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Revision: 17.01.2023

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 23.01.2023

Version number 6 (replaces version 5)

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

- 1.1 Product identifier
- Trade name: STAINLESS HCR
- · Article number: 16040
- 1.2 Relevant identified uses of the substance or mixture and uses advised against

FOR PROFESSIONAL AND INDUSTRIAL USE ONLY

- · Application of the substance / the mixture Coating compound / Surface coating/ paint
- 1.3 Details of the supplier of the safety data sheet
- · Manufacturer/Supplier:

KENT (United Kingdom) Ltd Forsyth House

Pitreavie Drive

Pitreavie Business Park

Dunfermline

Fife

KY11 8US

Tel: +44 01383 723344 / 0800 136925 Monday - Thursday 8.30am - 5.30pm, Friday 9.00am - 3.00pm

Fax: +44 1383 620079 SDS@kenteurope.com

1.4 Emergency telephone number:

Tel: +44 01383 723344 During normal office hours - Monday - Thursday 8.30am - 5.30pm, Friday 9.00am - 3.00pm

SECTION 2: Hazards identification

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



Aerosol 1

H222 Extremely flammable aerosol.

H229 Pressurised container: May burst if heated.



Eye Irrit. 2 H319 Causes serious eye irritation.

STOT SE 3 H336 May cause drowsiness or dizziness.

- 2.2 Label elements
- · Labelling according to Regulation (EC) No 1272/2008 The product is classified and labelled according to the GB CLP regulation. · Hazard pictograms





GHS02

GHS07

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

Acetone

· Hazard statements

H222 Extremely flammable aerosol.

H229 Pressurised container: May burst if heated.

H319 Causes serious eye irritation.

H336 May cause drowsiness or dizziness.

Precautionary statements

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

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P211 Do not spray on an open flame or other ignition source. (Contd. of page 1)

P251 Do not pierce or burn, even after use.

P261 Avoid breathing mist/vapours/spray. P280 Wear eye protection / face protection.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.

Continue rinsina.

P337+P313 If eye irritation persists: Get medical advice/attention.

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.

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

SECTION 3: Composition/information on ingredients

· 3.2 Mixtures

Description: Mixture of the substances listed below with harmless additions.

Dangerous components	5:	
CAS: 67-64-1 EINECS: 200-662-2 Reg.nr.: 01-2119471330-49	Acetone ⑤ Flam. Liq. 2, H225; ⑥ Eye Irrit. 2, H319; STOT SE 3, H336, EUH066	10-25%
CAS: 74-98-6 EINECS: 200-827-9	Propane liquefied © Flam. Gas 1A, H220	10-25%
CAS: 110-19-0 EINECS: 203-745-1 Reg.nr.: 01-2119488971-22	isobutyl acetate † Flam. Liq. 2, H225; † STOT SE 3, H336, EUH066	5-15%
CAS: 106-97-8 EINECS: 203-448-7	butane The butane buta	5-15%
CAS: 123-86-4 EINECS: 204-658-1 Reg.nr.: 01-2119485493-29	n-butyl acetate Flam. Liq. 3, H226; STOT SE 3, H336, EUH066	5-15%
CAS: 65997-19-5	Stainless steel flake ••• STOT SE 3, H335	5-10%
CAS: 1330-20-7 EINECS: 215-535-7 Reg.nr.: 01-2119488216-32	Xylene, mixed isomers, pure ♦ Flam. Liq. 3, H226; ♦ Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Irrit. 2, H315	<5%
CAS: 78-93-3 EINECS: 201-159-0	butanone ♦ Flam. Liq. 2, H225; ♦ Eye Irrit. 2, H319; STOT SE 3, H336, EUH066	<5%
CAS: 64742-47-8 EINECS: 265-149-8 Reg.nr.: 01-2119484819-18	Distillates (petroleum), hydrotreated light Asp. Tox. 1, H304, EUH066	<3%

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

SECTION 4: First aid measures

- 4.1 Description of first aid measures
- · After inhalation Supply fresh air; consult doctor in case of symptoms.
- · After skin contact

Instantly wash with water and soap and rinse thoroughly.

Generally the product is not skin irritating.

- After eye contact Rinse opened eye for several minutes under running water. If symptoms persist, consult doctor.
- · After swallowing In case of persistent symptoms consult doctor.
- · 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, extinguishing powder or water haze. Fight larger fires with water haze or alcohol-resistant foam.

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- 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

Wear protective equipment. Keep unprotected persons away.

- 6.2 Environmental precautions: No special measures required.
- 6.3 Methods and material for containment and cleaning up:

Dispose of contaminated material as waste according to item 13.

Ensure adequate ventilation.

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 information on disposal.

SECTION 7: Handling and storage

- · 7.1 Precautions for safe handling Ensure good ventilation/exhaustion at the workplace.
- Information about protection against explosions and fires: Keep ignition sources away Do not smoke.
- 7.2 Conditions for safe storage, including any incompatibilities
- Storage
- Requirements to be met by storerooms and containers:

Observe official regulations on storing packagings with pressurised containers.

- · Information about storage in one common storage facility: Not required.
- · Further information about storage conditions: Keep container tightly sealed.
- · Storage class 2 B
- · 7.3 Specific end use(s) No further relevant information available.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Components with limit values that require monitoring at the workplace:			
67-64-1 Acetone			
WEL Short-term value: 3620 mg/m³, 1500 ppm Long-term value: 1210 mg/m³, 500 ppm			
110-19-0 isobutyl acetate			
WEL Short-term value: 903 mg/m³, 187 ppm Long-term value: 724 mg/m³, 150 ppm			
123-86-4 n-butyl acetate			
WEL Short-term value: 966 mg/m³, 200 ppm Long-term value: 724 mg/m³, 150 ppm			

Long-term value: /24 mg/m³, 150 pp

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

Sk; BMGV

Regulatory information WEL: EH40/2020

riogurati	Nogulatory morniadon WEE. En 140/2020			
DNELs	DNELs			
67-64-1 A	cetone			
Dermal	Long term systemic effect	186 mg/kg bw/day (Worker)		
Inhalative	Long term systemic effect	1,210 mg/m3 (Worker)		
	Acute local effect	2,420 mg/m3 (Worker)		
110-19-0 i	110-19-0 isobutyl acetate			
Dermal	Long term systemic effect	4.95 mg/kg (Worker)		
Inhalative	Long term systemic effect	243 mg/m3 (Worker)		

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122 06 1 1	hutul acatata	(Contd. of pag	
	n-butyl acetate	44 may llon buylalay (14/anl/an)	
	Acute systemic effect	11 mg/kg bw/day (Worker)	
		11 mg/kg bw/day (Worker)	
Inhalative	-		
	Acute local effect	600 mg/m³ (Worker)	
	Long term local effect	300 mg/m³ (Worker)	
	Acute systemic effect	600 mg/m³ (Worker)	
78-93-3 bu			
		1,161 mg/kg bw/dy (Worker)	
	Long term systemic effect	600 mg/m3 (Worker)	
	thylbenzene		
	Long term systemic effect		
	Acute local effect	293 mg/m³ (Worker)	
	Long term local effect	77 mg/m³ (Worker)	
PNECs			
67-64-1 Ac	cetone		
PNEC 10.	6 mg/l (Aqua (freshwater))		
21	mg/l (Aqua (intermittent))		
1.0	6 mg/l (Aqua (marine water	7))	
30.	4 mg/kg (Freshwater sedin	nent)	
3.0	4 mg/kg (Marine water sed	iment)	
29.	5 mg/kg (Soil)		
	sobutyl acetate		
PNEC 0.1	7 mg/l (Aqua (freshwater))		
0.8	77 mg/l (Freshwater sedim	ent)	
	17 mg/l (Marine water sedi		
	ng/l (Sewage treatment p	·	
	-butyl acetate	,	
	8 mg/l (Aqua (freshwater))		
	6 mg/ml (Aqua (intermittent	t))	
	118 mg/ml (Aqua (marine wa		
	81 mg/kg (Freshwater sedi		
	0.0981 mg/kg (Marine water sediment) 35.6 mg/l (Sewage treatment plant)		
	9 mg/kg (Soil)	•••••	
	thylbenzene		
	mg/l (Aqua (freshwater))		
	mg/l (Aqua (intermittent))		
	mg/l (Aqua (marine water))	1	
_	nts with biological limit		
	Xylene, mixed isomers, p	oure	
	0 mmol/mol creatinine		
IIVIE	Medium: urine Sampling time: post shift		
	mpling time: post shift		

- · Additional information: The lists that were valid during the compilation were used as basis.
- 8.2 Exposure controls
- · Appropriate engineering controls No further data; see item 7.
- Individual protection measures, such as personal protective equipment
- General protective and hygienic measures

Keep away from foodstuffs, beverages and food.

Take off immediately all contaminated clothing

Wash hands during breaks and at the end of the work. Avoid contact with the eyes.

Avoid contact with the eyes and skin.

Breathing equipment: Filter A2 / P3 (EN 14387)

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Hand protection



Protective gloves.

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

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

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.

Mixture is non-polar/aprotic.

Not miscible / difficult to mix

Penetration time of glove material

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

Eye/face protection



Safety glasses (EN 166)

Tightly sealed safety glasses. (EN 166)

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

· General Information

· Physical state Aerosol · Colour: Silver-coloured · Odour: Solvent-like Odour threshold: Not determined · Melting point/freezing point: Not determined

Boiling point or initial boiling point and boiling range

-42 °C · Flammability Not applicable. · Lower and upper explosion limit

· Lower: 1.7 Vol % Upper: 10.9 Vol % · Flash point: -20 °C Ignition temperature: 365 °C

Decomposition temperature: Not determined.

Viscosity: Kinematic viscosity Not determined.

· dynamic: Not determined. Solubility

· Partition coefficient n-octanol/water (log value) Not determined. · Vapour pressure: Not determined.

Density and/or relative density

Density at 20 °C 0.809 g/cm3 Relative density Not determined. · Vapour density Not determined.

9.2 Other information

· Appearance:

· pH

· Water:

· Form: Aerosol

· Important information on protection of health and

environment, and on safety.

Self-inflammability: Product is not selfigniting.

Explosive properties: Not determined.

Solvent content:

Organic solvents: 650 g/I VOC

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Change in condition	
Evaporation rate	Not applicable.
Information with regard to physical hazard clas	sses
Explosives	Void
Flammable gases	Void
Aerosols	Extremely flammable aerosol. Pressurised container: May burst if heated.
Oxidising gases	Void
Gases under pressure	Void
Flammable liquids	Void
Flammable solids	Void
Self-reactive substances and mixtures	Void
Pyrophoric liquids	Void
Pyrophoric solids	Void
Self-heating substances and mixtures	Void
Substances and mixtures, which emit flammab	le gases
in contact with water	Void
Oxidising liquids	Void
Oxidising solids	Void
Organic peroxides	Void
Corrosive to metals	Void
Desensitised explosives	Void

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 hazard classes as defined in Regulation (EC) No 1272/2008
- · Acute toxicity Based on available data, the classification criteria are not met.

67-64-1 A	Acetone	
Oral	LD50	5,800 mg/kg (Rat)
Dermal	LD50	20,000 mg/kg (Rabbit)
74-98-6 F	Propane liqu	uefied
	ErC 50	19.37 mg/l (Algae) (96 hr)
110-19-0	isobutyl ac	retate
Oral	LD50	4,763 mg/kg (rbt)
106-97-8	butane	
Inhalative	LC50 (4 hr	r) 658 mg/l (Rat)
	ErC 50	19.37 mg/l (Algae) (96 hr)
123-86-4	n-butyl ace	etate
Oral	LD50	14,000 mg/kg (Rat)
1330-20-	7 Xylene, m	ixed isomers, pure
Oral	LD50	4,300 mg/kg (Rat)
Dermal	LD50	2,000 mg/kg (rbt)
78-93-3 k	utanone	
Oral	LD50	3,300 mg/kg (Rat)
Dermal	LD50	5,000 mg/kg (Rabbit)

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64742-47	'-8 Distilla	ates (petroleum), hydrotreated light	
Oral	LD50	>5,000 mg/kg (Rat)	
Dermal	LD50	>5,000 mg/kg (Rabbit)	
100-41-4	Ethylbenz	zene	
Oral	LD50	3,500 mg/kg (Rat)	
Dermal	LD50	5,000 mg/kg (Rabbit)	
Serious	Serious eye damage/irritation Causes serious eye irritation.		

- STOT-single exposure May cause drowsiness or dizziness.
- 11.2 Information on other hazards
- · Endocrine disrupting properties

None of the ingredients is listed.

SECTION 12: Ecological information

12.1 Toxicity	/
· Aquatic toxic	ity:
67-64-1 Aceton	е
EC50	61,150 mg/l (Activated sludge) (30 mins)
EC50 (48 hr)	39 mg/l (Daphnia magna)
LC50 (96 hr)	8,300 mg/l (Fish)
	5,540 mg/l (Oncorhynchus mykiss)
NOEC (28 days) 2,212 mg/l (Daphnia magna)
74-98-6 Propan	ne liquefied
EC50 (48 hr)	69.43 mg/l (Daphnia magna)
LC50 (96 hr)	49.9 mg/l (Fish)
110-19-0 isobu	tyl acetate
EC50 (48 hr)	25 mg/l (Crustacea)
EC50 (72 hr)	370 mg/l (Pseudokirchneriella subcapitata)
LC50 (96 hr)	17 mg/l (Fish)
NOEC	23 mg/l (Daphnia magna) (OECD 211)
106-97-8 butan	e e
EC50 (48 hr)	69.43 mg/l (Daphnia magna)
LC50 (96 hr)	49.9 mg/l (Fish)
123-86-4 n-buty	vÎ acetate
EC50 (48 hr)	44 mg/l (Daphnia magna)
EC50 (72 hr)	674.7 mg/l (Desmodesmus subspicatus)
LC50 (48 hr)	44 mg/l (Daphnia magna)
LC50 (96 hr)	18 mg/l (Pimephales promelas)
NOEC (72 hr)	200 mg/l (Desmodesmus subspicatus)
1330-20-7 Xylei	ne, mixed isomers, pure
CE50	10 mg/l (Fish) (72h)
EC50 (48 hr)	7.4 mg/l (Daphnia magna)
LC50 (96 hr)	3.77-13.5 mg/l (Fish)
78-93-3 butano	
EC50 (48 hr)	308 mg/l (Daphnia magna)
LC50 (96 hr)	2,993 mg/l (Pimephales promelas)
100-41-4 Ethylb	
EC50	>100 mg/l (Daphnia magna)
LC50 (96 hr)	>10 mg/l (Fish)

- 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.
- 12.5 Results of PBT and vPvB assessment
- · PBT: Not applicable.
- · vPvB: Not applicable.

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- * 12.6 Endocrine disrupting properties The product does not contain substances with endocrine disrupting properties.
- 12.7 Other adverse effects
- 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 bodies or sewage system.

Danger to drinking water if even small quantities leak into soil.

SECTION 13: Disposal considerations

- 13.1 Waste treatment methods
- Recommendation Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

UN1950

- · Uncleaned packagings:
- · Recommendation: Disposal must be made according to official regulations.

SECTION 14:	Transport information

14.1 UN number or ID number	
· ADR, IMDG, IATA	

14.2 UN proper shipping name

· ADR

1950 AEROSOLS · IMDG AFROSOLS ·IATA AEROSOLS, flammable

14.3 Transport hazard class(es)

· ADR



·Class 2 5F Gases. ·Label 2.1

· IMDG, IATA



· Class 2.1 Gases. ·Label 2.1

· 14.4 Packing group

· ADR, IMDG, IATA Void

14.5 Environmental hazards: Not applicable.

14.6 Special precautions for user

Kemler Number:

· EMS Number: F-D.S-U

· Stowage Code SW1 Protected from sources of heat.

SW22 For AEROSOLS with a maximum capacity of 1 litre: Category A. For AEROSOLS with a capacity above 1 litre: Category B. For WASTE

AEROSOLS: Category C, Clear of living quarters.

Warning: Gases.

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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.
14.7 Maritime transport in bulk accordir	ng to IMO
instruments	Not applicable.
Transport/Additional information:	
· ADR	
· Limited quantities (LQ)	1L
Excepted quantities (EQ)	Code: E0 Not permitted as Excepted Quantity
Transport category	2
Tunnel restriction code	D
·IMDG	
Limited quantities (LQ)	1L
Excepted quantities (ÉQ)	Code: E0 Not permitted as Excepted Quantity
UN "Model Regulation":	UN 1950 AEROSOLS, 2.1

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
- · Qualifying quantity (tonnes) for the application of lower-tier requirements 150 t
- · Qualifying quantity (tonnes) for the application of upper-tier requirements 500 t
- · National regulations
- · Technical instructions (air):

Class	Share in %
NK	82.1

- · Water hazard class: Water hazard class 2 (Self-assessment): hazardous for water.
- 15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

These data are based on our present knowledge. However, they 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.
- H304 May be fatal if swallowed and enters airways.
- H312 Harmful in contact with skin.
- H315 Causes skin irritation.
- H319 Causes serious eye irritation.
- H332 Harmful if inhaled.
- H335 May cause respiratory irritation.
- H336 May cause drowsiness or dizziness.
- EUH066 Repeated exposure may cause skin dryness or cracking.
- · Department issuing data specification sheet: Environment protection department
- Abbreviations and acronyms:

ADR: 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

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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)
DNEL: Derived No-Effect Level (UK REACH)
PNEC: Predicted No-Effect Concentration (UK REACH)

PNEC: Predicted No-Effect Concentration (UK REACH)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
LD50: Lethal dose, 50 percent
PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative
Flam. Gas 1A: Flammable gases – Category 1A
Aerosol 1: Aerosols – Category 1
: Aerosols – Category 3
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 Irrit. 2: Scrious eye damage/eye irritation – Category 2
STOT SE 3: Specific target organ toxicity (single exposure) – Category 3
Asp. Tox. 1: Aspiration hazard – Category 1

**Data compared to the previous version altered Data compared to the previous version altered. * (Contd. of page 9)