



---

---

# 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 °C and a boiling point range of 110-160 °C, 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.<br>Inhalation: No toxicologically significant effects were found at the highest dose tested.<br>Dermal: No toxicologically significant effects were found at the highest dose tested. |
| Irritation                       | Skin: Not irritating.<br>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          | Readily biodegradability.                   |
| Persistence               | 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).

### **Contact Information:**

E.I. du Pont de Nemours and Company, Wilmington, DE 19880

USA Customer Service:

Toll Free: 1-800-774-1000

Global: 1-843-335-5912

Hours: 8:00 a.m. - 7 p.m. EST

*Copyright © 2012 DuPont or its affiliates. All rights reserved. The DuPont Oval Logo and DuPont™ are registered trademarks of E.I. du Pont de Nemours and Company or its affiliates. No part of this material may be reproduced, stored in a retrieval system or transmitted in any form or by any means electronic, mechanical, photocopying, recording or otherwise without the prior written permission of DuPont.*

*This document is provided for informational purposes only and is based on technical information that to the best knowledge of DuPont on the date issued, is believed to be reliable. This document refers only to the specific material named and does not relate to its use in combination with any other material or process. This document is provided at no charge and accordingly, no warranties of any kind, express or implied, are made regarding the technical data and information provided. Furthermore, DuPont assumes no liability or obligation in connection with use of this information. To obtain the most accurate and current information, consult the appropriate Safety Data Sheet (SDS) prior to use of the material named herein. DuPont reserves the right to amend and update this information at any time.*