

GTI 221 Primer 4:1 grey MSDS Number: H51641 Version 1.0 Revision Date: 26.01.2015 SECTION 1: Identification of the substance/mixture and of the company/undertaking **1.1 Product identifier** Trade name : GTI 221 Primer 4:1 grey 1.2 Relevant identified uses of the substance or mixture and uses advised against Use of the Sub-: Solvent-borne coatings stance/Mixture Recommended restrictions : For use in industrial installations or professional treatment on use only. 1.3 Details of the supplier of the safety data sheet Company : Roberlo s.a. Ctra, Nacional II, Km, 706.5 17457 Riudellots de la Selva Spain Telephone : +34972478060 Telefax : +34972477394 E-mail address of person : msds@roberlo.com

1.4 Emergency telephone number

responsible for the SDS

+34 972 478060 (8:00-12:45 / 14:15-17:30 h) ROBERLO (Spain) (GMT + 1:00)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008)Flammable liquids, Category 3H226: Flammable liquid and vapour.Skin irritation, Category 2H315: Causes skin irritation.Eye irritation, Category 2H319: Causes serious eye irritation.Specific target organ toxicity - repeated
exposure, Category 2H373: May cause damage to organs through pro-
longed or repeated exposure if inhaled.Chronic aquatic toxicity, Category 3H412: Harmful to aquatic life with long lasting ef-
fects.

Classification (67/548/EEC, 1999/45/EC)

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Flammable	F	R10: Flammable.	
		R66: Repeated expo or cracking.	osure may cause skin dryness
Dangerous for the environmen	ŀ		aquatic organisms, may cause effects in the aquatic environ-
2.2 Label elements			
Labelling (REGULATION (EC Hazard pictograms	C) No 1272/2008) :		
Signal word	: Warning		
Hazard statements	: H226 H373 H319 H315 H412	May cause o longed or re Causes serio Causes skin	iquid and vapour. damage to organs through pro- peated exposure if inhaled. ous eye irritation. irritation. quatic life with long lasting ef-
Precautionary statements	 Prevention: P210 P280 P260 P260 Response: P303 + P367 P370 + P378 Storage: P403 Disposal: P501 	Keep away f open flames smoking. Wear protect Do not breat Do not breat 1 + P353 IF ON S ately all cont with water/sl B In case of fir or alcohol-re Store in a we Dispose of c	the spray. SKIN (or hair): Take off immedi- taminated clothing. Rinse skin

Hazardous components which must be listed on the label: xylene (mixture of isomers)

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ethylbenzene

2.3 Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Chemical nature : Paint

Hazardous components

Chemical Name	CAS-No. EC-No. Registration number	Classification (67/548/EEC)	Classification (REGULATION (EC) No 1272/2008)	Concentration (%)
n-butyl acetate	123-86-4 204-658-1 01- 2119485493-29	R10 R66 R67	Flam. Liq.3; H226 STOT SE3; H336	>= 1 - < 10
xylene (mixture of iso- mers)	1330-20-7 215-535-7 01- 2119488216-32	R10 Xn; R20/21 Xi; R38	Flam. Liq.3; H226 Acute Tox.4; H332 Acute Tox.4; H312 Skin Irrit.2; H315 Eye Irrit.2; H319 STOT SE3; H335 STOT RE2; H373 Asp. Tox.1; H304	>= 5 - < 10
Solvent naphtha (petro- leum), light arom.	64742-95-6 265-199-0 01- 2119455851-35	Xn; R65 Xi; R37 N; R51/53 R10 R66 R67	Flam. Liq.3; H226 Asp. Tox.1; H304 STOT SE3; H335, H336 Aquatic Chronic2; H411	>= 1 - < 2.5
ethylbenzene	100-41-4 202-849-4	F; R11 Xn; R20	Flam. Liq.2; H225 Acute Tox.4; H332 STOT RE2; H373 Asp. Tox.1; H304	>= 1 - < 10
dibutyltin dilaurate	77-58-7 201-039-8 01- 2119496068-27	Mut.Cat.3; R68 Repr.Cat.2; R60 Repr.Cat.2; R61 T; R48/25 C; R34 R43 N; R50/53	Muta.2; H341 Repr.1B; H360FD STOT SE1; H370 STOT RE1; H372 Skin Corr.1C; H314 Aquatic Acute1; H400 Aquatic Chronic1; H410 Skin Sens.1; H317	>= 0.1 - < 0.25
Substances with a workplace exposure limit :				

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2-methoxy-1- methylethyl acetate	108-65-6 203-603-9 01- 2119475791-29	R10	Flam. Liq.3; H226	>= 1 - < 10

For explanation of abbreviations see section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

General advid	ce :	 Move out of dangerous area. Consult a physician. Show this safety data sheet to the doctor in attendance.
If inhaled	:	 Move to fresh air in case of accidental inhalation of dust or fumes from overheating or combustion. If symptoms persist, call a physician.
In case of ski	in contact :	 Take off contaminated clothing and shoes immediately. Wash off with soap and plenty of water.
In case of eye	e contact :	 Flush eyes with water as a precaution. Remove contact lenses. Protect unharmed eye. Keep eye wide open while rinsing. If eye irritation persists, consult a specialist.
If swallowed	:	 Clean mouth with water and drink afterwards plenty of water. Do NOT induce vomiting. Do not give milk or alcoholic beverages. Never give anything by mouth to an unconscious person. If symptoms persist, call a physician.
4.2 Most importa	nt symptoms and e	effects, both acute and delayed

Symptoms : Inhalation may provoke the following symptoms: Headache Vertigo Fatigue Skin contact may provoke the following symptoms: Redness Ingestion may provoke the following symptoms: Abdominal pain

4.3 Indication of any immediate medical attention and special treatment needed

Vomiting Diarrhoea

Treatment

: No information available.

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SECTION 5: Firefighting meas	sures	
5.1 Extinguishing media		
Suitable extinguishing media	: Alcohol-resistant foam Dry chemical	
Unsuitable extinguishing media	: High volume water jet	
5.2 Special hazards arising from	the substance or mixture	
Specific hazards during fire- fighting	: Do not use a solid water stre fire.	eam as it may scatter and spread
Hazardous combustion prod- ucts	: No hazardous combustion pr	roducts are known
5.3 Advice for firefighters		
Special protective equipment for firefighters	: In the event of fire, wear self	-contained breathing apparatus.
Further information	must not be discharged into Fire residues and contamina be disposed of in accordance	ted fire extinguishing water must e with local regulations. f fire, cans should be stored sepa-
SECTION 6: Accidental release	se measures	
6.1 Personal propertions	tive equipment and emergenes	, procedures
6.1 Personal precautions, protect Personal precautions	: Remove all sources of ignitic	-

Ensure adequate ventilation.

6.2 Environmental precautions

Environmental precautions	:	If the product contaminates rivers and lakes or drains inform
		respective authorities.

6.3 Methods and material for containment and cleaning up

Methods for cleaning up : Wipe up with absorbent material (e.g. cloth, fleece). Keep in suitable, closed containers for disposal.

6.4 Reference to other sections

For contact information in case of emergency, see section 1. For information on safe handling, see section 7. For exposure controls and personal protection measures, see section 8. For subsequent waste disposal, follow the recommendations in section 13.

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SECTION 7: Handling and sto	orage	
7.1 Precautions for safe handlin	g	
Advice on safe handling	: For personal protection see s Dispose of rinse water in acc regulations.	ection 8. ordance with local and national
Advice on protection against fire and explosion	: Avoid formation of aerosol. K tion - No smoking. Take mea- electrostatic charge.	eep away from sources of igni- sures to prevent the build up of
Hygiene measures		bod industrial hygiene and safety breaks and at the end of work-
7.2 Conditions for safe storage,	including any incompatibilities	
Requirements for storage areas and containers	: No smoking. Keep container ventilated place.	tightly closed in a dry and well-
Other data	: No decomposition if stored an	nd applied as directed.
7.3 Specific end use(s)		
Specific use(s)	: For the use of this product do dations apart from that alread	o not exist particular recommen- dy indicated.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Biological occupational exposure limits

Substance name	CAS-No.	Control parameters	Sampling time	Basis
	1330-20-7	methyl hippuric acid: 650mmol/mol creatinine (Urine)	Post shift	GB EH40 BAT

Derived No Effect Level (DNEL) according to Regulation (EC) No. 1907/2006:

n-butyl acetate	: End Use: Workers Exposure routes: Inhalation Potential health effects: Long-term systemic effects
	Value: 480 mg/m3
xylene	: End Use: Workers
-	Exposure routes: Inhalation
	Potential health effects: Long-term systemic effects
	Value: 77 mg/m3
Low boiling point naphtha -	: End Use: Workers
unspecified	Exposure routes: Inhalation
-	Potential health effects: Long-term systemic effects

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ethylbenzene		Value: 608 mg/m3 : End Use: Workers Exposure routes: Inhalatio Potential health effects: Lo	
dibutyltin dilaurate		Value: 77 mg/m3 : End Use: Workers Exposure routes: Inhalatio Potential health effects: Lo Value: 0.01 mg/m3	
2-methoxy-1-methylethyl ace- tate	-	 End Use: Workers Exposure routes: Inhalatio Potential health effects: Lo Value: 275 mg/m3 	
8.2 Exposure controls			
Personal protective equipm	ent		
Eye protection	:	Eye wash bottle with pure w Tightly fitting safety goggles	
Hand protection			
Remarks	:	to satisfy the specifications	e selected protective gloves have of EU Directive 89/686/EEC and d from it. Before removing gloves vater.
Skin and body protection	:	1	cording to the amount and concen- ostance at the work place.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance	: liquid, viscous
Colour	: grey
Odour	: characteristic
рН	: not applicable
Melting point/range	: not applicable
Boiling point/boiling range	: 126.3 °C (7.6 hPa)
Flash point	: 27 °C Method: ISO 1523, closed cup Setaflash

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Upper explosion limit	: 7.7 %(V) (25 °C)	
Lower explosion limit	: 1.2 %(V) (25 °C)	
Vapour pressure	: 6.8 hPa (20 °C)	
	45 hPa (50 °C)	
Density	: 1.60 g/cm3 (20 °C) Method: ISO 2811-1	
Solubility(ies) Water solubility	: immiscible	
Auto-ignition temperature	: 390 °C	
Viscosity Viscosity, dynamic	: 50,000 mPa.s (20 °C) Method: ISO 2555	
Viscosity, kinematic	: > 20 mm2/s (40 °C)	

9.2 Other information

No data available

SECTION 10: Stability and reactivity

10.1 Reactivity

Stable under recommended storage conditions.

10.2 Chemical stability

No decomposition if stored and applied as directed.

10.3 Possibility of hazardous reactions

Hazardous reactions	: No decomposition if used as directed.
	Vapours may form explosive mixture with air.

10.4 Conditions to avoid

Conditions to avoid	: Heat, flames and sparks.
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10.5 Incompatible materials

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Materials to avoid	: Oxidizing agents Strong acids and strong bases	
).6 Hazardous decomposition	products	
Hazardous decomposition products	: Carbon monoxide	

11.1 Information on toxicological effects

Acute toxicity	
Product: Acute inhalation toxicity	 Acute toxicity estimate : > 20 mg/l Exposure time: 4 h Test atmosphere: vapour Method: Calculation method
Acute dermal toxicity	: Acute toxicity estimate : > 2,000 mg/kg Method: Calculation method
Components:	
n-butyl acetate: Acute oral toxicity	: LD50 Oral (rat): 10,768 mg/kg Method: OECD Test Guideline 401
Acute inhalation toxicity	: LC50 (rat): 23.4 mg/l Exposure time: 4 h Method: OECD Test Guideline 403
Acute dermal toxicity	: LD50 (rabbit): 17,600 mg/kg Method: OECD Test Guideline 402
xylene (mixture of isomers) Acute oral toxicity	: : LD50 Oral (rat): 4,300 mg/kg Method: OECD Test Guideline 401
Acute inhalation toxicity	: LC50 (rat): 22.08 mg/l Exposure time: 4 h Method: OECD Test Guideline 403
Acute dermal toxicity	: Acute toxicity estimate : 1,100 mg/kg Method: Converted acute toxicity point estimate
Solvent naphtha (petroleum Acute oral toxicity	 n), light arom.: : LD50 Oral (rat): 3,592 mg/kg Method: OECD Test Guideline 401
Acute inhalation toxicity	: LC50 (rat): > 20 mg/l
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sion 1.0	MSDS Number: H51641	Revision Date: 26.01.2015
	Exposure time: 4 h	
Acute dermal toxicity	: LD50 (rabbit): 3,160 mg/kg Method: OECD Test Guideline	e 402
ethylbenzene: Acute oral toxicity	: LD50 Oral (rat): 3,500 mg/kg Method: OECD Test Guideline	9 401
Acute inhalation toxicity	: LC50 (rat): 17.4 mg/l Exposure time: 4 h Method: OECD Test Guideline	e 403
Acute dermal toxicity	: LD50 (rabbit): 15,400 mg/kg Method: OECD Test Guideline	e 402
2-methoxy-1-methylethyl a	cetate:	
Acute oral toxicity	: LD50 Oral (rat): 8,532 mg/kg Method: OECD Test Guideline	e 401
Acute inhalation toxicity	: LC50 (rat): 35.7 mg/l Exposure time: 4 h Method: OECD Test Guideline	e 403
Acute dermal toxicity	: LD50 (rat): 5,000 mg/kg Method: OECD Test Guideline	e 402
Skin corrosion/irritation		
Product: Result: Skin irritation		
Serious eye damage/eye ir	ritation	
Product:		
Remarks: Severe eye irritation	on	
Respiratory or skin sensiti	sation	
Product:		
Remarks: Based on availabl	e data, the classification criteria are r	not met.
Germ cell mutagenicity		
Product: Germ cell mutagenicity- As- sessment	: Based on available data, the c	lassification criteria are not met.
Carcinogenicity		

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/ersion 1.0	MSDS Number: H51641	Revision Date: 26.01.2015
Carcinogenicity - Assess- ment	: Based on available data, the	classification criteria are not met.
Reproductive toxicity		
Product: Reproductive toxicity - As- sessment	: Based on available data, the	classification criteria are not met.
STOT - single exposure		
<u>Product:</u> Remarks: Based on available	data, the classification criteria are	not met.
STOT - repeated exposure		
Product: Assessment: The substance of exposure, category 2.	or mixture is classified as specific t	target organ toxicant, repeated
Aspiration toxicity		
Product: No aspiration toxicity classific	ation	
Further information		
Product: Remarks: Solvents may degre	ease the skin.	
ECTION 12: Ecological info	rmation	
.1 Toxicity		
<u>Components:</u> n-butyl acetate:		
Toxicity to fish	: LC50 (Fish): 18 mg/l Exposure time: 96 h Method: OECD Test Guidelin	ie 203
Toxicity to daphnia and other aquatic invertebrates	: EC50 (Daphnia): 32 mg/l Exposure time: 48 h	

Toxicity to algae

: EC50 (Algae): 675 mg/l Exposure time: 72 h

Method: OECD Test Guideline 202

Method: OECD Test Guideline 201

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xylene (mixture of isomers):		
Toxicity to fish	: LC50 (Fish): 14 mg/l Exposure time: 96 h Method: OECD Test Guideline 203	
Toxicity to daphnia and other aquatic invertebrates	: EC50 (Daphnia): 16 mg/l Exposure time: 48 h Method: OECD Test Guideline 202	
Solvent naphtha (petroleum)	, light arom.:	
Toxicity to fish	: LC50 (Fish): 9.2 mg/l Exposure time: 96 h Method: OECD Test Guideline 203	
Toxicity to daphnia and other aquatic invertebrates	: EC50 (Daphnia): 3.2 mg/l Exposure time: 48 h Method: OECD Test Guideline 202	
Toxicity to algae	: EC50 (Algae): 2.9 mg/l Exposure time: 72 h Method: OECD Test Guideline 201	
ethylbenzene:		
Toxicity to fish	: LC50 (Fish): 12 mg/l Exposure time: 96 h Method: OECD Test Guideline 203	
Toxicity to daphnia and other aquatic invertebrates	: EC50 (Daphnia): 1.8 mg/l Exposure time: 48 h Method: OECD Test Guideline 202	
Toxicity to algae	: EC50 (Algae): 33 mg/l Exposure time: 72 h Method: OECD Test Guideline 201	
2-methoxy-1-methylethyl ace	tate:	
Toxicity to fish	: LC50 (Fish): 100 mg/l Exposure time: 96 h Method: OECD Test Guideline 203	i
Toxicity to daphnia and other aquatic invertebrates	: EC50 (Daphnia): 408 mg/l Exposure time: 48 h Method: OECD Test Guideline 202	
Toxicity to algae	: EC50 (Algae): 1,000 mg/l Exposure time: 72 h Method: OECD Test Guideline 201	

12.2 Persistence and degradability

No data available

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12.3 Bioaccumulative potential		
No data available		
12.4 Mobility in soil		
No data available		
12.5 Results of PBT and vPvB a	ssessment	
Product:		
Assessment	to be either persistent, bioac	ains no components considered cumulative and toxic (PBT), or accumulative (vPvB) at levels of
12.6 Other adverse effects		
Product:		
Additional ecological infor- mation	unprofessional handling or d	nnot be excluded in the event of isposal., Harmful to aquatic or- rm adverse effects in the aquatic

13.1 Waste treatment methods	
Product	 The product should not be allowed to enter drains, water courses or the soil. Do not contaminate ponds, waterways or ditches with chemical or used container. Offer surplus and non-recyclable solutions to a licensed disposal company.
Contaminated packaging	 Empty remaining contents. Dispose of as unused product. Do not re-use empty containers. Do not burn, or use a cutting torch on, the empty drum.

SECTION 14: Transport information

14.1 UN number

ADR	: UN 1263
IMDG	: UN 1263
ΙΑΤΑ	: UN 1263
14.2 UN proper shipping name	
ADR	: PAINT
IMDG	: PAINT

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IATA : Paint IATA : Paint IATA : Paint IATA : Parata class(es) IADA : 3 IATA : 3 IAT	Version 1.0	MSDS Number: H51641	Revision Date: 26.01.2015
AJR 2 3 MDG 2 3 IATA 2 3 AJR 2 3 AJR 2 3 AJR 2 3 AJR 3 1 AJR 3 1 AJR 3 1 Packing group 4 1 Classification Code 5 1 Packing group 4 1 Labels 5 1 MDG 4 1 Packing instruction (cargo 5 1 Packing instruction (car	ΙΑΤΑ	: Paint	
ADR:3IMDG:3IATA:34.4 Packing group:IIIClassification Code:F1Packing group:IIIClassification Number:30Labels:3IMDG:Packing group:IIILabels:Packing group:IIILabels:Packing instruction (cargo:aircraft):Packing instruction (cargo:Packing instruction (LQ):Y344Packing group:IIILabels:Farmable Liquids			
MDG:3IATA:3IATA:34.4 Packing group:10ADR:IIIPacking group:11Classification Code:F1Hazard Identification Number:30Labels:3IMDG:Packing group:IIILabels:3EmS Code:F.F. S-EIATA:366aircraft):Y344Packing instruction (LQ):Y344Packing group:IIILabels:iPacking instruction (LQ):Ya44Packing group:IIILabels:iPacking instruction (LQ):Ya44Packing group:IIILabels:iPacking instruction (LQ):Ya44Packing group:IIILabels:iIabels:iPacking group:iIII:Labels:ADR::Environmentally hazardous:MDG::Marine pollutant::ALR::ADR::ALR:ADR::ADR::ALR:ALR:ALR:ALR:<			
IATA::34.1 Packing group::ADR:IIIPacking group:IIIClassification Code::Hazard Identification Number::Labels::PAcking group:IIILabels::Packing group:IIILabels::Packing instruction (cargo::Packing instruction (cargo::Packing instruction (LQ)::Packing group::Packing group::Packing instruction (LQ)::Packing group::Packing group::Packing group::ILTA::Packing instruction (LQ)::Packing group::ILabels::Packing group::Packing group::ILabels:Packing instruction (LQ):::Packing group:::ILabels::::::::::::::::::::::::::::::::			
4.4 Packing group ADR Packing group III Classification Code FI Hazard Identification Number 30 Labels S IMDG Packing group F Packing group F Packing instruction (cargo F Packing instruction (cargo F Packing instruction (cargo F Packing instruction (cargo F Packing instruction (LQ) F Packing group F Packing instruction (LQ) F Packing group F Packing group F Packing instruction (LQ) F Packing group F Packing group F Packing group F Packing group F Packing instruction (LQ) F Packing group F Packing instruction (LQ) F Packing group F Packing instruction (LQ) F Packing group F Packing f F Packing group F Packing f F Packing group F Packing f F Packing			
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Packing group:IIIClassification Code:F1Hazard Identification Number::Labels::Packing group:IIILabels::Packing group:IIILabels::EmS Code::FTAPacking instruction (cargo:Packing instruction (LQ)::Packing group:IIILabels::Packing group::HATA:Packing instruction (LQ)::Packing group:IIILabels::Packing group::Itil::Packing group::Packing instruction (LQ)::Packing group::Itil::Labels::Furironmental hazards:ADR Environmentally hazardous::IMDG Marine pollutant::Actine pollutant::Actine pollutant::Actine pollutant::Actine pollutant:Actine pollutant:Actine pollutant:Actine pollutant:Harrow:Harrow:Harrow:Harrow:Harrow:Harrow:::: <td>4.4 Packing group</td> <td></td> <td></td>	4.4 Packing group		
Classification Code : F1 Hazard Identification Number : 30 Labels : 3 IMDG : 3 Packing group : III Labels : 3 EmS Code : F-E, S-E IATA . Packing instruction (cargo aircraft) Packing group : 111 Labels : Y344 Packing group : III Labels : Flammable Liquids 4.5 Environmental hazards : Flammable Liquids 4.6 Special precautions for user : no			
Hazard Identification Number : 30 Labels : 3 IMDG Packing group : III Labels : 3 EmS Code : : F-E, S-E IATA Packing instruction (cargo aircraft) : : Packing instruction (LQ) : : Y344 Packing group : III Labels : Flammable Liquids 4.5 Environmental hazards : Flammable Liquids MDG : : no IMDG : : no 4.6 Special precautions for user :			
Labels : 3 IMDG Packing group : III Labels : 3 EmS Code : F-E, <u>S-E</u> IATA Packing instruction (cargo : 366 aircraft) Packing instruction (LQ) : 366 aircraft) Packing group : 1II Labels : III Labels : Flammable Liquids 4.5 Environmental hazards ADR Environmentally hazardous : no IMDG Marine pollutant : no			
Packing group:IIILabels:3EmS Code:F-E, S-EIATAPacking instruction (cargo aircraft):Packing instruction (LQ):Y344Packing group:IIILabels:Flammable Liquids4.5 Environmental hazardos:noIMDG Marine pollutant:no4.6 Special precautions for user:no			
Packing group:IIILabels:3EmS Code:F-E, S-EIATAPacking instruction (cargo aircraft):Packing instruction (LQ):Y344Packing group:IIILabels:Flammable Liquids4.5 Environmental hazards:noIMDG Marine pollutant:no4.6 Special precautions for user:no	IMDG		
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Packing instruction (cargo aircraft):366Packing instruction (LQ):Y344Packing group:IIILabels:Flammable Liquids4.5 Environmental hazards:inoMarine pollutant:ino4.6 Special precautions for user:	EmS Code	: F-E, <u>S-E</u>	
aircraft) Packing instruction (LQ) : Y344 Packing group : III Labels : Flammable Liquids 4.5 Environmental hazards ADR Environmentally hazardous : no IMDG Marine pollutant : no			
Packing group : III Labels : Flammable Liquids 4.5 Environmental hazards : Flammable Liquids ADR : no IMDG : no Marine pollutant : no 4.6 Special precautions for user : No		: 366	
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4.5 Environmental hazards ADR Environmentally hazardous : no IMDG Marine pollutant : no 4.6 Special precautions for user			
ADR Environmentally hazardous : no IMDG Marine pollutant : no 4.6 Special precautions for user		: Flammable Liquids	
Environmentally hazardous : no IMDG Marine pollutant : no 4.6 Special precautions for user	4.5 Environmental hazards		
IMDG Marine pollutant : no 4.6 Special precautions for user			
Marine pollutant : no 4.6 Special precautions for user	Environmentally hazardous	: no	
4.6 Special precautions for user	-		
	Marine pollutant	: no	
not applicable	4.6 Special precautions for use	er	
	not applicable		

Not applicable for product as supplied.

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

Seveso II - Directive 2003/105/EC amending Council Directive 96/82/EC on the control of majoraccident hazards involving dangerous substances

6	Flammable.	5,000 t	50,000 t
13	Petroleum products: (a) gasolines and naphthas, (b) kerosenes (including jet	2,500 t	25,000 t

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	fuels), (c) gas oils (includ- ing diesel fuels, home heating oils and gas oil blending streams)	
Volatile organic compounds	: 390 g/l	
Directive 2004/42/EC	: (540 g/l)	
Other regulations	: The product is classified and la directives or respective nationa	

15.2 Chemical Safety Assessment

not applicable

SECTION 16: Other information

Full text of R-Phrases

R10	Flammable.			
R11	Highly flammable.			
R20	Harmful by inhalation.			
R20/21	Harmful by inhalation and in contact with skin.			
R34	Causes burns.			
R37	Irritating to respiratory system.			
R38	Irritating to skin.			
R43	May cause sensitisation by skin contact.			
R48/25	Toxic: danger of serious damage to health by prolonged exposure if swallowed.			
R50/53	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.			
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.			
R60	May impair fertility.			
R61	May cause harm to the unborn child.			
R65	Harmful: may cause lung damage if swallowed.			
R66	Repeated exposure may cause skin dryness or cracking.			
R67	Vapours may cause drowsiness and dizziness.			
R68	Possible risk of irreversible effects.			
Full text of H-Statements				
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.			
H314	Causes severe skin burns and eye damage.			
H315	Causes skin irritation.			
H317	May cause an allergic skin reaction.			
H319	Causes serious eye irritation.			

- H332 Harmful if inhaled.
- H335 May cause respiratory irritation.

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H336	May cause drowsiness or dizziness.			
H341	Suspected of causing genetic defects.			
H360FD	May damage fertility. May damage the unborn child.			
H370	Causes damage to organs.			
H372	Causes damage to organs through prolonged or repeated exposure.			
H373	May cause damage to organs through prolonged or repeated exposure			
	if inhaled.			
H400	Very toxic to aquatic life.			
H410	Very toxic to aquatic life with long lasting effects.			
H411	Toxic to aquatic life with long lasting effects.			

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Further information

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.