Most important

symptoms/effects, acute and

delayed

Indication of immediate medical attention and special Treat symptomatically.

treatment needed

General information Ensure that medical personnel are aware of the material(s) involved, and take precautions to

carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons.

Water fog. Foam. Dry chemical powder. Carbon dioxide (CO2).

Use water spray to cool unopened containers.

Do not use water jet as an extinguisher, as this will spread the fire.

Direct contact with eyes may cause temporary irritation.

protect themselves.

5. Fire-fighting measures

Suitable extinguishing media

Unsuitable extinguishing

media

Specific hazards arising from the chemical

Special protective equipment

and precautions for firefighters Fire fighting

equipment/instructions

Specific methods

Use standard firefighting procedures and consider the hazards of other involved materials.

General fire hazards No unusual fire or explosion hazards noted.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Methods and materials for

containment and cleaning up

Environmental precautions

7. Handling and storage

Precautions for safe handling

Conditions for safe storage, including any incompatibilities

Avoid contact with eyes, skin, and clothing. Avoid inhalation of vapors. Keep unnecessary personnel away. For personal protection, see section 8 of the SDS.

During fire, gases hazardous to health may be formed. Upon decomposition, this product emits

Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

Stop the flow of material, if this is without risk. Following product recovery, flush area with water. For waste disposal, see section 13 of the SDS. The miscibility and distribution of this product in water has not been determined.

Avoid discharge into drains, water courses or onto the ground.

Avoid contact with eyes, skin, and clothing. Avoid breathing vapor. Observe good industrial

hygiene practices. For personal protection, see Section 8 of the SDS.

Store in tightly closed container. Store away from incompatible materials (see Section 10 of the SDS).

8. Exposure controls/personal protection

Occupational exposure limits

Biological limit values Appropriate engineering

controls

This mixture has no ingredients that have PEL, TLV, or other recommended exposure limit.

No biological exposure limits noted for the ingredient(s).

Use adequate ventilation to control airborne concentrations below the exposure limits/guidelines. If user operations generate a vapor, dust and/or mist, use process enclosure, appropriate local exhaust ventilation, or other engineering controls to control airborne levels below the recommended exposure limits/guidelines.

Individual protection measures, such as personal protective equipment

Eye/face protection

Wear safety glasses with side shields (or goggles).

Skin protection

Hand protection

Suitable chemical protective gloves should be worn when the potential exists for skin exposure. The choice of an appropriate glove does not only depend on its material but also on other quality features and is different from one producer to the other. Nitrile gloves are recommended.

Other

Wear appropriate chemical resistant clothing if applicable.

Respiratory protection

If engineering controls do not maintain airborne concentrations to a level which is adequate to protect worker health, an approved respirator must be worn. Respirator selection, use and maintenance should be in accordance with the requirements of OSHA Respiratory Protection

Standard 29 CFR 1910.134 and/or Canadian Standard CSA Z94.4.

Thermal hazards

Wear appropriate thermal protective clothing, when necessary.

General hygiene considerations

Version: 01

Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective

equipment to remove contaminants.

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