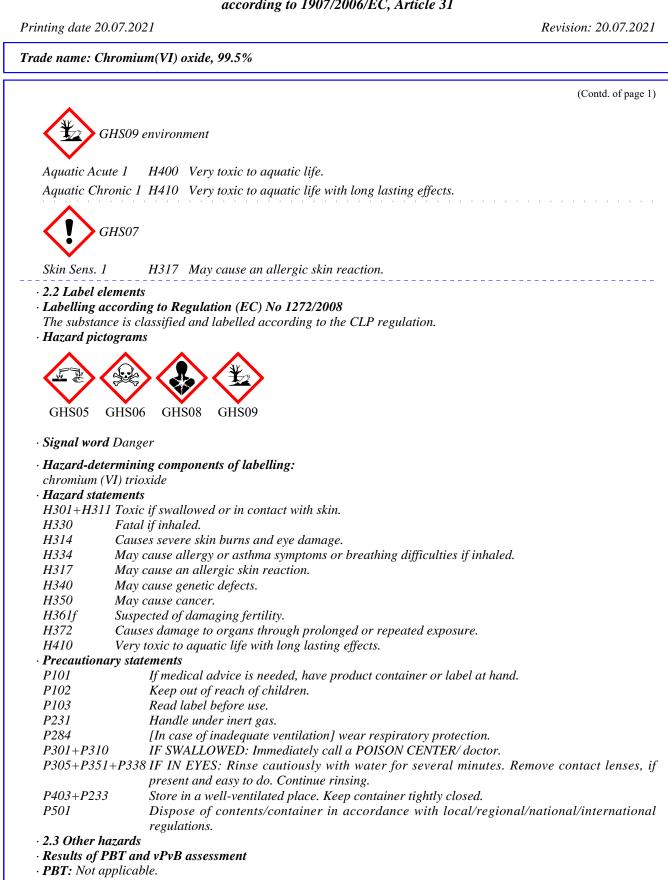
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CHEMICALS, INC.

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SECTION 1:	
	Identification of the substance/mixture and of the company/undertaking
· 1.1 Product iden	ntifier
· Trade name: <u>Ch</u>	promium(VI) oxide, 99.5%
• Item number: 9.	3-2443
• CAS Number: 1333-82-0	
• EC number:	
215-607-8	
• Index number: 024-001-00-0	
	ntified uses of the substance or mixture and uses advised against
	ant information available.
· 1.3 Details of th	e supplier of the safety data sheet
· Manufacturer/S	
Strem Chemicals 7 Mulliken Way	s, <i>Inc</i> .
NEWBURYPOR	Т, МА 01950
USA	
info@strem.com	
	ution obtainable from: Technical Department t elephone number:
	CHEMTREC: + 1 (800) 424-9300
	opening times: +1 (978) 499-1600
SECTION 2:	Hazards identification
	* *
· 2.1 Classificatio	Hazards identification n of the substance or mixture ccording to Regulation (EC) No 1272/2008
• 2.1 Classificatio • Classification ad	n of the substance or mixture ccording to Regulation (EC) No 1272/2008
· 2.1 Classificatio · Classification ad	n of the substance or mixture
• 2.1 Classificatio • Classification ad	n of the substance or mixture ccording to Regulation (EC) No 1272/2008 66 skull and crossbones
• 2.1 Classification • Classification ad GHSO Acute Tox. 3	n of the substance or mixture ccording to Regulation (EC) No 1272/2008 66 skull and crossbones H301 Toxic if swallowed.
• 2.1 Classification • Classification ad GHSO Acute Tox. 3 Acute Tox. 3	n of the substance or mixture ccording to Regulation (EC) No 1272/2008 66 skull and crossbones H301 Toxic if swallowed. H311 Toxic in contact with skin.
• 2.1 Classification • Classification ad GHSO Acute Tox. 3	n of the substance or mixture ccording to Regulation (EC) No 1272/2008 66 skull and crossbones H301 Toxic if swallowed.
• 2.1 Classification Classification and GHSO Acute Tox. 3 Acute Tox. 3 Acute Tox. 2	n of the substance or mixture ccording to Regulation (EC) No 1272/2008 66 skull and crossbones H301 Toxic if swallowed. H311 Toxic in contact with skin. H330 Fatal if inhaled.
• 2.1 Classification Classification and GHSO Acute Tox. 3 Acute Tox. 3 Acute Tox. 2	n of the substance or mixture ccording to Regulation (EC) No 1272/2008 66 skull and crossbones H301 Toxic if swallowed. H311 Toxic in contact with skin.
2.1 Classification Classification and GHSO Acute Tox. 3 Acute Tox. 3 Acute Tox. 2	n of the substance or mixture ccording to Regulation (EC) No 1272/2008 66 skull and crossbones H301 Toxic if swallowed. H311 Toxic in contact with skin. H330 Fatal if inhaled. 18 health hazard
2.1 Classification Classification and GHSO Acute Tox. 3 Acute Tox. 3 Acute Tox. 2	n of the substance or mixture ccording to Regulation (EC) No 1272/2008 66 skull and crossbones H301 Toxic if swallowed. H311 Toxic in contact with skin. H330 Fatal if inhaled. 18 health hazard H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.
 2.1 Classification and Classification and Classification and GHSO Acute Tox. 3 Acute Tox. 3 Acute Tox. 2 GHSO Resp. Sens. 1 	n of the substance or mixture ccording to Regulation (EC) No 1272/2008 66 skull and crossbones H301 Toxic if swallowed. H311 Toxic in contact with skin. H330 Fatal if inhaled. 18 health hazard H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled. H340 May cause genetic defects.
 2.1 Classification Classification and GHSO Acute Tox. 3 Acute Tox. 3 Acute Tox. 2 GHSO Resp. Sens. 1 Muta. 1B 	n of the substance or mixture ccording to Regulation (EC) No 1272/2008 66 skull and crossbones H301 Toxic if swallowed. H311 Toxic in contact with skin. H330 Fatal if inhaled. 18 health hazard H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.
2.1 Classification Classification and Classification and GHSO Acute Tox. 3 Acute Tox. 3 Acute Tox. 2 Coro GHSO Resp. Sens. 1 Muta. 1B Carc. 1A	n of the substance or mixture coording to Regulation (EC) No 1272/2008 66 skull and crossbones H301 Toxic if swallowed. H311 Toxic in contact with skin. H330 Fatal if inhaled. 18 health hazard 18 health hazard H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled. H340 May cause genetic defects. H350 May cause cancer.
 2.1 Classification and Classification and	n of the substance or mixture coording to Regulation (EC) No 1272/2008 66 skull and crossbones H301 Toxic if swallowed. H311 Toxic in contact with skin. H330 Fatal if inhaled. 18 health hazard 18 health hazard H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled. H340 May cause genetic defects. H350 May cause cancer. H361f Suspected of damaging fertility.
2.1 Classification Classification and Classification and GHSO Acute Tox. 3 Acute Tox. 3 Acute Tox. 2 GHSO Resp. Sens. 1 Muta. 1B Carc. 1A Repr. 2 STOT RE 1	n of the substance or mixture coording to Regulation (EC) No 1272/2008 66 skull and crossbones H301 Toxic if swallowed. H311 Toxic in contact with skin. H330 Fatal if inhaled. 18 health hazard 18 health hazard H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled. H340 May cause genetic defects. H350 May cause cancer. H361f Suspected of damaging fertility.
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 2.1 Classification and Classification and	n of the substance or mixture coording to Regulation (EC) No 1272/2008 66 skull and crossbones H301 Toxic if swallowed. H311 Toxic in contact with skin. H330 Fatal if inhaled. 18 health hazard H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled. H340 May cause genetic defects. H350 May cause cancer. H361f Suspected of damaging fertility. H372 Causes damage to organs through prolonged or repeated exposure.



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• **vPvB:** Not applicable.

SECTION 3: Composition/information on ingredients

- · 3.1 Chemical characterisation: Substances
- · CAS No. Description
- 1333-82-0 chromium (VI) trioxide
- Identification number(s)
- EC number: 215-607-8
- Index number: 024-001-00-0

· SVHC

1333-82-0 chromium (VI) trioxide

SECTION 4: First aid measures

• 4.1 Description of first aid measures

- · General information:
- Immediately remove any clothing soiled by the product.

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

Remove breathing equipment only after contaminated clothing have been completely removed.

In case of irregular breathing or respiratory arrest provide artificial respiration.

• After inhalation:

Supply fresh air or oxygen; call for 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. Then consult a doctor.
- After swallowing:

Do not induce vomiting; call for medical help immediately.

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: Use fire extinguishing methods suitable to surrounding conditions.

 \cdot 5.2 Special hazards arising from the substance or mixture

- During heating or in case of fire poisonous gases are produced.
- · 5.3 Advice for firefighters
- · Protective equipment: Mouth respiratory protective device.

SECTION 6: Accidental release measures

• 6.1 Personal precautions, protective equipment and emergency procedures Mount respiratory protective device.

Wear protective equipment. Keep unprotected persons away.

• 6.2 Environmental precautions: Do not allow product to reach sewage system or any water course.

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Inform respective authorities in case of seepage into water course or sewage system. • 6.3 Methods and material for containment and cleaning up:

Use neutralising agent.

Dispose 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 disposal information.

SECTION 7: Handling and storage

· 7.1 Precautions for safe handling

Thorough dedusting.

Ensure good ventilation/exhaustion at the workplace.

Open and handle receptacle with care.

· Information about fire - and explosion protection: Keep respiratory protective device available.

- · 7.2 Conditions for safe storage, including any incompatibilities
- · Storage:
- Requirements to be met by storerooms and receptacles: No special requirements.
- · Information about storage in one common storage facility: Not required.
- \cdot Further information about storage conditions:

Keep container tightly sealed. Store in cool, dry conditions in well sealed receptacles.

• 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:

1333-82-0 chromium (VI) trioxide

WEL Long-term value: 0.05 mg/m³ as Cr; Carc, Sen, BMGV

· Ingredients with biological limit values:

1333-82-0 chromium (VI) trioxide

BMGV 10 µmol/mol creatinine Medium: urine Sampling time: post shift Parameter: chromium

• 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.

Store protective clothing separately.

Avoid contact with the eyes and skin.

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Trade name: Chromium(VI) oxide, 99.5%

· Respiratory protection:

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.

• Protection of hands:



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.

· 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 protection:



Tightly sealed goggles

 9.1 Information on basic physical and ch General Information 	hemical properties	
· Appearance:		
Form:	Crystalline	
Colour:	Red	
· Odour:	Odourless	
• Odour threshold:	Not determined.	
· pH-value:	Not applicable.	
· Change in condition		
Melting point/freezing point:	196 °C	
Initial boiling point and boiling range:	Undetermined.	
· Flash point:	Not applicable.	
· Flammability (solid, gas):	Not determined.	
· Ignition temperature:		
Decomposition temperature:	Not determined.	
• Auto-ignition temperature:	Not determined.	
· Explosive properties:	Product does not present an explosion hazard.	
· Explosion limits:		
Lower:	Not determined.	
Upper:	Not determined.	
· Vapour pressure:	Not applicable.	
· Density at 20 •C:	2.7 g/cm ³	
· Bulk density at 20 °C:	900 kg/m ³	
· Relative density	Not determined.	
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		(Contd. of page
· Vapour density	Not applicable.	
· Evaporation rate	Not applicable.	
· Solubility in / Miscibility with		
water at 20 °C:	1660 g/l	
· Partition coefficient: n-octanol/water:	Not determined.	
· Viscosity:		
Dynamic:	Not applicable.	
Kinematic:	Not applicable.	
· Solvent content:		
Organic solvents:	0.0 %	
VOC (EC)	0.00 %	
Solids content:	100.0 %	
· 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 Toxic if swallowed or in contact with skin.
- Fatal if inhaled.

· LD/LC50 values relevant for classification:

1333-82-0 chromium (VI) trioxide

Oral LD50 80 mg/kg (rat)

· Primary irritant effect:

- · Skin corrosion/irritation
- Causes severe skin burns and eye damage.
- \cdot Serious eye damage/irritation
- Causes severe skin burns and eye damage.
- *Respiratory or skin sensitisation May cause allergy or asthma symptoms or breathing difficulties if inhaled.*
- May cause an allergic skin reaction.
- · CMR effects (carcinogenity, mutagenicity and toxicity for reproduction)
- Germ cell mutagenicity May cause genetic defects.
- Carcinogenicity
- May cause cancer.
- **Reproductive toxicity** Suspected of damaging fertility.

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- $\cdot \textit{STOT-single exposure Based on available data, the classification criteria are not met.}$
- · STOT-repeated exposure
- Causes damage to organs through prolonged or repeated exposure.
- Aspiration hazard Based on available data, the classification criteria are not met.

SECTION 12: Ecological information

- · 12.1 Toxicity
- · Aquatic toxicity: No further relevant information available.
- · 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:** Very toxic for fish
- · Additional ecological information:
- · General notes:
- Must not reach sewage water or drainage ditch undiluted or unneutralised.
- Also poisonous for fish and plankton in water bodies.
- Very 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.

· Uncleaned packaging:

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

· 14.1 UN-Number · ADR, IMDG, IATA	UN1463	
· · ·	0111105	
· 14.2 UN proper shipping name · ADR	1463 CHROMIUM TRIOXIDE, ANHYDROUS	
· IMDG, IATA	CHROMIUM TRIOXIDE, ANHYDROUS	
· 14.3 Transport hazard class(es)		
-		
$\cdot ADR$		
· Class	5	

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Label	5.1+6.1+8
IMDG	
Class Label	5.1 Oxidising substances. 5.1/6.1/8
IATA	
Class Label	5.1 Oxidising substances. 5.1 (6.1, 8)
14.4 Packing group ADR, IMDG, IATA	II
14.5 Environmental hazards: Marine pollutant:	No
14.6 Special precautions for user Danger code (Kemler): Stowage Category Segregation Code	Not applicable. 568 A SG6 Segregation as for class 5.1 SG16 Stow "separated from" class 4.1 SG19 Stow "separated from" class 7
14.7 Transport in bulk according to Ann Marpol and the IBC Code	ex II of Not applicable.
Transport/Additional information:	
ADR Limited quantities (LQ) Excepted quantities (EQ)	l kg Code: E2 Maximum net quantity per inner packaging: 30 g Maximum net quantity per outer packaging: 500 g
Transport category Tunnel restriction code	2 E
IMDG Limited quantities (LQ) Excepted quantities (EQ)	l kg Code: E2 Maximum net quantity per inner packaging: 30 g Maximum net quantity per outer packaging: 500 g
UN "Model Regulation":	UN 1463 CHROMIUM TRIOXIDE, ANHYDROUS, 5 (6.1+8), II

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· 15.1 Safety	, health and environmental regulations/legislation specific for the substance or mixture
· Directive 2	012/18/FU
20.000000	gerous substances - ANNEX I Substance is not listed.
· Seveso cate	
H2 ACUT	
E1 Hazard	lous to the Aquatic Environment
	quantity (tonnes) for the application of lower-tier requirements 50 t
· Qualifying	<i>quantity (tonnes) for the application of upper-tier requirements</i> 200 <i>t</i>
· LIST OF S	UBSTANCES SUBJECT TO AUTHORISATION (ANNEX XIV)
1333-82-0	chromium (VI) trioxide
· REGULAT	ION (EC) No 1907/2006 ANNEX XVII Conditions of restriction: 28, 29, 47
· National re	gulations:
	classification according to Decree on Hazardous Materials, Annex II:
	nic hazardous material group I (extremely dangerous).
	nic hazardous material group II (very dangerous).
Carcinogen	ic hazardous material group III (dangerous).
· Informatio	n about limitation of use:
	e not allowed to be exposed to this hazardous material. Exceptions can be made by the authorities
certain case	es.
• Other regu	lations, limitations and prohibitive regulations
	of very high concern (SVHC) according to REACH, Article 57
	chromium (VI) trioxide
	ical safety assessment: A Chemical Safety Assessment has not been carried out.
SECTIO	
SECTIO This inform	ical safety assessment: A Chemical Safety Assessment has not been carried out. N 16: Other information
SECTIO This inform specific pro	ical safety assessment: A Chemical Safety Assessment has not been carried out. N 16: Other information nation is based on our present knowledge. However, this shall not constitute a guarantee for a oduct features and shall not establish a legally valid contractual relationship.
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SECTION This inform specific pro Departmen Contact: Te Abbreviatio	ical safety assessment: A Chemical Safety Assessment has not been carried out. N 16: Other information nation is based on our present knowledge. However, this shall not constitute a guarantee for a oduct features and shall not establish a legally valid contractual relationship. t issuing SDS: Technical Department. echnical Director ons and acronyms:
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SECTION This inform specific pro Departmen Contact: Te Abbreviatio ADR: Accord Carriage of D. IMDG: Interna GHS: Globall	ical safety assessment: A Chemical Safety Assessment has not been carried out. N 16: Other information nation is based on our present knowledge. However, this shall not constitute a guarantee for a oduct features and shall not establish a legally valid contractual relationship. t issuing SDS: Technical Department. echnical Director ons and acronyms: européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the Internatio angerous Goods by Road) ational Maritime Code for Dangerous Goods tional Air Transport Association y Harmonised System of Classification and Labelling of Chemicals
SECTION This inform specific pro Departmen Contact: Te Abbreviation ADR: Accord Carriage of D IMDG: Internat GHS: Globall EINECS: Eurc	ical safety assessment: A Chemical Safety Assessment has not been carried out. N 16: Other information nation is based on our present knowledge. However, this shall not constitute a guarantee for a oduct features and shall not establish a legally valid contractual relationship. t issuing SDS: Technical Department. ecchnical Director ons and acronyms: européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the Internatio angerous Goods by Road) ational Maritime Code for Dangerous Goods tional Air Transport Association y Harmonised System of Classification and Labelling of Chemicals opean Inventory of Existing Commercial Chemical Substances
SECTION This inform specific pro Departmen Contact: Te Abbreviation ADR: Accord Carriage of D IMDG: Internat GHS: Globall EINECS: Euro CAS: Chemico	ical safety assessment: A Chemical Safety Assessment has not been carried out. N 16: Other information nation is based on our present knowledge. However, this shall not constitute a guarantee for a oduct features and shall not establish a legally valid contractual relationship. t issuing SDS: Technical Department. echnical Director ons and acronyms: européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the Internatio angerous Goods by Road) ational Maritime Code for Dangerous Goods tional Air Transport Association y Harmonised System of Classification and Labelling of Chemicals
SECTION This inform specific pro Departmen Contact: Te Abbreviatio ADR: Accord Carriage of D IMDG: Interna IATA: Internal GHS: Globall EINECS: Euro CAS: Chemica VOC: Volatile LC50: Lethal	ical safety assessment: A Chemical Safety Assessment has not been carried out. N 16: Other information mation is based on our present knowledge. However, this shall not constitute a guarantee for a oduct features and shall not establish a legally valid contractual relationship. t issuing SDS: Technical Department. echnical Director ons and acronyms: européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the Internatio angerous Goods by Road) ational Air Transport Association by Harmonised System of Classification and Labelling of Chemicals opean Inventory of Existing Commercial Chemical Substances ul Abstracts Service (division of the American Chemical Society) Organic Compounds (USA, EU) concentration, 50 percent
SECTION This inform specific pro Departmen Contact: Te Abbreviatio ADR: Accord Carriage of D IMDG: Interna GHS: Globally EINECS: Interna GHS: Chemica VOC: Volatile LC50: Lethal LD50: Lethal	ical safety assessment: A Chemical Safety Assessment has not been carried out. N 16: Other information nation is based on our present knowledge. However, this shall not constitute a guarantee for a oduct features and shall not establish a legally valid contractual relationship. t issuing SDS: Technical Department. echnical Director ons and acronyms: européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the Internation angerous Goods by Road) ational Maritime Code for Dangerous Goods tional Air Transport Association y Harmonised System of Classification and Labelling of Chemicals pean Inventory of Existing Commercial Chemical Substances ul Abstracts Service (division of the American Chemical Society) Organic Compounds (USA, EU) concentration, 50 percent dose, 50 percent
SECTION This inform specific pro Departmen Contact: Te Abbreviatio ADR: Accord Carriage of D IMDG: Interna GHS: Globally EINECS: Euro CAS: Chemica VOC: Volatile LC50: Lethal LD50: Lethal PBT: Persister	ical safety assessment: A Chemical Safety Assessment has not been carried out. N 16: Other information nation is based on our present knowledge. However, this shall not constitute a guarantee for a duct features and shall not establish a legally valid contractual relationship. t issuing SDS: Technical Department. echnical Director ons and acronyms: européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the Internation angerous Goods by Road) ational Maritime Code for Dangerous Goods tional Air Transport Association y Harmonised System of Classification and Labelling of Chemicals pean Inventory of Existing Commercial Chemical Substances ul Abstracts Service (division of the American Chemical Society) Organic Compounds (USA, EU) concentration, 50 percent dose, 50 percent nt, Bioaccumulative and Toxic
SECTION This inform specific pro Departmen Contact: Te Abbreviatio ADR: Accord Carriage of D IMDG: Interna GHS: Globally EINECS: Euro CAS: Chemica VOC: Volatile LC50: Lethal PBT: Persisten SVHC: Substa vPvB: very Pe	ical safety assessment: A Chemical Safety Assessment has not been carried out. N 16: Other information mation is based on our present knowledge. However, this shall not constitute a guarantee for a oduct features and shall not establish a legally valid contractual relationship. t issuing SDS: Technical Department. echnical Director ons and acronyms: européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the Internation anigonus Goods by Road) ational Maritime Code for Dangerous Goods tional Air Transport Association by Harmonised System of Classification and Labelling of Chemicals ppean Inventory of Existing Commercial Chemical Substances ul Abstracts Service (division of the American Chemical Society) Organic Compounds (USA, EU) concentration, 50 percent at, Bioaccumulative and Toxic neces of Very High Concern rsistent and very Bioaccumulative
SECTION This inform specific pro Departmen Contact: Te Abbreviation ADR: Accord Carriage of DI IMDG: Interna GHS: Globall EINECS: Euro CAS: Chemica VOC: Volatile LC50: Lethal PBT: Persister SVHC: Substa vPvB: very Pe Acute Tox. 3: 2	ical safety assessment: A Chemical Safety Assessment has not been carried out. N 16: Other information mation is based on our present knowledge. However, this shall not constitute a guarantee for a oduct features and shall not establish a legally valid contractual relationship. t issuing SDS: Technical Department. echnical Director ons and acronyms: 'européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the Internatio angerous Goods by Road) ational Maritime Code for Dangerous Goods tional Air Transport Association y Harmonised System of Classification and Labelling of Chemicals opean Inventory of Existing Commercial Chemical Substances al Abstracts Service (division of the American Chemical Society) Organic Compounds (USA, EU) concentration, 50 percent dose, 50 percent nt, Bioaccumulative and Toxic nces of Very High Concern risistent and very Bioaccumulative Acute toxicity – Category 3
SECTION This inform specific pro Departmen Contact: Te Abbreviation ADR: Accord Carriage of DI IMDG: Internat GHS: Globall EINECS: Euro CAS: Chemica VOC: Volatile LC50: Lethal I LD50: Lethal I PBT: Persister SVHC: Substa vPvB: very Pe Acute Tox. 3: 1 Acute Tox. 2: 1	ical safety assessment: A Chemical Safety Assessment has not been carried out. N 16: Other information mation is based on our present knowledge. However, this shall not constitute a guarantee for a oduct features and shall not establish a legally valid contractual relationship. t issuing SDS: Technical Department. echnical Director ons and acronyms: européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the Internatio angerous Goods by Road) ational Maritime Code for Dangerous Goods tional Air Transport Association y Harmonised System of Classification and Labelling of Chemicals opean Inventory of Existing Commercial Chemical Substances ul Abstracts Service (division of the American Chemical Society) Organic Compounds (USA, EU) concentration, 50 percent dose, 50 percent mt, Bioaccumulative and Toxic nees of Very High Concern rsistent and very Bioaccumulative Acute toxicity – Category 3 Acute toxicity – Category 3 Acute toxicity – Category 2
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SECTION This inform specific pro Departmen Contact: Te Abbreviatio ADR: Accord Carriage of D. IMDG: Interna GHS: Globally EINECS: Letral CAS: Chemica VOC: Volatile LC50: Lethal PBT: Persister SVHC: Substa vPvB: very Pe Acute Tox. 2: A Skin Corr. 12: Skin Sens. 1: S Muta. 1B: Ger	ical safety assessment: A Chemical Safety Assessment has not been carried out. N 16: Other information mation is based on our present knowledge. However, this shall not constitute a guarantee for a balance of the stabilish a legally valid contractual relationship. t issuing SDS: Technical Department. echnical Director ons and acronyms: européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the Internation angerous Goods by Road) ational Maritime Code for Dangerous Goods tional Air Transport Association y Harmonised System of Classification and Labelling of Chemicals performer of Existing Commercial Chemical Substances il Abstracts Service (division of the American Chemical Society) Organic Compounds (USA, EU) concentration, 50 percent dose, 50 percent ut, Bioaccumulative and Toxic neces of Very High Concern rsistent and very Bioaccumulative Acute toxicity – Category 3 Acute toxicity – Category 1 Kin sensitisation – Category 1 Kin sensitisation – Category 1B
SECTION This inform specific pro Departmen Contact: Te Abbreviatio ADR: Accord Carriage of D. IMDG: Interna GHS: Globally EINECS: Letral CAS: Chemica VOC: Volatile LC50: Lethal PBT: Persister SVHC: Substa vPvB: very Pe Acute Tox. 2: A Skin Corr. 13: Resp. Sens. 1: Skin Sens. 1: S Muta. 1B: Ger Carc. 1A: Car	ical safety assessment: A Chemical Safety Assessment has not been carried out. N 16: Other information nation is based on our present knowledge. However, this shall not constitute a guarantee for a boduct features and shall not establish a legally valid contractual relationship. t issuing SDS: Technical Department. ecchnical Director ons and acronyms: 'européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the Internatio angerous Goods by Road) ational Maritime Code for Dangerous Goods tional Air Transport Association y Harmonised System of Classification and Labelling of Chemicals page Inventory of Existing Commercial Chemical Substances i Abstracts Service (division of the American Chemical Society) Organic Compounds (USA, EU) concentration, 50 percent dose, 50 percent nt, Bioaccumulative and Toxic nees of Very High Concern resistent and very Bioaccumulative Acute toxicity – Category 3 Acute toxicity – Category 1 Skin corrosion/irritation – Category 1 kin sensitisation – Ca

Printing date 20.07.2021

Trade name: Chromium(VI) oxide, 99.5%

Revision: 20.07.2021

STOT RE 1: Specific target organ toxicity (repeated exposure) – Category 1 Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1 Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard – Category 1 (Contd. of page 9)

GB

