Product Safety Summary Sheet

DuPont™ Lecithins, acetylated

Chemical Identification, Product Identification or Common Name:
CAS number: 91053-50-8
CAS name: Lecithins, acetylated
EC Number: 293-316-5
Other name(s): Acetylated lecithin

Product Uses and Applications:
Lecithin is originally sourced from soy beans and other plant sources. Acetylated lecithin is used as a food ingredient and food additive. It is also used as a liquid carrier for plastics additives, dyes or pigments. Its primary functions are as an emulsifier and release agent.

Physical Properties of the Chemical or Product:
Acetylated lecithin is a brown, viscous liquid with a melting point of less than -25 ºC and a boiling point range of 110-160 ºC, with decomposition. The substance is not flammable and not explosive.

The oil-free form of acetylated lecithin is a yellowish powder or granule.

Exposure Potential:

Workplace exposure:

Workers should follow the recommended safety measures contained within the (Material) Safety Data Sheet ((M)SDS) and on any product packaging. Because worker exposure to acetylated lecithin will likely occur through dermal or inhalation routes, employees should be trained in the appropriate work processes, safety equipment, and personal protective equipment (PPE) as appropriate to limit exposure to chemical substances. Occupational use of this substance is considered to be safe provided the recommended safety measures given in the (M)SDS are followed.

Consumer exposure:
Consumers are exposed to acetylated lecithin through food products and through its use in a wide variety of industrial applications including dyes and pigments.

Environmental exposure:
Should acetylated lecithin be released into the environment, it is considered readily biodegradable. Such degradability is expected to occur regardless of the environmental media in which the chemical resides. Acetylated lecithin is not persistent in the environment.

Health Information

Note: The information contained in this section may be useful to someone handling the pure undiluted substance such as a manufacturer or transporter. Consumers are not likely to come in contact with the pure substance. For more information on health hazards and recommended protective equipment, please refer to the (M)SDS.

Exposures may affect human health as follows:

Effect Assessment	Result
Acute Toxicity	Oral: No toxicologically significant effects were found at the highest dose tested. Inhalation: No toxicologically significant effects were found at the highest dose tested. Dermal: No toxicologically significant effects were found at the highest dose tested.
Irritation	Skin: Not irritating. Eye: Not irritating.
Sensitization	Not sensitizing.
Mutagenicity	Not mutagenic.
Carcinogenicity	Not carcinogenic.
Toxicity after repeated exposure	No long term effects.
Toxicity for reproduction	Not a reproductive or developmental toxin.

Environmental Information

Note: The information in this chapter is intended to provide brief and general information of this substance's environmental impact. The results in the table below refer to testing performed with the non formulated, undiluted substance. The data does not replace the data given in the (M)SDS. For more information and recommended protective measures, please refer to the (M)SDS.

Effect Assessment	Result
Aquatic Toxicity	Practically non-toxic to aquatic organisms.
Biodegradability Persistence	Readily biodegradability. Not expected to be persistent.
Bioaccumulation potential	Not expected to bioaccumulate.

Risk Management

Workplace Management:

Risk management measures for industrial site use include containment through engineering controls and the use of personal protective equipment (PPE) as appropriate. Always refer to the (Material) Safety Data Sheet ((M)SDS) for guidance on the appropriate personal protective equipment to be used and on the safe handling of this material.

Consumer Risk Management:
Consumers who are allergic to a lecithin source material may wish to mitigate their dietary exposure to that lecithin. When used in foods, lecithins that are derived from a major food allergen must be labeled with their source.

Regulatory Information:
Always refer to the (Material) Safety Data Sheet ((M)SDS) for guidance on regulatory restrictions that may govern the manufacture, sale, transportation, use and/or disposal of this chemical or product. Regulations may vary by region, country, state, county, city, or local government.

First Aid Information:
For all First Aid or Emergency information, consult the (Material) Safety Data Sheet ((M)SDS).

Information Sources:
Data is compiled from a variety of sources, including publicly available documents, internal data and other sources such as, but not limited to, Chemical Safety Reports and (Material) Safety Data Sheets ((M)SDS).

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