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| Material Safety Data Sheet | Karizab Company |  |
| MSDS-C.S.401-1 | No.57, Moalem st, Shariati ave, Tehran, IRAN | |
| Collection: Chemicals | Name: C.S.401 | |

1- Material specifications and its components


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| Brand | C.S.401 |
| Synonymous names | Anti-corrosion and anti- fouling material |
| Chemical family | A combination of organic materials |

2- General information (protection signs)

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|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|------------|--------------------|
| Toxic material | Flammable materials | stimulants | Corrosive material |
|  | No | No | No |
| | Dangerous for the environment | Explosives | Oxidizing material |
| |  | No | No |

3- Personal protection warnings

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|-----------------|-----------------------------------------------------------------------------------------------------------------------------|
| Eye contact | It will not cause severe irritation to the eyes, but it is necessary to observe safety measures in the use of materials. |
| Skin contact | It will not cause severe irritation to on the skin, but it is necessary to observe safety measures in the use of materials. |
| Swallow and eat | Eating and swallowing it will cause severe discomfort in the digestive system. |


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| Respiration | It will not have severe irritation on breathing, but it is necessary to observe safety measures in the use of materials. |
| Fire | This material does not burn |
| Explosion | Not explosive |
| Environmental effects | It does not have a negative effect on the life of living beings |

4- First aid

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| | Eye contact | Immediately wash the infected eyes with lukewarm water for at least 15 minutes and keep the eyelids open. If you have a contact lens in your eye, remove it immediately and see a doctor. |
| | Skin contact | Wash the infected part of the skin with lukewarm water for at least 15 minutes. |
| | Swallow and eat | Never feed an unconscious person. If he is conscious, give him a lot of water and milk. Do not induce vomiting. See a doctor immediately. |
| | Medical information | Refer to other sources. |

5- Extinguishing the fire

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|  | Fire hazard | This material does not burn. |
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6- Personal care when working with this material


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| | Skin protection | Use resistant gloves, clothes and shoes resistant to chemicals. |
| | Eye protection | Use glasses for chemicals (with rims). In cases where it is possible to spray this material, use a face shield. |
| | Body protection | Gloves, clothes and shoes resistant to chemicals are required in working environments with this material. There must be a water shower and eyewash in the workplace. |
| | Respiratory protection | Use regular masks. |

7- work environment care during the accidental release of the material

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| Protection of the work environment | Close the leak immediately or stop the leak. Do not allow unnecessary people to enter the leaking environment until the contamination is completely removed. Cleaning the contaminated environment should only be done by trained people. These people must use all the required personal safety equipment. The environment must be equipped with a ventilation system. |
| Cleaning the contaminated environment | Wash the contaminated environment with plenty of water. |

8- Waste disposal method

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| Waste disposal of this material | Collect the spilled material as much as possible and move it outside the work environment. |
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9- Handling and storage

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| Handling precautions | Always make sure that the environmental ventilation of the transport area is adequate. If possible, it should be transported in small packages in a well-ventilated environment. Safety equipment and water shower and eye wash and safety facilities and equipment should be available for emergency use. |
| Storage conditions | Store in a dry, cool environment away from heat and direct sunlight. The environment must be equipped with a proper ventilation system. |
| Suitable packaging | Karizab Company delivers C.S.401 materials to its customers in special 20-liter barrels. In case of emptying in other containers, use resistant plastic containers. Note that when containers are not in use, their lids should be closed. |

10- Physical and chemical characteristics

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| Physical state | Liquid |
| Physical form | Thick liquid |
| Color | Dark brown |
| Smell | Odorless |
| Acidity- pH | 10 (0.1 N solution) |
| Upper-lower explosion limit | Not explosive. |
| Self-ignition temperature | Not flammable. |
| Flash point | This material does not burn |

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11- Bio-ecological information

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| General considerations | If left in the soil, it does not decompose biologically, but it does not penetrate into the underground water. Changes in the natural pH of the environment cause changes in the growth of living beings. |
| Behavior in the environment | It makes the environment unfavorable for animals. |
| Effect on the aquatic environment | This material is harmful due to the change in the pH of the water. |

12- Stability and interactions

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|------------------------|-------------------------------------------------|
| Stability | This material is stable under normal conditions |
| Avoidance environments | Direct sunlight |

13- Transportation regulations

To move this product on the roads inside Iran, the regulations of the Ministry of Roads and Transport and the Traffic Police must be followed.

According to the Karizab company and the technical unit of the Karizab company, the information provided above is the most correct and complete information that is accessible, and Karizab company will not be responsible for any obligation, responsibility or damage due to the use of this information. Consumers should check the appropriateness of this information for their business purposes.