · Flash point:

Not applicable, as aerosol.

· Flammability (solid, gaseous): Not applicable.

> 200 °C (> 392 °F) · Ignition temperature:

· Decomposition temperature: Not determined.

· Self-igniting: Product is not selfigniting.

· Danger of explosion: Product is not explosive. However, formation of explosive air/

vapour mixtures are possible.

· Explosion limits:

Lower: 0.6 Vol % 10.9 Vol % Upper:

3500 hPa (2625 mm Hg) · Vapour pressure at 20 °C (68 °F):

· Density at 20 °C (68 °F): 0.71324 g/cm³ (5.952 lbs/gal)

· Relative density Not determined. · Vapour density Not determined. · Evaporation rate Not applicable.

· Solubility in / Miscibility with

Not miscible or difficult to mix. water:

· Partition coefficient (n-octanol/water): Not determined.

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· Viscosity:		
Dynamic:	Not determined.	
Kinematic:	Not determined.	
· Solvent content:		
Organic solvents:	85.1 %	
· EU-VOC:	607.3 g/l	
· EU-VOC in %:	85.15 %	
· Solids content:	19.1 %	
· 9.2 Other information	No further relevant information available.	

SECTION 10: Stability and reactivity

- · 10.1 Reactivity No further relevant information available.
- · 10.2 Chemical stability
- · Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.
- · 10.3 Possibility of hazardous reactions No dangerous reactions known.
- · 10.4 Conditions to avoid No further relevant information available.
- · 10.5 Incompatible materials: No further relevant information available.
- · 10.6 Hazardous decomposition products: No dangerous decomposition products known.

SECTION 11: Toxicological information

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

LD/LC50 va	alues releva	nt for classification:
Naphtha (p	etroleum), h	nydrotreated light
Oral 1	LD50	>5840 mg/kg (rat)
Dermal 1	LD50	>2920 mg/kg (rabbit)
Inhalative I	LC50 / 4h	> 2 mg/l (rat)
106-97-8 bu	ıtane	
Inhalative 1	LC50 / 4 h	658000 mg/m3 (rat)
1330-20-7 x	ylene	
Oral 1	LD50	3523 mg/kg (rat)
Dermal 1	LD50	2000 mg/kg (rabbit)
Inhalative I	LC50 / 4 h	22.1 mg/m3 (rat)
Solvent nap	htha (petro	leum), light arom.
Oral 1	LD50	3592 mg/kg (rat) (OECD401)
Dermal 1	LD50	>3160 mg/kg (rab) (OECD402)
Inhalative 1	LC50 / 4 h	>6193 mg/m3 (rat)
1333-86-4	Carbon blac	k
Oral 1	LD50	10000 mg/kg (rat)
100-41-4 etl	hylbenzene	
Oral 1	LD50	3500 mg/kg (rat)
Dermal 1	LD50	17800 mg/kg (rabbit)
Solvent nap	htha (petro	leum), hydrotreated light naphthenic
Oral 1	LD50	>5000 mg/kg (rat)
Dermal 1	LD50	>2000 mg/kg (rab)
	LC50 / 4h	>20 mg/l (rat)



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71-36-3 bu	tan-1-ol	
Oral	LD50	2292 mg/kg (rat)
Dermal	LD50	3430 mg/kg (rabbit)
Inhalative	LC50 / 4 h	17.76 mg/m3 (rat)
Naphtha (j	petroleum), h	nydrotreated light
Oral	LD50	>5000 mg/kg (rat)
Dermal	LD50	>2600 mg/kg (rabbit)
Inhalative	LC50 / 4 h	>193 mg/m3 (rat)
Naphtha (j	petroleum), h	nydrotreated light
Oral	LD50	>5840 mg/kg (rat)
Dermal	LD50	>2920 mg/kg (rat)
Inhalative	LC50/4 h	>25200 mg/m3 (rat)
	LC50 / 96 h	2.5 mg/l (Leuciscus idus)

- · 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.
- · CMR effects (carcinogenity, mutagenicity and toxicity for reproduction)
- · Germ cell mutagenicity Based on available data, the classification criteria are not met.
- · Carcinogenicity Based on available data, the classification criteria are not met.
- · Reproductive toxicity Based on available data, the classification criteria are not met.
- · STOT-single exposure

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.

SECTION 12: Ecological information

· 12.1 Toxicity

· 12.1 Toxicii	y
· Aquatic tox	icity:
Naphtha (po	etroleum), hydrotreated light
EC50 / 48 h	3 mg/l (Daphnia magna)
EC50 / 72 h	30-100 mg/l (Pseudokirchneriella Subcapitata)
LC50 / 96 h	11.4 mg/l (fish)
1330-20-7 x	ylene
EC50 / 48 h	7.4 mg/l (daphnia magna)
LC50 / 96 h	13.5 mg/l (fish)
Solvent nap	htha (petroleum), light arom.
EC50 / 24 h	150 mg/l (daphnia magna)
EC50 / 48 h	7.4 mg/l (daphnia magna)
LC50 / 96 h	3.77 mg/l (fish)
71-36-3 but	an-1-ol
EC50 / 48 h	1328 mg/l (daphnia magna)
EC50 / 72 h	8500 mg/l (algae)
LC50 / 96 h	1376 mg/l (Pimephales promelas)
Naphtha (p	etroleum), hydrotreated light
LC50	127-159 mg/l (Leuciscus idus)
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Naphtha (petroleum), hydrotreated light

EC50 / 24 h | >10 mg/l (Daphnia magna)

>100 mg/l (fish)

LC50 / 48 h | 4924 mg/l (fish)

LC50 / 96 h | 2.5 mg/l (Pimephales promelas)

- · 12.2 Persistence and degradability No further relevant information available.
- · 12.3 Bioaccumulative potential No further relevant information available.
- · 12.4 Mobility in soil No further relevant information available.
- · Ecotoxical effects:
- · Remark: Toxic for fish
- · Additional ecological information:
- · General notes:

Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water

Do not allow product to reach ground water, water course or sewage system.

Danger to drinking water if even small quantities leak into the ground.

Also poisonous for fish and plankton in water bodies.

Toxic for aquatic organisms

- · 12.5 Results of PBT and vPvB assessment
- · **PBT**: Not applicable.
- · vPvB: Not applicable.
- · 12.6 Other adverse effects No further relevant information available.

SECTION 13: Disposal considerations

- · 13.1 Waste treatment methods
- · Recommendation

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

· European	waste	catal	logue
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08 01 11* waste paint and varnish containing organic solvents or other hazardous substances

15 01 04 metallic packaging

- · Uncleaned packaging:
- · Recommendation: Non contaminated packagings may be recycled.

SECTION 14: Transport information

· 14.1 UN-Number	
· ADR, IMDG, IATA	UN1950

· 14.2 UN proper shipping name

• ADR
1950 AEROSOLS, ENVIRONMENTALLY HAZARDOUS
• IMDG
AEROSOLS (Naphtha (petroleum), hydrotreated light,
Solvent naphtha (petroleum), light arom.), MARINE
POLLUTANT

· IATA AEROSOLS, flammable

· 14.3 Transport hazard class(es)

 $\cdot ADR$



· Class 2 5F Gases.

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· Label	(Contd. of pa
	2.1
· IMDG	
Class	2.1
· Label	2.1
· IATA	
Class Label	2.1 2.1
· 14.4 Packing group · ADR, IMDG, IATA	Void
14.5 Environmental hazards:	
· Marine pollutant: · Special marking (ADR):	Symbol (fish and tree) Symbol (fish and tree)
· 14.6 Special precautions for user · Danger code (Kemler):	Warning: Gases.
EMS Number: Stowage Code Segregation Code	F-D,S-U SW1 Protected from sources of heat. SW22 For AEROSOLS with a maximum capacity of 1 lit Category A. For AEROSOLS with a capacity above 1 lit Category B. For WASTE AEROSOLS: Category C, Clea of living quarters. SG69 For AEROSOLS with a maximum capacity of 1 lits Segregation as for class 9. Stow "separated from" class 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
· 14.7 Transport in bulk according to Anne Marpol and the IBC Code	x II of Not applicable.
Transport/Additional information:	
· ADR · Limited quantities (LQ) · Excepted quantities (EQ)	1L Code: E0 Not permitted as Excepted Quantity
· Transport category · Tunnel restriction code	Not permitted as Excepted Quantity 2 D
· $IMDG$ · $Limited$ quantities (LQ) · $Excepted$ quantities (EQ)	1L Code: E0 Not permitted as Excepted Quantity
UN "Model Regulation":	UN 1950 AEROSOLS, 2.1, ENVIRONMENTALLY HAZARDOUS

FLINTS

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SECTION 15: Regulatory information

- · 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
- · Directive 2012/18/EU
- · Named dangerous substances ANNEX I None of the ingredients is listed.
- · Seveso category

P3a FLAMMABLE AEROSOLS

E2 Hazardous to the Aquatic Environment

- Qualifying quantity (tonnes) for the application of lower-tier requirements 150 t
- Qualifying quantity (tonnes) for the application of upper-tier requirements 500 t
- · REGULATION (EC) No 1907/2006 ANNEX XVII Conditions of restriction: 57
- · 15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

SECTION 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

H220 Extremely flammable gas.

H225 Highly flammable liquid and vapour.

H226 Flammable liquid and vapour.

H280 Contains gas under pressure; may explode if heated.

H302 Harmful if swallowed.

H304 May be fatal if swallowed and enters airways.

H312 Harmful in contact with skin.

H315 Causes skin irritation.

H318 Causes serious eye damage.

H332 Harmful if inhaled.

H335 May cause respiratory irritation.

H336 May cause drowsiness or dizziness.

H373 May cause damage to organs through prolonged or repeated exposure.

H411 Toxic to aquatic life with long lasting effects.

H412 Harmful to aquatic life with long lasting effects.

· Abbreviations and acronyms:

ADR: Accord européen sur le transport 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

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

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)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

Flam. Gas 1: Flammable gases - Category 1

Aerosol 1: Aerosols - Category 1

Press. Gas C: Gases under pressure - Compressed gas

Flam. Liq. 2: Flammable liquids – Category 2

Flam. Liq. 3: Flammable liquids - Category 3

Acute Tox. 4: Acute toxicity – Category 4

Skin Irrit. 2: Skin corrosion/irritation – Category 2

Eye Dam. 1: Serious eye damage/eye irritation – Category 1

Eye Irrit. 2: Serious eye damage/eye irritation – Category 2

STOT SE 3: Specific target organ toxicity (single exposure) – Category 3

STOT RE 2: Specific target organ toxicity (repeated exposure) – Category 2

Asp. Tox. 1: Aspiration hazard - Category 1

Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard - Category 2

Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3

* Data compared to the previous version altered.