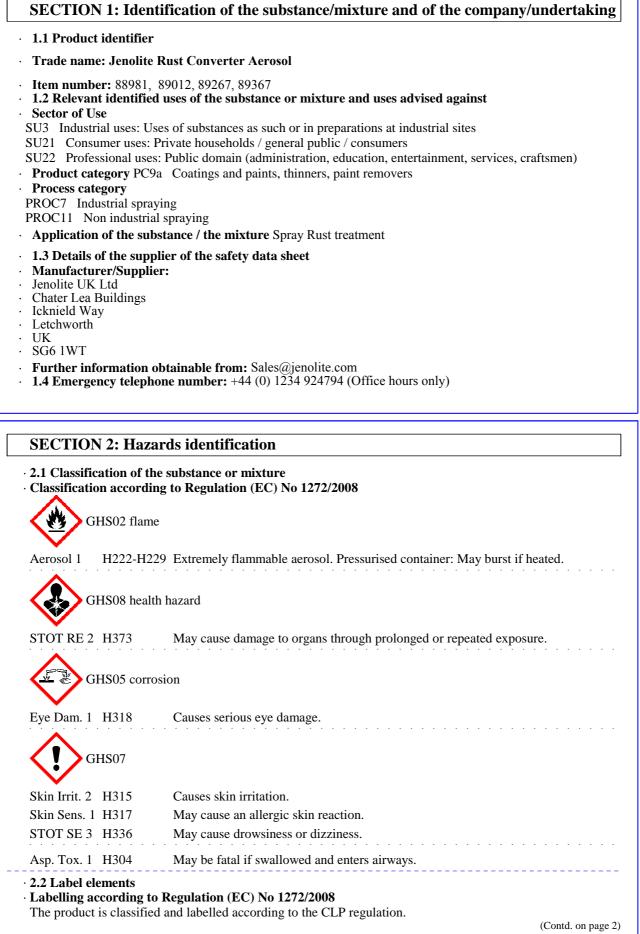
Printing date: 13.03.2017

jenolite

Version: 13

Revision: 13.03.2017



GB

Safety data sheet According to 1907/2006 EEC Article 31

Printing date: 13.03.2017

Version: 13

Revision: 13.03.2017

Trade name: Rustconvertor Aerosol / Anti-roest primer / Rostumwandler

(Contd. of page 1) · Hazard pictograms GHS07 GHS02 GHS05 GHS08 · Signal word Danger · Hazard-determining components of labelling: butanol xylene (mix) Acetone Phenol, 4,4'(1-methylethyldene)bis-polymer with 2,2'-[(1-methylethylidene)bis(4,1-phenylene oxymethylene)] bis[oxirane] Hazard statements H222-H229 Extremely flammable aerosol. Pressurised container: May burst if heated. H315 Causes skin irritation. Causes serious eye damage. H318 H317 May cause an allergic skin reaction. May cause drowsiness or dizziness. H336 H373 May cause damage to organs through prolonged or repeated exposure. · Precautionary statements If medical advice is needed, have product container or label at hand. P101 P102 Keep out of reach of children. P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not pierce or burn, even after use. P251 P260 Do not breathe spray. P211 Do not spray on an open flame or other ignition source. P280 Wear protective gloves / eye protection. P271 Use only outdoors or in a well-ventilated area. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing. IF ON SKIN: Wash with plenty of soap and water. P302+P352 P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F. P403 Store in a well-ventilated place. 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:** Active substance with propellant

· Dangerous components:		
CAS: 115-10-6	dimethyl ether	25-<50%
EINECS: 204-065-8	Flam. Gas 1, H220; Press. Gas C, H280	
Reg.nr.: 01-2119472128-37		
		ntd on nage 3)

Printing date: 13.03.2017

Version: 13

Revision: 13.03.2017

Trade name: Rustconvertor Aerosol / Anti-roest primer / Rostumwandler

	(C	ontd. of page 2)
CAS: 67-64-1 EINECS: 200-662-2 Reg.nr.: 01-2119471330-49	Acetone Flam. Liq. 2, H225; Eye Irrit. 2, H319; STOT SE 3, H336	10-<25%
CAS: 1330-20-7 EINECS: 215-535-7 Reg.nr.: 01-2119488216-32	xylene (mix) Flam. Liq. 3, H226; STOT RE 2, H373; Asp. Tox. 1, H304; Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319; STOT SE 3, H335	10-<25%
CAS: 67-63-0 EINECS: 200-661-7 Reg.nr.: 01-2119457558-25	propan-2-ol Flam. Liq. 2, H225; Eye Irrit. 2, H319; STOT SE 3, H336	2.5-<10%
CAS: 107-98-2 EINECS: 203-539-1 Reg.nr.: 01-2119457435-35	1-methoxy-2-propanol Flam. Liq. 3, H226; STOT SE 3, H336	2.5-<10%
CAS: 71-36-3 EINECS: 200-751-6 Reg.nr.: 01-2119484630-38	butanol Flam. Liq. 3, H226; Eye Dam. 1, H318; Acute Tox. 4, H302; Skin Irrit. 2, H315; STOT SE 3, H335-H336	2.5-<10%
CAS: 25036-25-3	Phenol, 4,4'(1-methylethyidene)bis-polymer with 2,2'-[(1- methylethylidene)bis(4,1-phenylene oxymethylene)] bis[oxirane] Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317	1.0-<2.5%
CAS: 78-83-1 EINECS: 201-148-0 Reg.nr.: 01-2119484609-23	butanol Flam. Liq. 3, H226; Eye Dam. 1, H318; Skin Irrit. 2, H315; STOT SE 3, H335-H336	0.1-<1%
· Additional information:		

SECTION 4: First aid measures

· 4.1 Description of first aid measures

· General information:

Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

· After inhalation:

Supply fresh air and to be sure call for a doctor.

- 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: Do not induce vomiting; call for medical help 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:
- Water haze

Fire-extinguishing powder

Carbon dioxide

Alcohol resistant foam

- · For safety reasons unsuitable extinguishing agents: Water with full jet
- 5.2 Special hazards arising from the substance or mixture No further relevant information available.

(Contd. on page 4)

Printing date: 13.03.2017

Version: 13

Revision: 13.03.2017

Trade name: Rustconvertor Aerosol / Anti-roest primer / Rostumwandler

· 5.3 Advice for firefighters

· Protective equipment: Mount respiratory protective device.

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: 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:** Dispose contaminated material as waste according to item 13. Ensure adequate ventilation.

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. Open and handle receptacle with care.

· 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:

Observe official regulations on storing packagings with pressurised containers.

- · Further information about storage conditions:
- Keep receptacle tightly sealed.

Do not seal receptacle gas tight.

Store in cool, dry conditions in well sealed receptacles.

Protect from heat and direct sunlight.

• 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

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

115-10-6 dimethyl ether

WEL Short-term value: 958 mg/m³, 500 ppm Long-term value: 766 mg/m³, 400 ppm

(Contd. on page 5)

(Contd. of page 3)

Printing date: 13.03.2017

Version: 13

Revision: 13.03.2017

Trade name: Rustconvertor Aerosol / Anti-roest primer / Rostumwandler

67-64-1 A	cetone		(Contd. of p
	rt-term value: 3620	mg/m^3 . 1	1500 ppm
	g-term value: 1210 mg/m ³ , 500 ppm		
1330-20-7	xylene (mix)		
	rt-term value: 441 mg/m ³ , 100 ppm		
	ng-term value: 220 mg/m ³ , 50 ppm BMGV		
67-63-0 pr			
-	rt-term value: 1250	mg/m ³ . 5	500 ppm
	g-term value: 999 m		
107-98-21	-methoxy-2-propa	nol	
	rt-term value: 560 n		
	g-term value: 375 m	$mg/m^3, 10$	00 ppm
Sk 71-36-3 bu	tonal		
		ng/m3 50	0.000
WEL Show	rt-term value: 154 n	1g/11 ⁶ , 30	o bhu
78-83-1 bu	ıtanol		
WEL Sho	rt-term value: 231 n	ng/m ³ , 75	5 ppm
	g-term value: 154 m		
DNELs			
67-64-1 A	cetone		
Oral	DNEL Long term-s	ystemic	62 mg/kg bw/day (Consumer)
Dermal	DNEL Long term-s	ystemic	62 mg/kg bw/day (Consumer)
			186 mg/kg bw/day (Worker)
Inhalative	DNEL Acute-local		2420 mg/m3 (Worker)
	DNEL Long term-s	ystemic	200 mg/m3 (Consumer)
			1210 mg/m3 (Worker)
67-63-0 pr	-		
Oral	Ũ	•	26 mg/kg bw/day (Consumer)
Dermal	DNEL Long term-s	ystemic	319 mg/kg bw/day (Consumer)
			888 mg/kg bw/day (Worker)
Inhalative	DNEL Long term-s	ystemic	89 mg/m3 (Consumer)
			500 mg/m3 (Worker)
71-36-3 bu			
Oral	-	•	3.125 mg/kg bw/day (Worker)
Inhalative	DNEL Long term-l	ocal	310 mg/m3 (Consumer)
			55 mg/m3 (Worker)
PNECs			
67-64-1 A		1.0.5	
PNEC Mar		L L	g/l (Undefind)
	reshwater sediment 30.4 mg		g/kg (Undefind)
	oil 29.5 mg		
PNEC Soil	l rine water sediment	-	g/kg (Undefind)

GB

Safety data sheet According to 1907/2006 EEC Article 31

Printing date: 13.03.2017

Version: 13

Revision: 13.03.2017

Trade name: Rustconvertor Aerosol / Anti-roest primer / Rostumwandler

	(Contd. of page 5
-	ients with biological limit values:
	0-7 xylene (mix)
BMGV	650 mmol/mol creatinine
	Medium: urine Sampling time: post shift
	Parameter: methyl hippuric acid
Additio	onal Occupational Exposure Limit Values for possible hazards during processing:
	-4 ethylbenzene
	Short-term value: 552 mg/m ³ , 125 ppm
	Long-term value: 441 mg/m ³ , 100 ppm
	Sk
108-88-	-3 toluene
WEL S	Short-term value: 384 mg/m ³ , 100 ppm
	Long-term value: 191 mg/m ³ , 50 ppm
S	Sk
Additio	onal information: The lists valid during the making were used as basis.
8.2 Exp	posure controls
	al protective equipment:
	Il protective and hygienic measures:
	way from foodstuffs, beverages and feed.
	ately remove all soiled and contaminated clothing ands before breaks and at the end of work.
	inhale gases / fumes / aerosols.
	contact with the eyes.
	contact with the eyes and skin.
	atory protection:
	of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure
Filter A	-contained respiratory protective device.
	table respiratory protective device in case of insufficient ventilation.
Filter A	
	tion of hands:
Wear gl	loves for the protection against chemicals according to EN 374
Im	
1115	Protective gloves
U	
Solvent	resistant gloves
	on of the glove material on consideration of the penetration times, rates of diffusion and the degradation
	al of gloves
	ection of the suitable gloves does not only depend on the material, but also on further marks of quality
	ies from manufacturer to manufacturer. As the product is a preparation of several substances, the ce of the glove material can not be calculated in advance and has therefore to be checked prior to the
applicat	
	rubber, NBR
	mended thickness of the material: $\geq 0.5 \text{ mm}$
	ation time of glove material
	tinuous contact we recommend gloves with breakthrough time of at least 240 minutes, with the
	nce given to a breakthrough time greater than 480 minutes. For short-term or splash guard we nend the same. We are aware that suitable gloves that offer this level of protection may not be available
	case, a shorter breakthrough time are acceptable as long as the procedures governing maintenance and
	replacement are followed. The thickness of the gloves is not a good measure of the resistance of the
	against a chemical substance, because this depends on the exact composition of the material from which
	ves are made.
	(Contd. on page 7

Printing date: 13.03.2017

Version: 13

Revision: 13.03.2017

Trade name: Rustconvertor Aerosol / Anti-roest primer / Rostumwandler

(Contd. of page 6) The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.

· Eye protection:

Safety glasses



*

Tightly sealed goggles

• Body protection: Use protective suit. (EN-13034/6)

9.1 Information on basic physical and c	hemical properties
General Information	
Appearance:	A 1
Form:	Aerosol
Colour:	Light brown Characteristic
Odour: Odour threshold:	Not determined.
pH-value at 20 °C:	2.5
Change in condition	
Melting point/freezing point:	Undetermined.
Initial boiling point and boiling range	:-24.9 °C
Flash point:	-42 °C
Flammability (solid, gas):	Not applicable.
Auto-ignition temperature:	Product is not selfigniting.
Explosive properties:	Product is not explosive. However, formation of explosive air/
	vapour mixtures are possible.
Explosion limits:	
Lower:	1.1 Vol %
Upper:	20.0 Vol %
Vapour pressure at 20 °C:	5200 hPa
Density at 20 °C:	0.8 g/cm ³
Relative density	Not determined.
Vapour density	Not determined.
Evaporation rate	Not applicable.
Solubility in / Miscibility with	
water:	Not miscible or difficult to mix.
Partition coefficient: n-octanol/water:	Not determined.
Viscosity:	
Dynamic:	Not determined.
Kinematic:	Not determined.
Solvent content:	
Organic solvents:	84.9 %
Water:	4.4 %
Solids content:	10.5 %
9.2 Other information	No further relevant information available.

(Contd. on page 8)

Printing date: 13.03.2017

Version: 13

Revision: 13.03.2017

Trade name: Rustconvertor Aerosol / Anti-roest primer / Rostumwandler

(Contd. of page 7)

SECTION 10: Stability and reactivity

- \cdot 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.
- \cdot 10.3 Possibility of hazardous reactions No dangerous reactions known.
- \cdot 10.4 Conditions to avoid No further relevant information available.
- \cdot 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 values relevant for classification:		
67-64-1 Acetone		
Oral	LD50	5800 mg/kg (rat)
Dermal	LD50	7800 mg/kg (rbt)
Inhalative	LC50/4h	>20 mg/l (rat)
1330-20-7 xylene (mix)		
Oral	LD50	4300 mg/kg (rat)
Dermal	LD50	2000 mg/kg (rbt)
67-63-0 pi	opan-2-ol	
Oral	LD50	5840 mg/kg (rat)
Dermal	LD50	13900 mg/kg (rabbit)
Inhalative	LC50/6h	25000 mg/m3 (rat)
71-36-3 butanol		
Oral	LD50	2292 mg/kg (rat)
Dermal	LD50	3430 mg/kg (rbt)
Inhalative	LC50/4 h	>17.76 mg/l (rat)
May cause CMR effe Germ cell Carcinoge Reproduc STOT-sin May cause STOT-rep	osion/irrita n irritation re damage/ ious eye da ry or skin an allergic cts (carcin mutagenic enicity Bas tive toxicit gle exposu drowsines beated exp damage to	Ation /irritation amage. sensitisation e skin reaction. ogenity, mutagenicity and toxicity for reproduction) city Based on available data, the classification criteria are not met. ed on available data, the classification criteria are not met. ty Based on available data, the classification criteria are not met. ty Based on available data, the classification criteria are not met. ty Based on available data, the classification criteria are not met. ty Based on available data, the classification criteria are not met. s or dizziness.

(Contd. on page 9)

Printing date: 13.03.2017

Version: 13

Revision: 13.03.2017

Trade name: Rustconvertor Aerosol / Anti-roest primer / Rostumwandler

(Contd. of page 8)

8 1330-20-7 xylene (LC50/96h 8	3800 mg/l (Daphnia magna) 3300 (96h) mg/l (Fish) (mix)
EC50 8 8 1330-20-7 xylene (LC50/96h 8	3300 (96h) mg/l (Fish)
8 1330-20-7 xylene (LC50/96h 8	3300 (96h) mg/l (Fish)
1330-20-7 xylene LC50/96h 8	
LC50/96h 8	(mix)
EC50/48h 3	3.9-16.4 mg/l (Pimephales promelas)
LC30/1011 3	3.2-9.5 mg/l (Daphnia magna)
67-63-0 propan-2-	-ol
LOEC (8 days) 1	1000 mg/l (algae)
LC50/96h 9	9640 mg/l (Pimephales promelas)
LC50 (24h) 9	9714 mg/l (Daphnia magna)
71-36-3 butanol	
NOEC (21 days) 4	4.1 mg/l (Daphnia magna)
LC50/96h 1	1376 mg/l (Pimephales promelas)
EC50/48h 1	1328 mg/l (Daphnia magna)
EC50 2	225 mg/l (Selenastrum capricornatum (72 h))
 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. 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. 12.5 Results of PBT and vPvB assessment PBT: Not applicable. vPvB: Not applicable. 12.6 Other adverse effects No further relevant information available. 	

1

• 13.1 Waste treatment methods

· Recommendation

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

· Uncleaned packaging:

• Recommendation: Disposal must be made according to official regulations.

· 14.1 UN-Number		
· ADR, ADN, IMDG, IATA	UN1950	
· 14.2 UN proper shipping name		
· ADR, ADN	UN1950 AEROSOLS	
· IMDG	AEROSOLS	
· IATA	AEROSOLS, flammable	

Printing date: 13.03.2017

Version: 13

Revision: 13.03.2017

14.3 Transport hazard class(es)	(Contd. of pa
ADR	
ADR	
Class	2 5F Gases.
Label	2.1
ADN ADN/D Classe	2.50
ADN/R Class:	2 5F
IMDG, IATA	
2	
Class	2.1
Label	2.1
14.4 Packing group	
ADR, IMDG, IATA	Void
14.5 Environmental hazards:	
Marine pollutant:	No
14.6 Special precautions for user	Warning: Gases.
Danger code (Kemler): EMS Number:	- F-D,S-U
Stowage Code	SW1 Protected from sources of heat.
Stowage Code	SW22 For AEROSOLS with a maximum capacity of 1
	litre: Category A. For AEROSOLS with a capacity abo
	1 litre: Category B. For WASTE AEROSOLS: Categor
Segregation Code	C, Clear of living quarters. SG69 For AEROSOLS with a maximum capacity of 1
Segregation Code	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 appropriat
	subdivision of class 2. For WASTE AEROSOLS:
	Segregation as for the appropriate subdivision of class
14.7 Transport in bulk according to And Marpol and the IBC Code	nex II of Not applicable.
-	Tot applicable.
Transport/Additional information:	
ADR Limited quantities (LO)	11
Limited quantities (LQ) Excepted quantities (EQ)	1L Code: E0
Excepted quantities (EQ)	Not permitted as Excepted Quantity
Transport category	2
Tunnel restriction code	D
IMDG	
Limited quantities (LQ)	
Excepted quantities (EQ)	Code: E0 Not permitted as Excepted Quantity
	Not permitted as Excepted Qualitity

Printing date: 13.03.2017

Version: 13

Revision: 13.03.2017

Trade name: Rustconvertor Aerosol / Anti-roest primer / Rostumwandler

(Contd. of page 10)

· UN "Model Regulation":

UN 1950 AEROSOLS, 2.1

SECTION 15: Regulatory information

 \cdot 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
- REGULATION (EC) No 1907/2006 ANNEX XVII Conditions of restriction: 3
- · National regulations:

Class	Share in %
Wasser	2.5-<10
NK	75-<100

- · VOC-CH 85.00 %
- · VOC-EU 676.0 g/l
- · Danish MAL Code 4-5
- · 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.

H317 May cause an allergic skin reaction.

- H318 Causes serious eye damage.
- H319 Causes serious eye irritation.
- 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.

· 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)

MAL-Code: Måleteknisk Arbejdshygiejnisk Luftbehov (Regulation for the labeling concerning inhalation hazards, Denmark)

DNEL: Derived No-Effect Level (REACH)

PNEC: Predicted No-Effect Concentration (REACH)

LC50: Lethal concentration, 50 percent LD50: Lethal dose, 50 percent

(Contd. on page 12)

GB

Printing date: 13.03.2017

Version: 13

Revision: 13.03.2017

(Contd. of page 11)

Trade name: Rustconvertor Aerosol / Anti-roest primer / Rostumwandler

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
Skin Sens. 1: Skin sensitisation – Category 1
STOT SE 3: Specific target organ toxicity (repeated exposure) – Category 2
Asp. Tox. 1: Aspiration hazard – Category 1
* Data compared to the previous version altered. *