



LET'S DO OUR BEST TOGETHER.

**Risk Assessment and Disaster Management plan of Shreenath Mahaskoba Sakhar  
Karkhana Ltd. Patethan, Tal: Daund, Dist: Pune:**

**Risk Assessment Process**

It is the process of identifying and analyzing inherent and residual risks to the achievement of an organization's objectives.

**STORAGE OF ALCOHOL**

The Dangerous Substances and Explosive Atmospheres create risks from the indoor storage of Dangerous Substances to be controlled by elimination or by reducing the quantities of such substances in the workplace to a minimum and providing mitigation to protect against foreseeable incidents.

Containers of alcohol should be kept Close. These should be located in designated areas that are possible away from the immediate processing area and do not jeopardise the means of escape from the workroom/working area. The flammable liquids should be stored separately from other dangerous substances that may enhance the risk of fire or compromise the integrity of the container.

The ethanol is flammable liquid and to handle and store properly as per the AP-42 guidelines of USEPA Section 7.1. This project is having storage of ethanol of about 30 KLPD. The storage involves 4 no of bulk storage available. The dimension in the above mentioned Table. The plant is having capacity of 330 days storage capacity.

- **Handling:** Wash thoroughly after handling. Use only in a well-ventilated area. Ground and bond containers when transferring material. Use spark-proof tools and explosion proof equipment. Avoid contact with eyes, skin, and clothing. Empty containers retain product residue, (liquid and/or vapor), and can be dangerous. Keep container tightly closed. Avoid contact with heat, sparks and flame. Avoid ingestion and inhalation. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose empty containers to heat, sparks or open flames.
- **Storage:** Keep away from heat, sparks, and flame. Keep away from sources of ignition. Store in a tightly closed container. Keep from contact with oxidizing materials. Store in a cool, dry, well-ventilated area away from incompatible substances. Flammables-area. Do not store near perchlorates, peroxides, chromic acid or nitric acid.

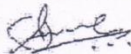
• **Mitigation measures**

May good engineering practices.

The rotation of employees in shift should be followed so as to reduce their exposure to noise sources for longer period. Hearing protective devices in the form of ear muff and plug should be used to reduce employee's exposure to high noise levels.

Comprehensive hearing conservation programs should be carried out to identify noise sources for its prevention/control. Noise monitoring and medical surveillance should be carried out at regular intervals so as to assess the workers exposures to noise and corrective measures.

For M/s. Saitech Research & Development Organization

  
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Director



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