MOTIP DUPLI

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

Printing date 02.06.2015

Version number 13

Revision: 02.06.2015

1.1 Product ide Trade name: <u>M</u>		NG SHIELD
No further relev	e ntified uses o vant informatio	f the substance or mixture and uses advised against n available. ⁄ the mixture Preparation
1.3 Details of th Manufacturer/A MOTIP DUPLI Wolfraamweg 2 NL- 8471 XC W The Netherland Tel: +31 (0)56 Fax: +31 (0)56 e-mail info@nl.	Supplier: B.V. Yolvega s 1 694400 1 694411	the safety data sheet n
		ble from: QHSE Department nber: +31 (0)561-694400 (09:00h - 17:00h)
1.7 Lineigenty		noci, (51 (0)501-024400 (02.00n - 17.00n)
SECTION 2	Hazards id	entification
		ance or mixture
GHS	02 flame	
Flam. Aerosol I		
Flam. Aerosol I	H222-H22 09 environmen	t
Flam. Aerosol I	H222-H22 09 environmen c 2 H411	t
Flam. Aerosol I GHS Aquatic Chroni	H222-H22 09 environmen c 2 H411	
Flam. Aerosol I GHS Aquatic Chroni	H222-H22 09 environmen c 2 H411 07	t Toxic to aquatic life with long lasting effects.
Flam. Aerosol I Flam. Aerosol I GHS Aquatic Chroni GHS Eye Irrit. 2 STOT SE 3	H222-H22 09 environmen c 2 H411 07 H319 H336	t Toxic to aquatic life with long lasting effects. Causes serious eye irritation.
Flam. Aerosol I Flam. Aerosol I GHS Aquatic Chroni Question GHS Eye Irrit. 2 STOT SE 3 Classification G	H222-H22 09 environmen c 2 H411 07 H319 H336	t Toxic to aquatic life with long lasting effects. Causes serious eye irritation. May cause drowsiness or dizziness. irective 67/548/EEC or Directive 1999/45/EC
Flam. Aerosol I Flam. Aerosol I GHS Aquatic Chroni GHS Eye Irrit. 2 STOT SE 3 Classification a F+; Extre	H222-H22 09 environmen c 2 H411 07 H319 H336	t Toxic to aquatic life with long lasting effects. Causes serious eye irritation. May cause drowsiness or dizziness. irective 67/548/EEC or Directive 1999/45/EC le
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Flam. Aerosol I Flam. Aerosol I GHS Aquatic Chronii C C C C C C C C	H222-H22 09 environmen c 2 H411 07 H319 H336 cccording to D mely flammabl emely flammabl emely flammabl emely flammabl cous for the en c to aquatic or eated exposure	t Toxic to aquatic life with long lasting effects. Causes serious eye irritation. May cause drowsiness or dizziness. irective 67/548/EEC or Directive 1999/45/EC le ble. vironment ganisms, may cause long-term adverse effects in the aquatic environment
Flam. Aerosol I Flam. Aerosol I GHS Aquatic Chronii C C C C C C C C	H222-H22 09 environmen c 2 H411 07 H319 H336 eccording to D mely flammabl emely flammabl emely flammabl emely flammabl emely flammabl environ for the environ c to aquatic or eated exposure for the labelled	t Toxic to aquatic life with long lasting effects. Causes serious eye irritation. May cause drowsiness or dizziness. irective 67/548/EEC or Directive 1999/45/EC le

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(Contd. of page 1) Warning! Pressurised container. Has a narcotising effect. Classification system: The classification is according to the latest editions of the EU-lists, and extended by company and literature data. _____ · 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: pentane Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%) · Hazard statements H222-H229 Extremely flammable aerosol. Pressurised container: May burst if heated. 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. Additional information: EUH066 Repeated exposure may cause skin dryness or cracking. 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:

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		ntd. of page
CAS: 109-66-0 EINECS: 203-692-4 Index number: 601-006-00-1 Reg.nr.: 01-2119459286-30-xxxx	<i>pentane</i> <i>Xn R65</i> <i>F</i> + <i>R12</i> <i>N R51/53</i> <i>R66-67</i> <i>i Flam. Liq. 2, H225</i> <i>Asp. Tox. 1, H304</i> <i>Aquatic Chronic 2, H411</i> <i>STOT SE 3, H336</i>	25-50%
CAS: 64742-82-1 EC number: 919-446-0 Reg.nr.: 01-2119458049-33-xxxx	Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%) Xn R48/20-65 N R51/53 R10-66-67 Carc. Cat. 2 Flam. Liq. 3, H226 STOT RE 1, H372; Asp. Tox. 1, H304 Aquatic Chronic 2, H411 STOT SE 3, H336	12.5-209
CAS: 74-98-6 EINECS: 200-827-9 Index number: 601-003-00-5 Reg.nr.: 01-2119486944-21-xxxx	propane F+ R12 Flam. Gas 1, H220 Press. Gas C, H280	12.5-209
CAS: 106-97-8 EINECS: 203-448-7 Index number: 601-004-00-0 Reg.nr.: 01-2119474691-32-xxxx	butane F+ R12 Flam. Gas I, H220 Press. Gas C, H280	5-10%
CAS: 75-28-5 EINECS: 200-857-2 Index number: 601-004-00-0 Reg.nr.: 01-2119485395-27-xxxx	isobutane F+ R12 Flam. Gas 1, H220 Press. Gas C, H280	5-10%
CAS: 64742-48-9 EINECS: 265-150-3 Index number: 649-327-00-6	Naphtha (petroleum), hydrotreated heavy Xn R65 R10 Flam. Liq. 3, H226 Asp. Tox. 1, H304	2.5-5%
CAS: 68439-50-9 Reg.nr.: 01-2119487984-16-xxxx	Alcohols, C12-14, ethoxylated Xi R41 N R50 Eye Dam. 1, H318 Aquatic Acute 1, H400 wording of the listed risk phrases refer to section 16.	1-2.5%

Additional information: For the wording of the listed risk 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 complaints.
- After skin contact: Generally the product does not irritate the skin.
- *After eye contact:* Rinse opened eye for several minutes under running water. Then consult a doctor.
- 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.

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SECTION 5: Firefighting measures

- 5.1 Extinguishing media
- Suitable extinguishing agents:
- CO2, powder or water spray. Fight larger fires with water spray or 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.
- 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.
- 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.
- 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:

109-66-0 pentane

WEL Long-term value: 1800 mg/m³, 600 ppm

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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)

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

· 8.2 Exposure controls

· Personal protective equipment:

- General protective and hygienic measures:
- Wash hands before breaks and at the end of work.
- Do not inhale gases / fumes / aerosols.
- Respiratory protection: Not required.
- **Protection of hands:** Not required.
- Material of gloves Not required.
- Penetration time of glove material Not required.
- Eye protection: Not required.

SECTION 9: Physical and chemical properties

General Information Appearance:	
Form:	Aerosol
Colour:	According to product specification
Odour:	Characteristic
Odour threshold:	Not determined.
pH-value:	Not determined.
Change in condition	
Melting point/Melting range:	Undetermined.
Boiling point/Boiling range:	Not applicable, as aerosol.
Flash point:	< 0 °C (< 32 °F)
-	Not applicable, as aerosol.
Flammability (solid, gaseous):	Not applicable.
Ignition temperature:	> 200 °C (> 392 °F)
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 %
Upper:	10.9 Vol %
Vapour pressure at 20 °C (68 °F):	3500 hPa (2625 mm Hg)
Density at 20 °C (68 °F):	0.683 g/cm ³ (5.7 lbs/gal)
Relative density	Not determined.
Vapour density	Not determined.
Evaporation rate	Not applicable.
Solubility in / Miscibility with	
water:	Not miscible or difficult to mix.

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· Viscosity:		
Dynamic:	Not determined.	
Kinematic:	Not determined.	
Solvent content:		
Organic solvents:	78.8 %	
EU-VOC:	537.9 g/l	
EU-VOC in %:	78.76%	
Solids content:	19.1 %	
9.2 Other information	No further relevant information available.	

SECTION 10: Stability and reactivity

- · 10.1 Reactivity
- 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

Dermal $LD50$ >2500 mg/kg (rat) >5000 mg/kg (rabbit)Inhalative $LC50 / 4 h$ >100 mg/m3 (rat)64742-82-1Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)Oral $LD50$ >5000 mg/kg (rat)Dermal $LD50$ 3400 mg/kg (rabbit)Inhalative $LC50 / 4 h$ 13100 mg/m3 (rat)106-97-8butaneInhalative $LC50 / 4 h$ 658000 mg/m3 (rat)64742-48-9Naphtha (petroleum), hydrotreated heavyOral $LD50$ >15000 mg/kg (rat)Dermal $LD50$ >3000 mg/kg (rat)Dermal $LD50$ >3000 mg/kg (rat)Dermal $LD50$ >3000 mg/kg (rat)Oral $LD50$ >5000 mg/kg (rat)Oral $LD50$ >5000 mg/kg (rat)	109-66-0 p Oral	LD50	>16000 mg/kg (rat)
Inhalative $LC50 / 4 h$ >100 mg/m3 (rat)64742-82-1Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)Oral $LD50$ >5000 mg/kg (rat)Dermal $LD50$ 3400 mg/kg (rabbit)Inhalative $LC50 / 4 h$ 13100 mg/m3 (rat)106-97-8butaneInhalative $LC50 / 4 h$ 658000 mg/m3 (rat)64742-48-9Naphtha (petroleum), hydrotreated heavyOral $LD50$ >15000 mg/kg (rat)Dermal $LD50$ >3000 mg/kg (rat)Dermal $LD50$ >3000 mg/kg (rat)Inhalative $LC50 / 4 h$ >2.8 mg/m3 (rat)68439-50-9Alcohols, C12-14, ethoxylated	Dermal	LD50	>2500 mg/kg (rat)
64742-82-1 Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%) Oral LD50 >5000 mg/kg (rat) Dermal LD50 3400 mg/kg (rabbit) Inhalative LC50 / 4 h 13100 mg/m3 (rat) 106-97-8 butane Inhalative LC50 / 4 h 658000 mg/m3 (rat) 64742-48-9 Naphtha (petroleum), hydrotreated heavy Oral LD50 >15000 mg/kg (rat) Dermal LD50 >15000 mg/kg (rat) Dermal LD50 >2.8 mg/m3 (rat) 6439-50-9 Alcohols, C12-14, ethoxylated			>5000 mg/kg (rabbit)
Oral LD50 >5000 mg/kg (rat) Dermal LD50 $3400 mg/kg$ (rabbit) Inhalative LC50 / 4 h $13100 mg/m3$ (rat) 106-97-8 butane Inhalative LC50 / 4 h $658000 mg/m3$ (rat) 64742-48-9 Naphtha (petroleum), hydrotreated heavy Oral LD50 >15000 mg/kg (rat) Oral LD50 >3000 mg/kg (rat) >3000 mg/kg (rat) Inhalative $LC50 / 4 h$ >2.8 mg/m3 (rat) Gesta39-50-9 Alcohols, C12-14, ethoxylated C12-14, ethoxylated C12-14, ethoxylated	Inhalative	LC50 / 4 h	>100 mg/m3 (rat)
Dermal LD50 3400 mg/kg (rabbit) Inhalative LC50 / 4 h 13100 mg/m3 (rat) 106-97-8 butane Inhalative LC50 / 4 h 658000 mg/m3 (rat) 64742-48-9 Naphtha (petroleum), hydrotreated heavy Oral LD50 >15000 mg/kg (rat) Oral LD50 >15000 mg/kg (rat) >3000 mg/kg (rat) Dermal LD50 >3000 mg/kg (rat) Inhalative LC50 / 4 h >2.8 mg/m3 (rat) 68439-50-9 Alcohols, C12-14, ethoxylated	64742-82-	1 Hydrocarl	bons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)
Inhalative LC50 / 4 h 13100 mg/m3 (rat) 106-97-8 butane Inhalative LC50 / 4 h 658000 mg/m3 (rat) 64742-48-9 Naphtha (petroleum), hydrotreated heavy Oral LD50 >15000 mg/kg (rat) Dermal LD50 >3000 mg/kg (rat) >3000 mg/kg (rat) Inhalative LC50 / 4 h >2.8 mg/m3 (rat) 68439-50-9 Alcohols, C12-14, ethoxylated	Oral	LD50	>5000 mg/kg (rat)
106-97-8 butane Inhalative LC50 / 4 h 658000 mg/m3 (rat) 64742-48-9 Naphtha (petroleum), hydrotreated heavy Oral LD50 >15000 mg/kg (rat) Dermal LD50 >3000 mg/kg (rab) Inhalative LC50 / 4 h >2.8 mg/m3 (rat) 68439-50-9 Alcohols, C12-14, ethoxylated	Dermal	LD50	3400 mg/kg (rabbit)
Inhalative LC50 / 4 h 658000 mg/m3 (rat) 64742-48-9 Naphtha (petroleum), hydrotreated heavy Oral LD50 >15000 mg/kg (rat) Dermal LD50 >3000 mg/kg (rab) Inhalative LC50 / 4 h >2.8 mg/m3 (rat) 68439-50-9 Alcohols, C12-14, ethoxylated	Inhalative	LC50 / 4 h	13100 mg/m3 (rat)
64742-48-9 Naphtha (petroleum), hydrotreated heavy Oral LD50 >15000 mg/kg (rat) Dermal LD50 >3000 mg/kg (rab) Inhalative LC50 / 4 h >2.8 mg/m3 (rat) 68439-50-9 Alcohols, C12-14, ethoxylated	106-97-8 l	outane	
Oral LD50 >15000 mg/kg (rat) Dermal LD50 >3000 mg/kg (rab) Inhalative LC50 / 4 h >2.8 mg/m3 (rat) 68439-50-9 Alcohols, C12-14, ethoxylated	Inhalative	LC50 / 4 h	658000 mg/m3 (rat)
Dermal LD50 >3000 mg/kg (rab) Inhalative LC50 / 4 h >2.8 mg/m3 (rat) 68439-50-9 Alcohols, C12-14, ethoxylated	64742-48-	9 Naphtha (petroleum), hydrotreated heavy
Inhalative LC50 / 4 h >2.8 mg/m3 (rat) 68439-50-9 Alcohols, C12-14, ethoxylated	Oral	LD50	>15000 mg/kg (rat)
68439-50-9 Alcohols, C12-14, ethoxylated	Dermal	LD50	>3000 mg/kg (rab)
	Inhalative	LC50 / 4 h	>2.8 mg/m3 (rat)
Oral LD50 >5000 mg/kg (rat)	68439-50-	9 Alcohols,	C12-14, ethoxylated
	Oral	LD50	>5000 mg/kg (rat)

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(Contd. of page 6) **SECTION 12: Ecological information** · 12.1 Toxicity • Aquatic toxicity: 109-66-0 pentane EC50 / 48 h 9.7 mg/l (daphnia magna) LC50 / 96 h 1-10 mg/l (fish) 64742-82-1 Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%) EC50 / 48 h 10-22 mg/l (daphnia magna) EC50 / 72 h 4.6-10 mg/l (algae) LC50 / 96 h 10-30 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. 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 catalogue

20 01 13* solvents

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 IMDG 	1950 AEROSOLS, ENVIRONMENTALLY HAZARDOUS AEROSOLS
·IATA	AEROSOLS, flammable

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· 14.3 Transport hazard class(es)	
ADR	
•	
V	
· Class	2 5F Gases.
·Label	2.1
· IMDG, IATA	
· Class	2.1
Label	2.1
14.4 Packing group	
ADR, IMDG, IATA	Void
14.5 Environmental hazards:	Product contains environmentally hazardous substances:
-	Alcohols, C12-14, ethoxylated, pentane
Marine pollutant:	No
14.6 Special precautions for user	Warning: Gases.
Danger code (Kemler):	-
EMŠ Number:	F-D,S-U
14.7 Transport in bulk according to Anne	
MARPOL73/78 and the IBC Code	Not applicable.
Transport/Additional information:	
ADR	
Limited quantities (LQ)	
Excepted quantities (EQ)	Code: E0
Transport category	Not permitted as Excepted Quantity 2
• Transport category • Tunnel restriction code	2 D
IMDG	
Limited quantities (LQ)	IL
· Excepted quantities (EQ)	Code: E0
	Not permitted as Excepted Quantity
UN "Model Regulation":	UN1950, AEROSOLS, 2.1, ENVIRONMENTALLY
	HAZARDOUS

*

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.

· 15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

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I MAS D	formation is based on our present knowledge. However, this shall not constitute a guarantee for any
	ic product features and shall not establish a legally valid contractual relationship.
	ant phrases
	Extremely flammable gas.
H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
	Contains gas under pressure; may explode if heated.
	May be fatal if swallowed and enters airways.
	Causes serious eye damage.
	May cause drowsiness or dizziness.
H372	Causes damage to organs through prolonged or repeated exposure.
H400	
H411	Toxic to aquatic life with long lasting effects.
R10	Flammable.
R10 R12	Extremely flammable.
R12 R41	Extremely flammable. Risk of serious damage to eyes.
	<i>Use of serious damage to eyes.</i> <i>O Harmful: danger of serious damage to health by prolonged exposure through inhalation.</i>
R40/2 R50	Very toxic to aquatic organisms.
	3 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R65	Harmful: may cause lung damage if swallowed.
R66	Repeated exposure may cause skin dryness or cracking.
R67	Vapours may cause drowsiness and dizziness.
	ct: Mr. K. Smedeman
Abbre	viations and acronyms:
RID: Re Interna	glement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the ional Transport of Dangerous Goods by Rail)
RID: Re Internat ICAO: I	eglement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the ional Transport of Dangerous Goods by Rail) International Civil Aviation Organisation
RID: Re Internat ICAO: I ADR: A	glement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the ional Transport of Dangerous Goods by Rail)
RID: Re Internat ICAO: I ADR: A Carriag IMDG:	glement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the ional Transport of Dangerous Goods by Rail) International Civil Aviation Organisation ccord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International e of Dangerous Goods by Road) International Maritime Code for Dangerous Goods
RID: Re Internat ICAO: A ADR: A Carriag IMDG: IATA: I	aglement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the ional Transport of Dangerous Goods by Rail) international Civil Aviation Organisation ccord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International e of Dangerous Goods by Road) International Maritime Code for Dangerous Goods international Air Transport Association
RID: Re Internat ICAO: A ADR: A Carriag IMDG: IATA: I GHS: C	aglement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the ional Transport of Dangerous Goods by Rail) international Civil Aviation Organisation ccord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International e of Dangerous Goods by Road) International Maritime Code for Dangerous Goods international Air Transport Association Vobally Harmonised System of Classification and Labelling of Chemicals
RID: Re Internat ICAO: A ADR: A Carriag IMDG: IATA: I GHS: G EINEC	aglement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the ional Transport of Dangerous Goods by Rail) international Civil Aviation Organisation ccord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International e of Dangerous Goods by Road) International Maritime Code for Dangerous Goods international Air Transport Association
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