



ARIHANT CHEMICAL CORPORATION & J.J ENTERPRISE

For paints / inks / plastic / Rubber industries Raw material available with us under self import / Manufacturing / Trading.

Under taking Import Material

ARKEMA

SAFETY DATA SHEET according to Regulation (EC) No. 1507/2006

Product: EVATANE® HT - 40-42% VA Page: 1 / 6
SDS No.: 000701-003 (Version 2.0) Date 28.12.2011 (Cancel and replace : 06.04.2011)

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

Generic Safety Data Sheet

Identification of the mixture: EVATANE® HT - 40-42% VA

Grades : 40-55, 42-60

Use of the Substance/Mixture : Hotmelt adhesives and coatings, Coextrusion Foams, Compounds

Company/Undertaking Identification:
Supplier

Arkema France
POLYMERES TECHNIQUES
420 rue d'Estienne d'Orves
92780 Colombes Cedex, France
Téléphone : +33 (0)1 49 00 60 60
Télécopie : +33 (0)1 49 00 60 60
http://www.arkema.com
pers-dp-fds@arkema.com

E-mail address

Emergency telephone number

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

2. HAZARDS IDENTIFICATION

Classification (Regulation (EC) No 1272/2008):

This mixture is not classified as dangerous according to Regulation (EC) No 1272/2008.

Classification according to EU Directives 1999/45/EC :

This mixture is not classified as dangerous according to Directive 1999/45/EC.

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

This mixture does not require a label

Other hazards:

Potential health effects:

Acute exposure: Contact with the product, even handled at high temperatures, can cause serious burns.

Physical and chemical hazards:

Thermal decomposition giving toxic and corrosive products
Decomposition products: See chapter 10

Other:

Results of PBT and vPvB assessment: This information is not required.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical nature of the mixture¹:

Ethylene and vinyl acetate copolymer
Presence of additives

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Administration /correspondence Office :- Plot No. 319,Room No.3, Ranchoddas Terrace building ,sir Bhalchandra Road, opp Hira House, Near Chhatre Maternity Hospital, Matunga (C.R) Mumbai – 400019

Tel :- +91 22 24148378 / 24146390

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Product: EVATANER HT - 40-42% VA Page: 2/6
SDS No.: 060701-003 (Version 2.0) Date 28.12.2011 (Cancel and replace : 06.04.2011)

Hazardous impurities :

Chemical Name ¹	EC-No.	CAS-No.	Concentration	Classification Directive 67/546/EEC	Classification Regulation (EC) No 1272/2008
Vinyl acetate	203-545-4	108-05-4	< 1 %	F, R11 Xn; R20 Xi; R37 Carc. Cat.3; R40	Flam. Liq. 2; H225 Acute Tox. 4 (Inhalation); H332 STOT SE 3; H335 Carc. 2; H351

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.

For the full text of the R, H, C and P-phrases mentioned in this Section, see Section 16.

4. FIRST AID MEASURES

Description of necessary first-aid measures. Most important symptoms/effects, acute and delayed:

Inhalation:

Inhalation of vapours due to thermal decomposition : Move to fresh air. Oxygen or artificial respiration if needed. In case of persistent problems : Consult a physician.

Skin contact:

On contact with hot product : Cool skin rapidly with cold water after contact with molten polymer. Remove product with vegetable oil or paraffin. In case of adhesion, do not try to remove the product. Treat the affected areas as thermal burns. Consult a physician.

Eye contact:

Dusts : Wash well open eyes immediately, abundantly and thoroughly with water. Remove particles remaining under the eyelids. If irritation persists, consult an ophthalmologist.

On contact with hot product : Cool eyes rapidly with cold water after contact with molten polymer. Consult an ophthalmologist.

Ingestion:

In case of problems : Consult a doctor.

Protection of first-aiders:

In case of insufficient ventilation, wear suitable respiratory equipment.

5. FIREFIGHTING MEASURES

Extinguishing media:

Suitable extinguishing media:

Water spray, Foam, Carbon dioxide (CO₂)

Special hazards arising from the substance or mixture:

At high temperature :

Thermal decomposition giving toxic and corrosive products :

Acetic acid, Carbon oxides (by combustion)

Advice for firefighters:

Specific methods:

Ensure a system for the rapid emptying of containers. In case of fire nearby, remove the bags.

Special protective actions for fire-fighters:

In the event of fire, wear self-contained breathing apparatus

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures:

Avoid contact with skin and eyes and inhalation of dust. Wear a dust mask and safety glasses/goggles if necessary. In case of insufficient ventilation, wear suitable respiratory equipment.

Environmental precautions:

Do not release into the environment. Do not let product enter drains.

Methods and materials for containment and cleaning up:

Recovery:

Recover the product. Shovel into suitable container for disposal. Sweep up to prevent slipping hazard.

Elimination:

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Product: EVATANES HT - 40-42% VA Page: 2/6
SDS No.: 000701-003 (Version 2.0) Date: 28.12.2011 (Cancel and replace : 06.04.2011)

Hazardous impurities :

Chemical Name ¹	Product SDS No.: 000701-003 (Version 2.0)	EC-No.	CAS-No.	Concentration	Classification Directive 12.01 67/546/EEC	1 (Cancel) Classification 2011 Regulation (EC) No: 1272/2008
Vinyl acetate	Flash point: Evaporation rate: Flammability (solid, gas): Vapour pressure: Vapour density:	203-545-4	108-05-4	< 1 %	F+ R11 Xi; R20 Xi; R37 Carc. Cat. 3; R40	Flam. Liq. 2; H225 Acute Tox. 4 (Inhalation); H332 STOT SE 3; H335 Carc. 2; H351

¹: See chapter 14 for Proper Shipping Name

²: See the text of the regulation applicable exceptions or provisions 20th Fe (06/06/2011) time according to REACH Regulation, Article 23, is still not expired

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

Partition coefficient n-octanol/water:

No data available

Autoignition temperature:

No data available

4. FIRST AID MEASURES

Decomposition temperature:

approx. 260 °C

Viscosity, kinematic:

not applicable

Description of necessary first-aid measures. Most important symptoms/effects, acute and delayed:

Explosivity:

Not relevant (due to the chemical structure)

Inhalation:

Oxidizing properties:

Not relevant (due to the chemical structure)

Inhalation of vapours due to thermal decomposition: Move to fresh air. Oxygen or artificial respiration if needed. In case of persistent problems: Consult a physician.

Solubility in other solvents:

Soluble in Carbon tetrachloride at 25 °C

Skin contact:

On contact with hot product: Cool skin rapidly with cold water after contact with molten polymer. Remove product with vegetable oil or paraffin. In case of adhesion, do not rub off the product. Treat the affected areas as thermal burns. Consult a physician.

Eye contact:

Reactivity & Chemical stability:

Dusts: Wash well open eyes immediately and thoroughly with water. Remove particles remaining under the eyelids. If irritation persists, consult an ophthalmologist.

On contact with hot product: Cool eyes rapidly with cold water after contact with molten polymer. Consult an ophthalmologist.

None under normal conditions of use

Ingestion:

Consult a doctor to avoid:

Heat, flames and sparks. Exposure to sunlight. Exposure to moisture. (to maintain the technical properties of the product).

Protection of first-aiders:

In case of insufficient ventilation: Do not breathe in dust. Do not use ordinary equipment. Acids, Strong oxidizing agents.

5. FIREFIGHTING MEASURES

Thermal decomposition:

Decomposition temperature: approx. 260 °C

Extinguishing media:

Hazardous decomposition products:

Suitable extinguishing media:

Water spray, Foam, Carbon dioxide (CO2)

Thermal decomposition giving toxic and corrosive products:

Acetic acid, Carbon oxides (the combustion)

Special hazards arising from the substance or mixture:

At high temperature:

Thermal decomposition giving toxic and corrosive products:

Acetic acid, Carbon oxides (the combustion)

Advice for firefighters:

Toxicological information:

Specific methods:

Ensure a system for the rapid emptying of containers. In case of fire nearby, remove the bags

Special protective actions for fire-fighters:

In the event of fire, wear self-contained breathing apparatus. Polymer: According to its composition, can be considered as: Slightly harmful by ingestion

Dermal:

Polymer: According to its composition, can be considered as: Slightly harmful in contact with skin

6. ACCIDENTAL RELEASE MEASURES

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

Personal precautions, protective equipment and emergency procedures:

Avoid contact with skin and eyes. In case of inhalation of dust: Wear self-contained breathing apparatus. In case of insufficient ventilation, wear suitable respiratory equipment.

Environmental precautions:

Do not release into the environment. Do not let product enter drains. Polymer: Can be considered as: Slightly or not irritating to skin. Contact with the product, when handled at high temperatures, can cause serious burns. At high temperature, products of thermal decomposition can be irritating to skin.

Methods and materials for containment and cleaning up:

Recovery: Respiratory or skin sensitization: Polymer: Can be considered as: Slightly or not irritating to eyes. Contact with the product, when handled at high temperatures, can cause serious burns. At high temperature, products of thermal decomposition can be irritating to eyes.

Elimination: No data available

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Product: EVATANES HT - 40-42% VA Page: 2/6
 SDS No.: 000701-003 (Version 2.0) Date: 28.12.2011 (Cancel and replace : 06.04.2011)

Hazardous impurities :

Chemical Name ¹	EC-No.	CAS-No.	Concentration	Classification Directive 67/546/EEC	Classification Regulation (EC) No: 1272/2008
Vinyl acetate	203-545-4	108-05-4	< 1 %	F+ R11 Xn; R20 Xi; R37 Carc. Cat. 3; R40	Flam. Liq. 2; H225 Acute Tox. 4 (Inhalation); H332 STOT SE 3; H335 Carc. 2; H351

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4. FIRST AID MEASURES

Description of necessary first-aid measures. Most important symptoms/effects, acute and delayed:

Inhalation:

Inhalation of vapours due to thermal decomposition: Move to fresh air. Oxygen or artificial respiration if needed. In case of persistent problems: Consult a physician.

Skin contact:

On contact with hot product: Cool skin rapidly with cold water after contact with molten polymer. Remove product with vegetable oil or paraffin. In case of adhesion, do not try to remove the product. Treat the affected areas as thermal burns. Consult a physician.

Eye contact:

Dusts: Wash well open eyes immediately, abundantly and thoroughly with water. Remove particles remaining under the eyelids. If irritation persists, consult an ophthalmologist.

On contact with hot product: Cool eyes rapidly with cold water after contact with molten polymer. Consult an ophthalmologist.

Ingestion:

In case of problems: Consult a doctor.

Protection of first-aiders:

In case of insufficient ventilation, wear suitable respiratory equipment.

5. FIREFIGHTING MEASURES

Extinguishing media:

Suitable extinguishing media: Water spray, Foam, Carbon dioxide (CO2)

Special hazards arising from the substance or mixture:

At high temperature:
Thermal decomposition giving toxic and corrosive products:
Acetic acid, Carbon oxides (by combustion)

Advice for firefighters:

Specific methods:

Ensure a system for the rapid emptying of containers. In case of fire nearby, remove the bags.

Special protective actions for fire-fighters:

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6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures:

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Environmental precautions:

Do not release into the environment. Do not let product enter drains.

Methods and materials for containment and cleaning up:

Recovery:

Recover the product. Shovel into suitable container for disposal. Sweep up to prevent slipping hazard.

Elimination:

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On contact with hot product: Cool eyes rapidly with cold water after contact with molten polymer. Consult an ophthalmologist.

Ingestion:

In case of problems: Consult a doctor.

Protection of first-aiders:

In case of insufficient ventilation, wear suitable respiratory equipment.

5. FIREFIGHTING MEASURES

Extinguishing media:

Suitable extinguishing media: Water spray, Foam, Carbon dioxide (CO₂)

Special hazards arising from the substance or mixture:

At high temperature:
Thermal decomposition giving toxic and corrosive products:
Acetic acid, Carbon oxides (by combustion)

Advice for firefighters:

Specific methods:

Ensure a system for the rapid emptying of containers. In case of fire nearby, remove the bags.

Special protective actions for fire-fighters:

In the event of fire, wear self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures:

Avoid contact with skin and eyes and inhalation of dust. Wear a dust mask and safety glasses/goggles if necessary. In case of insufficient ventilation, wear suitable respiratory equipment.

Environmental precautions:

Do not release into the environment. Do not let product enter drains.

Methods and materials for containment and cleaning up:

Recovery:

Recover the product. Shovel into suitable container for disposal. Sweep up to prevent slipping hazard.

Elimination:

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SDS No.: 060701-003 (Version 2.0) Date: 28.12.2011 (Cancel and replace - 06.04.2011)

Hazardous impurities :

Chemical Name ¹	EC-No.	CAS-No.	Concentration	Classification Directive 67/546/EEC	Classification Regulation (EC) No 1272/2008
Vinyl acetate	203-545-4	108-05-4	< 1 %	F, R11 Xn; R20 Xi; R37 Carc. Cat.3; R40	Flam. Liq. 2; H225 Acute Tox. 4 (Inhalation); H332 STOT SE 3; H335 Carc. 2; H351

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4. FIRST AID MEASURES

Description of necessary first-aid measures, Most important symptoms/effects, acute and delayed:

Inhalation:

Inhalation of vapours due to thermal decomposition : Move to fresh air. Oxygen or artificial respiration if needed. In case of persistent problems : Consult a physician.

Skin contact:

On contact with hot product : Cool skin rapidly with cold water after contact with molten polymer. Remove product with vegetable oil or paraffin. In case of adhesion, do not try to remove the product. Treat the affected areas as thermal burns. Consult a physician.

Eye contact:

Dusts : Wash well open eyes immediately, abundantly and thoroughly with water. Remove particles remaining under the eyelids. If irritation persists, consult an ophthalmologist.
On contact with hot product : Cool eyes rapidly with cold water after contact with molten polymer. Consult an ophthalmologist.

Ingestion:

In case of problems : Consult a doctor.

Protection of first-aiders:

In case of insufficient ventilation, wear suitable respiratory equipment.

5. FIREFIGHTING MEASURES

Extinguishing media:

Suitable extinguishing media: Water spray, Foam, Carbon dioxide (CO₂)

Special hazards arising from the substance or mixture:

At high temperature :
Thermal decomposition giving toxic and corrosive products :
Acetic acid, Carbon oxides (by combustion)

Advice for firefighters:

Specific methods:

Ensure a system for the rapid emptying of containers. In case of fire nearby, remove the bags.

Special protective actions for fire-fighters:

In the event of fire, wear self-contained breathing apparatus

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures:

Avoid contact with skin and eyes and inhalation of dust. Wear a dust mask and safety glasses/goggles if necessary. In case of insufficient ventilation, wear suitable respiratory equipment.

Environmental precautions:

Do not release into the environment. Do not let product enter drains.

Methods and materials for containment and cleaning up:

Recovery:

Recover the product. Shovel into suitable container for disposal. Sweep up to prevent slipping hazard.

Elimination:

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Destroy the product by incineration (in accordance with local and national regulations).

7. HANDLING AND STORAGE

Precautions for safe handling:

Technical measures/Precautions:

Storage and handling precautions applicable to products: Solid (pellets). Ensure ventilation of work areas and extraction of dust or vapours likely to be given off during conversion operations (product handled when hot). Provide showers, eye-baths. Provide water supplies near the point of use.

Safe handling advice:

At all stages of the operation, do not exceed the temperature at which decomposition into toxic and corrosive products will occur. Avoid creating dust. In case of dust formation, wear a dust mask. Avoid accumulation of static charges during transfers in metallic systems. Keep well away from naked flames.

Hygiene measures:

Avoid contact with the skin and the eyes. Avoid breathing dust. Product handled when hot - Avoid exposure to vapor. When using do not eat, drink or smoke.

Wash hands after handling. Remove contaminated clothing and protective equipment before entering eating areas.

Conditions for safe storage, including any incompatibilities:

Store away from moisture and heat to maintain the technical properties of the product. Remove all sources of ignition. Provide earthing and safe electrical equipment.

Incompatible products:

None known

Packaging material:

Recommended: Polyethylene

Specific use(s) (End Use): None

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

CONTROL PARAMETERS:

Exposure Limit Values

Contains no substances with occupational exposure limit values.

Derived No Effect Level (DNEL):

This information is not required.

Predicted No Effect Concentration (PNEC):

This information is not required.

EXPOSURE CONTROLS:

General protective measures:

Ensure ventilation of work areas and extraction of dust or vapours likely to be given off during conversion operations (product handled when hot).

Personal protective equipment:

Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment in the case of hazardous fumes, wear self contained breathing apparatus.

Hand protection:

Gloves (product handled in molten state).

Eye/face protection:

Safety glasses/goggles (product handled in molten state) - Wear face-shield and protective clothing in case of problems during processing.

Skin and body protection:

Protective clothing (product handled in molten state).

Environmental exposure controls: See chapter 6.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:

Physical state (20°C):

Solid

Form:

granules

Colour:

natural colour, white

Odour:

ester-like

Odour threshold:

No data available.

pH:

not applicable

Melting point/range:

60 - 90 °C

Boiling point/boiling range:

Not applicable (decomposes on heating)

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Eye contact:

Dusts : Wash well open eyes immediately, abundantly and thoroughly with water. Remove particles remaining under the eyelids. If irritation persists, consult an ophthalmologist.

On contact with hot product : Cool eyes rapidly with cold water after contact with molten polymer. Consult an ophthalmologist.

Ingestion:

In case of problems : Consult a doctor.

Protection of first-aiders:

In case of insufficient ventilation, wear suitable respiratory equipment.

5. FIREFIGHTING MEASURES

Extinguishing media:

Suitable extinguishing media:

Water spray, Foam, Carbon dioxide (CO₂)

Special hazards arising from the substance or mixture:

At high temperature :

Thermal decomposition giving toxic and corrosive products :

Acetic acid, Carbon oxides (by combustion)

Advice for firefighters:

Specific methods:

Ensure a system for the rapid emptying of containers. In case of fire nearby, remove the bags.

Special protective actions for fire-fighters:

In the event of fire, wear self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures:

Avoid contact with skin and eyes and inhalation of dust. Wear a dust mask and safety glasses/goggles if necessary. In case of insufficient ventilation, wear suitable respiratory equipment.

Environmental precautions:

Do not release into the environment. Do not let product enter drains.

Methods and materials for containment and cleaning up:

Recovery:

Recover the product. Shovel into suitable container for disposal. Sweep up to prevent slipping hazard.

Elimination:

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ARIHANT CHEMICAL CORPORATION & J.J ENTERPRISE

For paints / inks / plastic / Rubber industries Raw material available with us under self import / Manufacturing / Trading.

Product: EVATANE® HT - 40-42% VA

Page: 9/9

SDS No.: 000731-003 (Version 2.0)

Date: 28.12.2011 (Cancel and replace : 06.04.2011)

Skin contact:

No data available.

CMR effects:

Mutagenicity:

Polymer: No particular problems for man

In vivo

VINYL ACETATE

According to available experimental data "in vivo" and "in vitro": contradictory results. Genotoxicity not demonstrated.

The principal metabolites are genotoxic: Acetaldehyde

Carcinogenicity:

Polymer: No particular problems for man

VINYL ACETATE

According to limited epidemiological data available in man.

Absence of causal relationship between incidence of cancer and exposure to product in epidemiological studies.

- In man:

According to available experimental data.

Slight carcinogenic effects in animals.

- In animals

Nasal tumours only observed at high concentrations in association with permanent irritating lesions of the epithelium in the upper respiratory tract induced by the exposure (rat, mouse, By inhalation).

Tumour at the upper gastrointestinal tract (rat, By oral route).

Reproductive toxicity:

Fertility:

Polymer: No particular problems for man

Specific target organ toxicity:

Single exposure:

Inhalation:

- In man:

At high temperature, products of thermal decomposition can be irritating to respiratory system

Repeated exposure:

Polymer: No particular problems for man

Aspiration hazard:

Not relevant

12. ECOLOGICAL INFORMATION

Acute toxicity

Aquatic invertebrates:

No data available.

Microorganisms:

No data available.

Persistence and degradability:

Biodegradation (in water):

Inert polymer. Not biodegradable on the basis of its structure

Bioaccumulative potential:

No data available.

Mobility in soil:

No data available.

Results of PBT and vPvB assessment:

This information is not required.

13. DISPOSAL CONSIDERATIONS

Waste treatment:

Disposal of product:

Do not dispose of waste into sewer. Recycle if possible. Destroy the product by incineration (in accordance with local and national regulations).

Disposal of packaging:

Do not release into the environment. Recycle if possible. Destroy packaging by incineration at an approved waste disposal site (in accordance with local and national regulations).

14. TRANSPORT INFORMATION

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ARIHANT CHEMICAL CORPORATION & J.J ENTERPRISE

For paints / inks / plastic / Rubber industries Raw material available with us under self import / Manufacturing / Trading.

Product: EVATANE® HT - 40-42% VA
SDS No.: 000701-003 (Version 2.0)
Page: 6 / 6
Date: 28.12.2011 (Cancel and replace: 06.04.2011)

Not classified as dangerous in the meaning of transport regulations.

15. REGULATORY INFORMATION

Safety data sheets, according to Regulation (EC) No. 1907/2006

INVENTORIES:

EUCCS:	Conforms to
TSCA:	Conforms to
AICS:	Conforms to
DSL:	All components of this product are on the Canadian DSL List
ENCS (JP):	Conforms to
KECI (KR):	Conforms to
PICCS (PH):	Conforms to
IECSC (CN):	Conforms to
NZIOC:	Conforms to

16. OTHER INFORMATION

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

R11	Highly flammable.
R20	Harmful by inhalation.
R37	Irritating to respiratory system.
R40	Limited evidence of a carcinogenic effect.
H225	Highly flammable liquid and vapour.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H351	Suspected of causing cancer.

Updates:

Safety data sheet sections which have been updated:	Type
2 Classification and labelling	Additions

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).

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