1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Identification of the product

Identification of the mixture: CRAYVALLAC® PA3 XAF 20

1.2. Relevant identified uses of the substance or mixture and uses advised against

Use of the Substance/Mixture :

Sector of use :	Product category :
Industrial formulation, blending, repacking **SU 10:** Formulation [mixing] of preparations and/ or re-packaging (excluding alloys)	**:** Manufacture of :**, PC1:** Adhesives, sealants**, PC9a:** Coatings and paints, thinners, paint removers**, PC9b:** Fillers, putties, plasters, modelling clay**, PC18:** Ink and toners**, PC38:** Welding and soldering products (with flux coatings or flux cores.), flux products
Industrial application of formulations **SU 3:** Industrial uses: Uses of substances as such or in preparations at industrial sites	**PC1:** Adhesives, sealants**, PC9a:** Coatings and paints, thinners, paint removers**, PC9b:** Fillers, putties, plasters, modelling clay**, PC18:** Ink and toners**, PC38:** Welding and soldering products (with flux coatings or flux cores.), flux products
Professional application of formulations **SU 22:** Professional uses: Public domain (administration, education, entertainment, services, craftsmen)	**PC1:** Adhesives, sealants**, PC9a:** Coatings and paints, thinners, paint removers**, PC9b:** Fillers, putties, plasters, modelling clay

1.3. Details of the supplier of the safety data sheet

Supplier	ARKEMA Coating Resins 420 rue d'Estienne d'Orves 92705 Colombes Cedex, FRANCE Telephone: +33 1 49 00 80 80 Telefax: +33 1 49 00 83 96 E-mail address: pars-drp-fds@arkema.com http://www.arkema.com
E-mail address : Exposure scenario	Arkema-Reach-Uses-Coating-Resins@arkema.com

1.4. Emergency telephone number

+ 33 1 49 00 77 77
European emergency phone number: 112

2. HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008):
Flammable solids, 1, H228
Inhalation: Acute toxicity, 4, H332
Dermal: Acute toxicity, 4, H312
Skin irritation, 2, H315
Eye irritation, 2, H319
Skin sensitisation, 1, H317
Specific target organ toxicity - single exposure, 3, Respiratory system, H335
Specific target organ toxicity - repeated exposure, 2, H373

Additional information:
For the full text of the H, EUH-phrases mentioned in this Section, see Section 16.

2.2. Label elements

Label elements (REGULATION (EC) No 1272/2008):

Hazardous components which must be listed on the label:

xylene
E96096

Hazard pictograms:

Signal word: **Danger**

Hazard statements:
H228 : Flammable solid.
H312 : Harmful in contact with skin.
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.
H373 : May cause damage to organs through prolonged or repeated exposure.

Precautionary statements:
Prevention:
P210 : Keep away from heat/sparks/open flames/hot surfaces. No smoking.
P260 : Do not breathe dust/ fume/ gas/ mist/ vapours/ spray.
P280 : Wear protective gloves/ protective clothing/ eye protection/ face protection.
Response:
P314 : Get medical advice/ attention if you feel unwell.
P333 + P313 : If skin irritation or rash occurs: Get medical advice/ attention.
P337 + P313 : If eye irritation persists: Get medical advice/ attention.
Storage:
P403 + P233 : Store in a well-ventilated place. Keep container tightly closed.

2.3. Other hazards

Potential health effects:
Inhalation: At high vapour/fog concentrations : Irritating to respiratory system. Risk of : headache Dizziness Stomach/intestinal disorders Drowsiness Nausea
Skin contact: Repeated or prolonged exposure may cause skin irritation and dermatitis, due to degreasing properties of the product.
Ingestion: At high dose : Risk of : Nausea Gastrointestinal problems Vomiting Central nervous system depression

Environmental Effects:
Toxic to aquatic organisms.

Physical and chemical hazards:
Flammable. Vapours may form explosive mixture with air. Thermal decomposition giving toxic products
Decomposition products: See chapter 10

Other:
Results of PBT and vPvB assessment : Based on the available information, it is not possible to conclude on the hasard potential of this mixture.

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.2. Mixtures

Chemical nature of the mixture[1]:
Preparation based on : amide wax

Hazardous components (accordance with Annex II of Regulation (EC) No 1907/2006 and its amendment(s)) :

Chemical name[1] & REACH Registration Number[2]	EC-No.	CAS-No.	Concentration	Classification REGULATION (EC) No 1272/2008

Xylene (01-2119488216-32) (N° ANNEX: 601-022-00-9)	215-535-7	1330-20-7	~ 80 %	Flam. Liq. 3; H226 Asp. Tox. 1; H304 Acute Tox. 4 (Inhalation); H332 Acute Tox. 4 (Dermal); H312 Skin Irrit. 2; H315 STOT SE 3; H335 STOT RE 2; H373 Eye Dam. 2; H319
E96096 (01-0000018057-71)	434-430-9		~ 20 %	Skin Sens. 1B; H317 Aquatic Chronic 4; H413

One constituent of this mixture is an UVCB/multi-constituent substance containing: (indication of real concentrations in product)

Chemical name[1] & REACH Registration Number[2]	EC-No.	CAS-No.	Concentration	Classification REGULATION (EC) No 1272/2008
Ethylbenzene (01-2119489370-35) (N° ANNEX: 601-023-00-4)	202-849-4	100-41-4	< 20 %	Asp. Tox. 1; H304 Flam. Liq. 2; H225 Acute Tox. 4 (Inhalation); H332 STOT RE 2 (Inhalation); H373 Aquatic Chronic 3; H412
Toluene (01-2119471310-51) (N° ANNEX: 601-021-00-3)	203-625-9	108-88-3	< 2 %	Flam. Liq. 2; H225 Skin Irrit. 2; H315 Repr. 2; H361d STOT SE 3; H336 STOT RE 2; H373 Asp. Tox. 1; H304 Aquatic Chronic 3; H412

[1]: See chapter 14 for Proper Shipping Name
[2] :See the text of the regulation for applicable exceptions or provisions : The transition time according to REACH Regulation, Article 23, is still not expired.

4. FIRST AID MEASURES

4.1. Description of necessary first-aid measures:

General advice:
Take off immediately all contaminated clothing (including shoes).

Inhalation:
Move patient from contaminated area to fresh air. Oxygen or artificial respiration if needed. In case of problems : Consult a physician.

Skin contact:
Wash immediately, abundantly and thoroughly with soap and water. In the case of skin irritation or allergic reactions see a physician.

Eye contact:
Wash open eyes immediately, abundantly and thoroughly for at least 15 minutes. Seek advice of an ophthalmologist if necessary.

Ingestion:
Do NOT induce vomiting. Call a physician or Poison Control Center immediately.

Protection of first-aiders:
Protective suit. In case of insufficient ventilation, wear suitable respiratory equipment.

4.2. Most important symptoms/effects, acute and delayed: No data available.

4.3. Indication of immediate medical attention and special treatment needed, if necessary: No data available.

5. FIREFIGHTING MEASURES

5.1. Extinguishing media

Suitable extinguishing media: Water spray, Water mist, powder, foam, Carbon dioxide (CO2)

Unsuitable extinguishing media: High volume water jet

5.2. Special hazards arising from the substance or mixture:
Flammable.
Vapours are heavier than air and may spread along floors.
Vapours may form explosive mixtures with air.
thermal decomposition into harmful products

Irritating or toxic vapors.
Formation of toxic products through combustion:, Carbon oxides, Nitrogen oxides (NOx)

5.3. Advice for firefighters:

Specific methods:
In the event of fire and/or explosion do not breathe fumes. Use water spray to cool unopened containers. Do not allow run-off from fire fighting to enter drains or water courses.

Special protective actions for fire-fighters:
In the event of fire, wear self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures:
Use personal protective equipment. Ensure adequate ventilation. Evacuate personnel to safe areas. Prohibit all sources of sparks and ignition - Do not smoke. Prohibit contact with skin and eyes. Avoid inhalation of vapours. In case of insufficient ventilation, wear suitable respiratory equipment.

6.2. Environmental precautions:
Do not let product enter drains. Do not flush into surface water. Do not release into the environment. Local authorities should be advised if significant spillages cannot be contained.

6.3. Methods and materials for containment and cleaning up:

Recovery:
Shovel into suitable container for disposal. Never return spills in original containers for re-use. Absorb the remainder with an inert absorbent material (sand, vermiculite, perlite). No sparking tools should be used.

Elimination: See chapter 13

6.4. Reference to other sections: None.

7. HANDLING AND STORAGE

7.1. Precautions for safe handling:

Technical measures/Precautions:
Storage and handling precautions applicable to products: Solid. Highly flammable Irritant. Harmful. Sensitizing. Provide appropriate exhaust ventilation at machinery. Provide showers, eye-baths Provide water supplies near the point of use. Provide electrical earthing of equipment.

Safe handling advice:
Prohibit all sources of sparks and ignition - Do not smoke. Take precautionary measures against static discharges. In case of insufficient ventilation, wear suitable respiratory equipment.

Hygiene measures:
Take off immediately all contaminated clothing. Prohibit contact with skin and eyes. Avoid inhalation of vapours. When using do not eat, drink or smoke.
Wash hands after handling. Remove contaminated clothing and protective equipment before entering eating areas.

7.2. Conditions for safe storage, including any incompatibilities:
Keep tightly closed in a dry, cool and well-ventilated place. Store in original container. Store away from heat and ignition sources. Provide electrical earthing of equipment and electrical equipment usable in explosive atmospheres. Avoid long storage period. Keep away from direct sunlight. Provide a catch-tank in a bunded area.

Incompatible products:
Acids Oxidizing agents

Packaging material:
Recommended: Metals
To be avoided: Plastic materials

7.3. Specific end use(s): None.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters:

Exposure Limit Values

Xylene

Source	Date	Value type	Value (ppm)	Value (mg/m3)	Remarks
EU ELV	12 2009	TWA	50	221	Indicative value
EU ELV	12 2009	STEL	100	442	Indicative value
EU ELV	12 2009	SKIN	–	–	Can be absorbed through the skin.
ACGIH (US)	02 2012	TWA	100	–	–
ACGIH (US)	02 2012	STEL	150	–	–

Ethylbenzene

Source	Date	Value type	Value (ppm)	Value (mg/m3)	Remarks
EU ELV	12 2009	SKIN	–	–	Can be absorbed through the skin.
EU ELV	12 2009	TWA	100	442	Indicative value
EU ELV	12 2009	STEL	200	884	Indicative value
ACGIH (US)	02 2012	TWA	20	–	–

Toluene

Source	Date	Value type	Value (ppm)	Value (mg/m3)	Remarks
EU ELV	12 2009	SKIN	–	–	Can be absorbed through the skin.
EU ELV	12 2009	TWA	50	192	Indicative value
EU ELV	12 2009	STEL	100	384	Indicative value
ACGIH (US)	02 2012	TWA	20	–	–

Derived No Effect Level (DNEL):
No adverse effects have been observed at the highest recommended concentrations/doses tested , thus no DNELs were derived

Predicted No Effect Concentration:
No adverse effects have been observed at the highest recommended concentrations/doses tested , thus no PNECs were derived

8.2. Exposure controls:

Appropriate engineering controls: Frequently monitor and control the working atmosphere.
Provide appropriate exhaust ventilation at machinery.

Personal protective equipment:

Respiratory protection: In case of insufficient ventilation, wear suitable respiratory equipment.
In case of mist, spray or aerosol exposure wear suitable personal respiratory protection and protective suit.

Hand protection: Splashes:
PVA Glove thickness: 0,2 - 0,3 mm
According to permeation index EN 374: 6 (time elapsed > 480 mins)
Gloves nitrile rubber Glove thickness: 0,38 mm
According to permeation index EN 374: 2 (time elapsed > 30 mins)
Prolonged contact:
Viton (R) Glove thickness: 0,7 mm
According to permeation index EN 374: 6 (time elapsed > 480 mins)
Polyethylene Glove thickness: 0,062 mm
According to permeation index EN 374: 6 (time elapsed > 480 mins) PE gloves being not ergonomic and not mechanically resistant, have to be used under other gloves offering a good grip and mechanical resistance.
Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion, and the contact time., Gloves should be discarded and replaced if there is any indication of degradation or chemical breakthrough., When handling hot material, use heat resistant gloves.

Eye/face protection: Safety glasses with side-shields

Skin and body protection: Protective suit.

Environmental exposure controls: See chapter 6

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Appearance:	
Physical state (20°C):	solid
Form:	Pasty solid
Colour:	off-white
Odour:	solvent-like
Olfactory threshold:	No data available.
pH:	No data available.
Melting point/range:	No data available.
Boiling point/boiling range:	No data available.
Flash point:	closed cup: 23 °C
Evaporation rate:	No data available.
Flammability (solid, gas):	
Flammability:	The substance or mixture is a flammable solid with the category 1.
Vapour pressure:	No data available.
Vapour density:	No data available.
Relative density:	No data available.
Water solubility:	E96096 : insoluble (OECD Test Guideline 105)
Partition coefficient: n-octanol/water:	XYLENE : log Kow : 3,1 - 3,2 , at 20 °C E96096 : log Kow : > 13, Potentially bioaccumulable. (calculated)
Auto-ignition temperature:	No data available.
Decomposition temperature:	No data available.
Viscosity:	No data available.
Explosive properties:	
Explosivity:	Not relevant (due to its chemical structure)
Oxidizing properties:	Not relevant (due to its chemical structure)

9.2. Other data:

Solubility in other solvents: Soluble in most organic solvents

10. STABILITY AND REACTIVITY

10.1. Reactivity: No data available.

10.2. Chemical stability:
The product is stable under normal handling and storage conditions.

10.3. Possibility of hazardous reactions:
None under normal conditions of use.

10.4. Conditions to avoid:
Store protected from moisture and heat. Remove all sources of ignition.

10.5. Incompatible materials to avoid:
Acids, Oxidizing agents

10.6. Hazardous decomposition products:
thermal decomposition into harmful products
Irritating or toxic vapors.
Formation of toxic products through combustion:, Carbon oxides, Nitrogen oxides (NOx)

11. TOXICOLOGICAL INFORMATION

All available data on this product and/or the components quoted in section 3 and/or the analogue substances/metabolites have been taken into account for the hazard assessment.

11.1. Information on toxicological effects:

Acute toxicity:

Inhalation: **From its composition, it must be considered as: Harmful by inhalation.**

XYLENE :
• In man : At high concentrations, Risk of, headache, Drowsiness, Dizziness, Nausea, Stomach/intestinal disorders
• In animals : LC50/4 h/Rat: 27,6 mg/l (Method: Directive 67/548/EEC, Annex V, B.2.) (vapour)

E96096 :
• In animals : No mortality/4 h/Rat: 4,1 mg/l (Method: OECD Test Guideline 403), Maximum concentration technically possible

Ingestion: **According to its composition, can be considered as : Slightly harmful by ingestion**

XYLENE :
• In man : The effects of ingesting a large dose can include :, Nausea, Gastrointestinal disturbance, Vomiting, Central nervous system depression
• In animals : LD50/Rat: 3.523 mg/kg (Method: Directive 67/548/EEC, Annex V, B.1.)

E96096 :
• In animals : No mortality/Rat: 2.000 mg/kg (Method: OECD Test Guideline 423)

Dermal: **From its composition, it must be considered as: Harmful in contact with skin.**

XYLENE :
• In animals : LD50/Rabbit: > 4.200 mg/kg

E96096 :
• In animals : No mortality/Rat: 2.000 mg/kg (Method: OECD Test Guideline 402)

Local effects (Corrosion / Irritation / Serious eye damage):

Skin contact: **From its composition, it must be considered as: Irritating to skin.**

Eye contact: **From its composition, it must be considered as: Irritating to eyes.**

Respiratory or skin sensitisation:

Inhalation: No data available.

Skin contact: **According to its composition : May cause sensitisation by skin contact.**

E96096 :
• In animals (guinea pig): Weak sensitizing effects by skin contact. (Method: OECD Test Guideline 406 Guinea pig maximization test)

CMR effects :

Mutagenicity: **According to its composition : Overall not genotoxic**

In vitro

XYLENE :
Inactive in genotoxic in vitro tests
In vitro gene mutation study in bacteria: (Method: OECD Test Guideline 471)
In vitro gene mutations test on mammalian cells:
Tests for chromosome aberrations in vitro on mammalian cells: (Method: Directive 67/548/EEC, Annex V, B.10.)

E96096 :
Inactive in genotoxic in vitro tests
In vitro gene mutation study in bacteria: (Method: OECD Test Guideline 471)
Tests for chromosome aberrations in vitro on mammalian cells: (Method: OECD Test Guideline 473)
In vitro gene mutations test on mammalian cells: (Method: OECD Test Guideline 476)

In vivo

XYLENE :
Chromosome aberration test in vivo: Inactive
Rodent dominant lethal test: Inactive (Method: OECD Test Guideline 478)

Carcinogenicity: **Based on the available information, it is not possible to conclude on the hasard potential of this mixture.**

XYLENE :
• In animals : Absence of carcinogenic effects (Method: OECD Test Guideline 451, rat, mouse, lifetime, By oral route)

E96096 :
No data available.

Reproductive toxicity:

Fertility: **Based on the available information, it is not possible to conclude on the hasard potential of this mixture.**

XYLENE :

• In animals : Reproduction Test: Absence of toxic effects on fertility
NOAEL (Parental toxicity): >= 500 ppm
NOAEL (Fertility): >= 500 ppm
NOAEL (Developmental Toxicity): >= 500 ppm
(Rat, By inhalation) (vapour)

E96096 :

May be considered as comparable to a similar product for which experimental results are:, Absence of toxic effects on fertility

Foetal development: **Based on the available information, it is not possible to conclude on the hasard potential of this mixture.**

XYLENE :
• In animals : Exposure during pregnancy: Absence of toxic effects for foetal development at non toxic maternal doses, No teratogenic effects
(Method: OECD Test Guideline 414, Rat, By inhalation)

E96096 :

No data available.

Specific target organ toxicity :

Single exposure : **The substance or mixture is classified as specific target organ toxicant, single exposure, category 3 with respiratory tract irritation.**

Inhalation:

XYLENE :

At high vapour/mist concentrations , Irritating to respiratory system.

Repeated exposure: **The substance or mixture is classified as specific target organ toxicant, repeated exposure, category 2.**

XYLENE :
• In animals : By oral route: No toxic effect directly extrapolated to humans
increased organ weight, Target organs: Target organs at high concentrations:, Liver, Kidney, NOAEL= 150 mg/kg (Method: OECD Test Guideline 408, Rat, 3 months)
By inhalation: No specific toxic effects
NOAEL= > 3,5 mg/l (rat, dog, 3 months)

ETHYLBENZENE :
• In animals : By inhalation: hearing impairment, Target organs: Auditory system (Rat, Repeated)

• In animals : Target organs: Kidney, Thyroid gland, Liver, Lungs

By inhalation: NOAEL= 4,3 mg/l (1000ppm) (Method: OECD Test Guideline 413, rat, mouse, 13 Weeks)
By inhalation: NOAEL= 1,1 mg/l (250ppm) (Method: OECD Test Guideline 453, Rat, 2 y)
By inhalation: NOAEL= 0,3 mg/l (75ppm) (Method: OECD Test Guideline 451, Mouse, 2 y)

• In animals : By oral route: Target organs: Haematological system, Liver, Kidney, NOAEL= 75mg/kg bw/day, LOAEL= 250mg/kg bw/day (Method: OECD Test Guideline 408, Rat, 13 Weeks)

E96096 :
• In animals : By oral route: No specific toxic effects
NOAEL= >= 1.000 mg/kg (Method: OECD Test Guideline 407, Rat, 4 Weeks)

Aspiration hazard:

Based on the available information, it is not possible to conclude on the hazard potential of this product.

12. ECOLOGICAL INFORMATION

Ecotoxicology Assessment: All available data on this product and/or the components quoted in section 3 and/or the analogue substances/metabolites have been taken into account for the hazard assessment.

Acute aquatic toxicity : Toxic to aquatic life.

12.1. Acute toxicity :

Fish: **According to its composition, can be considered as : , Toxic to fish.**

XYLENE :

May be considered as comparable to a similar product for which experimental results are:
LC50, 96 h (Oncorhynchus mykiss) : 2,6 mg/l (Method: OECD Test Guideline 203)

E96096 :

LC50, 96 h (Oncorhynchus mykiss) (Method: OECD Test Guideline 203) No effect up to the limit of solubility

Aquatic invertebrates: **According to its composition, can be considered as : , Toxic to daphnia.**

XYLENE :

May be considered as comparable to a similar product for which experimental results are:
EC50, 24 h (Daphnia magna (Water flea)) : 1 mg/l (Method: OECD Test Guideline 202)

E96096 :

EC50, 48 h (Daphnia magna (Water flea)) (Method: OECD Test Guideline 202) No effect up to the limit of solubility

Aquatic plants: **According to its composition, can be considered as : , Toxic to algae.**

XYLENE :

May be considered as comparable to a similar product for which experimental results are:
ErC50, 73 h (Pseudokirchneriella subcapitata) : 4,36 mg/l (Method: OECD Test Guideline 201)

E96096 :

ErC50, 72 h (Pseudokirchneriella subcapitata) (Method: OECD Test Guideline 201) No effect up to the limit of solubility

Microorganisms:

XYLENE :

May be considered as comparable to a similar product for which experimental results are:
NOEC, 3 h (Activated sludge) : 157 mg/l (Method: OECD Test Guideline 209, Respiration inhibition)

E96096 :

EC50, 3 h (Activated sludge) (Method: OECD Test Guideline 209) No effect up to the limit of solubility

Aquatic toxicity / Long term toxicity:

Fish:

XYLENE :

NOEC, 56 d (Oncorhynchus mykiss) : > 1,3 mg/l

Aquatic invertebrates:

XYLENE :

May be considered as comparable to a similar product for which experimental results are:
NOEC, 7 d (Ceriodaphnia dubia) : 1,17 mg/l (reproduction)

Aquatic plants:

XYLENE :

May be considered as comparable to a similar product for which experimental results are:
ErC10, 72 h (Pseudokirchneriella subcapitata) : 1,9 mg/l (Method: OECD Test Guideline 201)

E96096 :

NOEC r, 72 h (Pseudokirchneriella subcapitata) (Method: OECD Test Guideline 201) No effect up to the limit of solubility

12.2. Persistence and degradability :

Biodegradation (In water): **Based on the available information, it is not possible to conclude on the hasard potential of this mixture.**

XYLENE :

Readily biodegradable: 87,8 % after 28 d (Method: OECD Test Guideline 301 F)

E96096 :

Not readily biodegradable.: 6 % after 28 d (Method: OECD Test Guideline 301 B)

12.3. Bioaccumulative potential :

Bioaccumulation: **Based on the available information, it is not possible to conclude on the hasard potential of this mixture.**

XYLENE :

Partition coefficient: n-octanol/water: log Kow : 3,1 - 3,2 , at 20 °C

E96096 :

Partition coefficient: n-octanol/water: log Kow : > 13, Potentially bioaccumulable. (Method: calculated)

XYLENE :

May be considered as comparable to a similar product for which experimental results are:
Bioconcentration factor (BCF): 7,2 - 25,9 (56 d, Method: No information available., Oncorhynchus mykiss (rainbow trout)

12.4. Mobility in soil - Distribution among environmental compartments:

Absorption / desorption: **Based on the available information, it is not possible to conclude on the hasard potential of this mixture.**

XYLENE :

log Koc: 2,73 (Method: OECD Test Guideline 121)

E96096 :

log Koc: > 7,4 (Method: calculated)

12.5. Results of PBT and vPvB assessment :
Based on the available information, it is not possible to conclude on the hasard potential of this mixture.

12.6. Other adverse effects: None known.

13. DISPOSAL CONSIDERATIONS

13.1. Waste treatment:

Disposal of product: The product should not be allowed to enter drains, water courses or the soil. Dispose of contents/ container to an approved waste disposal plant. In accordance with local and national regulations.

Disposal of packaging: Recycle if possible.

14. TRANSPORT INFORMATION

Regulation	14.1. UN number	14.2.UN proper shipping name	14.3.Class*	Label	14.4. PG*	14.5. Environmental hazards	14.6. Special precautions for user
ADR	3175	SOLIDS CONTAINING FLAMMABLE LIQUID, N.O.S. (XYLENES)	4.1	4.1	II	no	
ADN	3175	SOLIDS CONTAINING FLAMMABLE LIQUID, N.O.S. (XYLENES)	4.1	4.1	II	no	
RID	3175	SOLIDS CONTAINING FLAMMABLE LIQUID, N.O.S. (XYLENES)	4.1	4.1	II	no	
IATA Cargo	3175	Solids containing flammable liquid, n.o.s. (Xylenes)	4.1	4.1	II	no	
IATA Passenger	3175	Solids containing flammable liquid, n.o.s. (Xylenes)	4.1	4.1	II	no	
IMDG	3175	SOLIDS CONTAINING FLAMMABLE LIQUID, N.O.S. (XYLENES)	4.1	4.1	II	no	EmS Number: F-A, S-I

*Description: 14.3. Transport hazard class(es)
14.4. Packing group

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code: Not applicable

15. REGULATORY INFORMATION

Safety data sheets: accordance with Annex II of Regulation (EC) No 1907/2006 and its amendment(s)

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

Listed in:

EU. REACH, Annex XVII, Marketing and Use Restrictions (Regulation 1907/2006/EC): toluene Value: 48
Restriction for the placing on the market as a constituent of adhesives or spray paints for the supply to the general public in concentration equal to or greater than 0.1% by weight.

15.2. Chemical safety assessment: None.

INVENTORIES:

EINECS:	Conforms to, Contains an ELINCS substance.
TSCA:	Conforms to
DSL:	All components of this product are on the Canadian DSL
IECSC (CN):	Conforms to
ENCS (JP):	Does not conform
ISHL (JP):	Does not conform
KECI (KR):	Conforms to
PICCS (PH):	Conforms to
AICS:	Conforms to
NZIOC:	Conforms to

16. OTHER INFORMATION

Full text of H, EUH-phrases referred to under sections 2 and 3

H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H228	Flammable solid.
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.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H361d	Suspected of damaging the unborn child.
H373	May cause damage to organs through prolonged or repeated exposure.
H412	Harmful to aquatic life with long lasting effects.
H413	May cause long lasting harmful effects to aquatic life.

Update:

Safety datasheet sections which have been updated:		Type:
1-16	General update of Safety Data Sheet.	Revisions

Thesaurus:
NOAEL : No Observed Adverse Effect Level (NOAEL)
LOAEL : Lowest Observed Adverse Effect Level (LOAEL)
bw : Body weight
food : oral feed
dw : Dry weight
vPvB : very Persistent and very Bioaccumulative
PBT : Persistent, Bioaccumulative and Toxic

This information applies to the PRODUCT AS SUCH and conforming to specifications of ARKEMA. In case of formulations or mixtures, it is necessary to ascertain that a new danger will not appear. The information contained is based on our knowledge of the product, at the date of publishing and it is given quite sincerely. Users are advised of possible additional hazards when the product is used in applications for which it was not intended. This sheet shall only be used and reproduced for prevention and security purposes. The references to legislative, regulatory and codes of practice documents cannot be considered as exhaustive. It is the responsibility of the person receiving the product to refer to the totality of the official documents concerning the use, the possession and the handling of the product. It is also the responsibility of the handlers of the product to pass on to any subsequent persons who will come into contact with the product (usage, storage, cleaning of containers, other processes) the totality of the information contained within this safety data sheet and necessary for safety at work, the protection of health and the protection of environment.

NB: In this document the numerical separator of the thousands is the "." (point), the decimal separator is "," (comma).