

Kerafine 93

Issue date: 21 December 2022

Revision date: July 16th, 2020 REVISION 3

Last modifications are written in blue color.

Presentation and rules of drafting in conformity with the regulation (CE) 1907/2006 and amendments.

1. IDENTIFICATION OF THE SUBSTANCE AND COMPANIES

1.1 Identification of the substance: Kerafine 93

1.2 Use of the substance: Industrial applications

1.3 Identification of companies:

Supplier: Assistance Distribution Chimie
123 rue Marie Curie
26780 Châteauneuf-du-Rhône
Phone: +33 (0)4 75 54 35 05
E-Mail: contact@adc-chimie.com

Producer: ADC

Emergency number: ORFILA 33 (0)1 45 42 59 59

ANTI-POISON CENTERS:

Paris: 33 (0)1 40 05 48 48

Lille: 33 (0) 825 812 822

Nancy: 33 (0)3 83 32 36 36

Toulouse: 33 (0)5 61 77 74 47

Angers: 33 (0)2 41 48 21 21

Lyon: 33 (0)4 72 11 69 11

Rennes: 33 (0)2 99 59 22 22

Bordeaux: 33 (0) 5 56 96 40 80

Marseille: 33 (0)4 91 75 25 25

Strasbourg: 33 (0)3 88 37 37 37

Toxicovigilance centers: Grenoble - Reims - Rouen

2. HAZARD IDENTIFICATION:

2.1 Classification of the substance or mixture:

Product definition: Mixed polymeric materials

Classification according to the Regulation (EC) No. 1272/2008 [CLP / GHS]: Not classified.

Classification according to the Directive 67/548/EEC: Not classified.

Classification according to the Directive 1999/45/EC: Not classified.

2.2 Label elements: Not applicable.

2.3 Other hazards:

2.3.1 Criteria for PBT or vPvB in accordance with Annex XII Regulation (EC) No 1907/2006 (REACH):

According to the data transmitted along the supply chain and which we have, of the substances that constitute the mixture, we reported that these substances do not meet the criteria PBT or vPvB, in accordance with the Annex XII.

2.3.2 Other hazards:

Eyes: In solid state the product presents no health hazard, but may cause irritation.
In melt can cause severe burns.

Skin contact: In solid state the product presents no health hazard, although there is not medical information available, in some cases can cause adverse effects like irritation.
In melt can cause severe burns.

Inhalation: Inhalation of the substance at room temperature is unlikely.
At elevated temperatures, it may produce fumes or vapors that may cause undesirable systemic effects. Becoming irritating to the respiratory tract, that may cause dizziness and breathing difficult.

Ingestion: Low oral toxicity.

2.4 Identification NFPA 704:

Health hazard: 1; not dangerous
Flammability: 1; (>93°C)
Reactivity: 0; stable

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3. COMPOSITION/INFORMATION ON INGREDIENTS:

3.1 Identification of the substance:	Product formed by mixture of polymeric materials.
3.2 Regulation (EC) No 1272/2008:	not classified
Directive 67/548/EEC:	not classified
Directive 1999/45/EC:	not classified

4. FIRST AID MEASURES:

4.1 Description of first aid measures:

4.1.1 Eyes

Solid:

If it was entering the eyes, you must remove it as a foreign body. First verify that the injured does not wear contact lenses and if so remove them. Rinse and wash carefully, also under the eyelids occasionally lifting the upper and lower, with plenty of water for at least 5 minutes. Seek medical assistance as it can cause irritation.

Liquid:

If hot product fell over on the eyes, cool rapidly with cold water to the affected area to dissipate the heat for at least 5 minutes. Do not try to remove the product once it has solidified without medical assistance.

4.1.2 Skin contact:

Solid:

Wash with abundant soap and water.

Liquid:

If hot product falls on the skin, cool rapidly with cold water to the affected area to dissipate the heat for at least 5 minutes. Seek medical assistance. Do not try to remove the product after it has solidified. Do not put ice on burns. Carefully remove clothing that is not stuck. Never attempt to remove pieces of clothing that are stuck to the burnt skin, instead, cut around it.

4.1.3 Inhalation:

Remove victim to uncontaminated area or outdoors, keep at rest in a position comfortable for breathing, if a victim is unconscious and breathing, place in the recovery position, administer oxygen if necessary. If the victim has difficulty breathing, is unconscious and not breathing, ensure that there is not impediment to the respiration, and if necessary, have properly prepared people to provide artificial respiration. If necessary, apply cardiac massage. Seek medical assistance.

4.1.4 Ingestion:

Not frequent. The intestinal absorption is very low. Seek medical assistance. Rinse mouth with water. Remove dentures if possible. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Provide water. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed by medical personnel. If vomiting occurs, keep head low so that vomit does not enter the lungs. Get medical attention if effects persist or are severe health effects. If unconscious, place in recovery position and get medical attention immediately. Ensure good air circulation. Loosen tight clothing may, as a collar, tie, belt or waistband. Seek medical assistance.

4.2 Most important symptoms and effects: See Section 2 and Section 11 of this document.

4.3 Indication of any immediate medical attention and special treatment needed:

There is no specific antidote. Monitor breathing and pulse. Take action functional as symptoms, treat symptomatically to relieve any effect. Contact treatment specialist immediately if swallowed or inhaled a lot. Individuals with previous lung disease may have increased susceptibility to the effects of exposure. When using high pressure equipment, injection of the product may occur.

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4.7 Other Information for doctor:

There is no specific antidote. Take action functional as symptoms, treat symptomatically. Contact treatment specialist immediately if swallowed or inhaled a lot quantity. Individuals with previous lung disease may have increased susceptibility to the effects of exposure. When using high pressure equipment, injection of the product may occur.

4.8 Protection of first-aiders (lifeguard):

Use personal protective equipment. No action shall be taken involving any personal risk or without suitable training.

5. FIRE FIGHTING MEASURES:

5.1 Extinguishing media:

Suitable:

Carbon dioxide (CO₂), Dry Chemical Powder Fire Extinguishing, Fire-fighting Foam (AFFF), water mist and water spray. Other inert gases (subject to the provisions indicating). Sand or earth.

Unsuitable:

Do not use direct water jets.

5.2 Special hazards arising from the substance or mixture:

Fire and explosion hazards:

Non-combustible.

Hazardous products of combustion:

The decomposition of the product leads to the formation of carbon oxides such as carbon monoxide or carbon dioxide, nitrogen oxides, carbon black, aldehydes, ketones, volatile fatty acids, combustion products incomplete, unknown hydrocarbons and other toxic gases.

5.3 Advice for firefighters:

- Evacuate area: Promptly isolate the scene by removing all persons from the vicinity of the place of the incident.
- Avoid direct contact of the product with the flames and high temperatures.
- Remove containers from fire area if it can be done without risk.
- Avoid leakage / spillage from the site where fire control or dilution flows / inflows, sewers or drinking water supply.
- Avoid inhalation of the substance or combustion products.
- Locate on upwind and keep out of low areas.
- Do not scatter spilled material with high pressure water.
- Stack spilled material for further processing.
- Use extinguishing agents suitable for surrounding fires.
- Firefighters must use standard protective equipment and in enclosed spaces, self-contained breathing apparatus (SCBA – acronym in English).
- Firefighters should use:
 - Appropriate protective equipment and self-contained breathing apparatus with a full-face piece operated in positive pressure mode.
 - Clothing for firemen (including helmets, protective boots and gloves) conforming to current regulations provide a basic level of protection for chemical incidents.
 - Autonomous Respirators (SCBA - acronym in English) and complete equipment.
- Use water spray to cool fire exposed containers.
- Use a water spray to cool fire exposed surfaces and to protect personnel.
- If you cannot extinguish the fire, leave the area and let the fire extinguished itself.
- Ensure long cooled to prevent re-ignition.

Contraindications:

The water jet can be applied directly to disperse the product. Do not use direct water jets on the burning product; may cause splashing and spread fire. Avoid using water and foam simultaneously in the same surface as the water destroys the foam.

Special hazards:

The melting Product may spread fire. It may produce irritating.

Protective equipment:

Gloves and Heat-resistant suit. SCBA and dense fumes are produced.

Special measures:

No special measures.

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6. ACCIDENTAL RELEASE MEASURES:

In case of spill or accidental leak follow the guidelines laid down in the legal dispositions, local, regional, national or European Union, which is in force and applicable. In necessary case, realize the notification to the relevant authorities.

6.1 Personal precautions, protective equipment and emergency procedures:

Precautions for the personnel:

Insulate the exposed area and evacuate the surrounding area.
Keep away unauthorized personnel, unnecessary or unprotected.
Place the material released in suitable containers for its later disposal.
Avoid the direct contact with spilled product, the product in melt state and the steam inhalation.
Follow the guidelines of the Sections: 5, 7, 8 and 13 of this document.

6.2 Environmental precaution:

Avoid dispersal of spilled material, the contact with the ground, the aquatic environment, the drains and the sewers.
Inform to the pertinent authorities if the product has caused environmental pollution (sewers, waterways, land or air).

6.3 Methods and material for containment and cleaning up:

Land Spill:

Spills should be collected to prevent slipping or sliding. Spilled product presents a risk of slippage on hard surfaces.
Dry small spills: with shovels clean or other means, introduce in suitable vessels, clean and dry. Lightly cover the vessels and move them outside of the spill area.

Water Spill:

Stop leak if you can do it without risk.
Limit the spill immediately with floating barriers. Warn to other shipping.
Dispose the product collecting the spills from the surface.
The spill in water and land spill recommendations are based on the most likely scenario for this product, in any manner, geographic conditions, wind, temperature, (and in the case of the spillage on water) the direction and speed of the waves may influence greatly the right action to develop.
For this reason, local experts should be consulted.

Note: Local regulations may prescribe or limit the action to perform.

7. HANDLING AND STORAGE:

7.1 Handling:

Minimize the generation and accumulation of dust.
Avoid conditions that generate heat during handling.
The tasks of routine housekeeping should be established to ensure that dust does not accumulate on surfaces.
The powder from the product can accumulate electrostatic charges due to friction from the transfer and mixture operations, which may cause an electric spark (ignition source). Provide adequate precautions to ignition sources such as electrical grounding and grounding, inert atmosphere or not sparking tools.
Avoid high temperatures for prolonged periods.
Eliminate all ignition sources (no smoking, sparks or flames in the nearest area).
Prevent small spills and leakage to prevent the risk of slippage.
Do not handle, store or open near -- open flame, heat or ignition sources.
Avoid contact with eyes.
Contact with the skin should be the minimum in accordance to general hygiene practices.
Avoid contact of the hot product.
Avoid inhalation of the product in any state, as well as fumes that can generate.

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| 7.2 Conditions for safe storage: | <p>Store in a cool, dry and well-ventilated places.
 Avoid direct contact with sun's rays; therefore, protect material from direct sunlight.
 Special attention should be paid to avoid improper stowed palletized units or other packaging units.
 Avoid conditions that generate heat during storage. And especially avoid high temperatures for extended periods.</p> |
| 7.3 Specific end use(s): | <p>Not available.</p> |

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION:

8.1 Control parameters:

No specific or special requirements. Under health and safety legislation applicable.

8.2 Exposure controls:

No specific or special requirements, according to applicable health and safety legislation. Not hazardous product in state solid at room temperature.

8.3 Individual protection measures:

Eye protection:

Safety glasses to avoid contact with splashes, especially when working with molten product.

Respiratory protection:

Mask of respiratory protection of agreement current regulations, in the presence of vapors from the melted product, with prolonged exposure, dispersion product, projection, micro projection, injection, spray, ...

If necessary, use respiratory protective equipment (with goggles) approved by regulations in force. Use a purifying mask in case of unknown concentrations or in case of danger to the life/health; use an oxygen mask Air-line mask (combination airline breathing mask) or Air-breathing apparatus (full facepiece).

Skin and body protection:

Solid product:

It is recommended to use gloves, protective clothing and appropriate shoes.

Hand protection:

Should not be needed gloves for chemical protection when handling this product. Contact with the skin should be the minimum according to general hygiene practices.

Liquid product:

Not recommended for handling the product in liquid and / or hot state, in the case of extreme necessity perform the manipulation using gloves, clothes and shoes of thermal protection and chemical resistance, approved by current regulations to make sure these operations or activities.

8.4 Recommendations:



8.5 Other protective equipment:

System eyes washes and showers in the workplace.

General precautions:

Adequate local ventilation. Avoid contact with the melt.

Hygienic practices at work:

Good work practices reduce unnecessary exposures. Adoption of personal hygiene measures, such as washing after handling the material and before eating, drinking, and / or smoking. Routinely, washing clothes and protective equipment to remove contaminants. Discard contaminated clothing and footwear that cannot be cleaned. Maintain / Retain good practices. Hot showers should be used. Using soap and no other solvents.

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9. PHYSICAL AND CHEMICAL PROPERTIES:

9.1 General information:

Physical form:	Solid
Form:	Slabs
Odor:	N.A

9.2 Important health, safety and environmental information:

pH :	N.A	
Typical temperatures:	Congealing point:	N.A
	Flash point:	>200 °C
	Auto ignition :	N.A
	Decomposition :	N.A
Explosives property:	Non-explosive	
Explosive limits:		
Upper limit:	N.A	
Lower limit:	N.A	
Oxidizing property:	N.A	
Vapor pressure at 20 °C:	N.A	
Density at 20°C:	N.A	
Solubility at 20 °C:	N.A	
N-Octanol/Water partition coefficient:	N.A	
Vapor density:	N.A	
Evaporation rate:	N.A	

10. STABILITY AND REACTIVITY:

10.1 Reactivity:	Data not available.
10.2 Stability:	Solid and stable material at room temperature.
10.3 Possibility of hazardous reactions:	Under normal conditions of storage and use, hazardous reactions will not occur.
10.4 Conditions to avoid:	No specific data.
10.5 Incompatible materials:	Oxidizing materials and chlorinated solvents
10.6 Hazardous decomposition products:	Under normal conditions of storage and use, hazardous decomposition products should not be formed.

11. TOXICOLOGICAL INFORMATION:

11.1.-Information on toxicological effects:

Acute toxicity:	Not Available
Irritation:	Not Available
Corrosivity:	Not Available
Sensitization:	Not Available
Repeated dose toxicity:	Not Available
Carcinogenicity:	Not Available
Mutagenicity:	Not Available
Toxicity for reproduction:	Not Available
Information on likely routes of exposure:	Not Available

11.2 Potential acute effects to the health:

Eye Contact:	Causes severe eye irritation.
Inhalation:	Non known significant effects or critical hazards.
Skin Contact:	Non known significant effects or critical hazards.
Ingestion:	Irritating to mouth, throat and stomach

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11.3 Symptoms related to the physical, chemical and toxicological characteristics:

Eye Contact:	pain or irritation, tearing and redness.
Inhalation:	No specific data.
Skin Contact:	No known significant effects or critical hazards.
Ingestion:	No specific data.

11.4 Delayed and immediate effects as well as chronic effects from exposure: not available.

12. ECOLOGICAL INFORMATION:

12.1 Toxicity:	Not available
12.2 Persistence and degradability:	Not available
12.3 Bioaccumulative potential:	Not available
Mobility in soil:	Not available
12.5 Results of PBT and vPvB assessment:	Not available
12.6 Other adverse effects:	No known significant effects or critical hazards
12.7 Results of PBT and vPvB assessment:	Not available

13. DISPOSAL CONSIDERATION:

The waste disposal must be carried out in accordance with the local, regional, autonomous, national legal regulations or of the European Union, which is in force and applicable.

13.1.- Waste treatment methods:

Reuse or recycle material whenever possible.

Waste must be disposed according to the legal provisions in force.

14. TRANSPORT INFORMATION:

14.1 UN Number:		
ADR/RID, ADN/ADNR, IMDG, IATA/DGR:		Not available
14.2 UN proper shipping name:		
ADR/RID, ADN/ADNR, IMDG, IATA/DGR:		Not available
14.3 Transport hazard class (es):		
ADR/RID, ADN/ADNR, IMDG, IATA/DGR:		Not available
14.4 Packaging group:		-
14.5 Environmental hazards:		
ADR/RID, ADN/ADNR, IMDG, IATA/DGR:		No
14.6 Special precautions for users:		
ADR/RID, ADN/ADNR, IMDG, IATA/DGR:		Not available

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code : not apply

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15. REGULATORY INFORMATION:

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

- Regulation (EC) No. 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH), establishing the European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) no 793/93 and Regulation (EC) No. 1488/94 and Directive 76 / 769/CEE and Council Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC. And its subsequent amendments.
 - Regulation (EC) No. 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, and amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No. 1907/2006. And its subsequent amendments.
 - The Hazard Communication Standard (HCS) (29 CFR 1910.1200(g))
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16. OTHER INFORMATION:

16.1 No restriction for this chemical under normal condition of uses.

This MSDS completes the technical data sheet but does not replace it. The information provided in this Safety Data Sheet is correct to the best of our knowledge information and belief at the date of its revision. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, distribution, uses and cleaning, disposal and release in a security state 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 material or in any process unless specified in the text.

We caution the users to the incurred possible risks when the product is used at other ends than the use for which it is planned.

It exempts under no circumstances the user from knowing and applying all the texts regulating its activity. The user will take under its only responsibility the precautions linked to the use which he makes of the product.

Active

Distribution

Company

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