



## Regulatory Data Sheet

### ACULYN™ 33 Polymer

Information provided in this Regulatory Data Sheet (RDS) does not indicate Dow product availability in all countries aligned with the below regulations. Please contact Dow to confirm availability of product in specific countries.

#### Global Chemical Inventory Compliance

Country	Inventory	Status
Australia	AIIC	All substances contained in this product are listed on the Australian Inventory of Industrial Chemicals, or are not required to be listed.
Canada	DSL	All substances contained in this product are listed on the Canadian Domestic Substances List (DSL) or are not required to be listed.
China	IECSC	All intentional components are listed on the inventory, are exempt, or are supplier certified.
Japan	ENCS	All intentional components are listed on the inventory, are exempt, or are supplier certified.
Korea	KECI	All intentional components are listed on the inventory, are exempt, or are supplier certified.
New Zealand	NZIoC	There is no requirement to list components of this product on the New Zealand Inventory of Chemicals (NZIoC).
Philippines	PICCS	All intentional components are listed on the inventory, are exempt, or are supplier certified.
Switzerland	EINECS	This product contains notifiable chemical substance(s) not on the EINECS Inventory. It may be used for research and development purposes only, and only under the supervision of a technically qualified individual. All persons engaged in research and development with this product must be informed of the hazard information in this Safety Data Sheet (SDS).
Taiwan	TCSI	All intentional components are either listed on the Inventory or exempted by regulations, or certified by vendors of their supply chemicals.
United States of America (USA)	TSCA	All components of this product are in compliance with the inventory listing requirements of the U.S. Toxic Substances Control Act (TSCA) Chemical Substance Inventory.

## **REACH**

REACH requires the registration of substances when they are manufactured or imported into the European Economic Area (EEA) at a volume of one metric ton or more per annum per legal entity. We hereby confirm that every REACH relevant substance in the composition of the above Dow product(s), made available on the EEA Market by Dow, has been accordingly covered under REACH, either via own registration or supplier coverage for the relevant tonnage band, and is therefore compliant with the REACH regulation (EC) N° 1907/2006 as per the official ECHA list published on the ECHA website <https://echa.europa.eu/information-on-chemicals/registered-substances>. The above statement is only valid for volumes imported into or manufactured within the EEA by Dow and placed on the market within the EEA. For customers based outside the EEA importing Dow products or products containing Dow products into the EEA, please note that these imports are not covered under the EEA Dow Legal Entity(ies) registrations. It is the obligation of the importer to ensure REACH compliance unless an agreement is in place that allows the importing non-EEA company's volumes to be covered under the Dow Only Representative Trustee model, which covers volumes of indirectly imported Dow products under the existing Dow registrations. The possibility of providing a Dow Only Representative Trustee coverage needs to be evaluated for each REACH relevant substance. For information on our products and REACH, visit the Dow REACH page <https://reach.dow.com/en-us>.

## **REACH Substances of Very High Concern (SVHC)**

If any Substances of Very High Concern (SVHC) listed on the ECHA candidate list are above 0.1% they will appear in Section 15 of the European SDS. For information on presence of any Substance of Very High Concern (SVHC) in our product versus the most updated list version as defined by the European Chemical Agency, please contact the Customer information group at: <http://www.dow.com/en-us/contact-us-cig>

## **Dietary Laws**

### **Halal**

This product does not contain ethanol, natural L-cysteine extracted from hair or feathers; animal fats and/or animal extracts; bloods of any origins; blood plasma; pork; and/or other meat by-products. Additionally, none of the components listed above are known by us to be present as impurities or by-products in any of the ingredients used to make this Product. Finally, ethanol is not used as a processing aid nor is it believed to be present as an impurity or by-product in this Product.

### **Kosher**

This product is not Kosher certified.

## **Environment - Air**

### **Clean Air Act**

To the best of our knowledge, with regards to the Clean Air Act, Section 112(b), this product does not contain any Hazardous Air Pollutants (HAPs) at or above 0.1%. To the best of our knowledge, this product does not contain any components that are listed on the Clean Air Act Sec. 602 Class I and II Ozone Depleting Substances List (40 CFR 82).



**Environment - Water**

**Clean Water Act Statement**

To the best of our knowledge, this product does not contain any components that are listed on the Clean Water Act Toxic Pollutant List in 40 CFR 401.15.

**Hazard Information Reporting (RTK)**

**California Prop. 65**

This product contains a chemical that is at or below California Propositions 65's "safe harbor level" as determined via a risk assessment. Therefore, the chemical is not required to be listed as a Prop 65 chemical on the SDS or label.

**Irradiation**

**Irradiation**

This product does not contain material that has been irradiated nor has it been manufactured at any stage with irradiation.

**Metal Regulations**

**Conflict Minerals (Dodd-Frank Wall Street Reform and Consumer Protection Act)**

The Product is not intentionally formulated with tantalum, tin, tungsten or gold, nor are we aware that the Product contains tantalum, tin, tungsten or gold. However, we do not specifically analyze for the presence of these substances; therefore, we cannot guarantee the absence or level of these substances to any specific limit or threshold value.

**Coalition of Northeastern Governors (CONEG)**

The following substances – cadmium, chromium VI, lead, or mercury, are not intentionally added to this product. Heavy metals are not expected to be present unless at trace levels as unknown impurities from the raw materials. This information is based upon our theoretical composition, data from our raw material manufacturers, and knowledge of our manufacturing process. Please note that we do not test our finished product for the presence of heavy metals. Coalition of Northeastern Governors (CONEG) legislation applies to the finished article.

**EU 94/62/EC - Packaging and Packaging Waste**

Dow does not routinely analyze for additional materials that are not listed in the MSDS or Sales Specification. Specifically, while we have not analyzed for heavy metals referenced in EU Directive 94/62/EC (Cadmium, Hexavalent Chromium, Lead, Mercury), they are not known to be present in this product.



## Origin

### Animal Derived Components (BSE/TSE)

To the best of our knowledge, this product is not manufactured or formulated with ingredients of animal origin. The manufacturing equipment for the product is not used for the manufacture of products of animal origin or products containing ingredients of animal origin. This product is not stored with products of animal origin or products containing ingredients of animal origin.

### Genetically Modified Organisms (GMO)

One of the raw materials used in manufacture of one of the monomers used in the polymerization of the key ingredient in this product may have been derived from genetically modified organisms (GMO). To the best of our knowledge, no other raw materials used in the manufacture of this product have been derived from genetically modified organisms.

### Palm Oil

Palm oil, as such, is not used in the manufacturing of this product; however, palm oil derivatives are used in the manufacturing of one or more raw materials utilized in the production of this product. These palm oil derivatives are purchased from suppliers which are not members of the "Roundtable on Sustainable Palm Oil" (RSPO).

## Origin

The Product is made from synthetic and plant sources.

## Preservative

### Preservatives

A 3:1 mixture of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (CAS RN 55965-84-9) is intentionally added to this product.

## Volatile Organic Compound

### Volatile Organic Compounds (VOC)

For VOC information, please consult your local EHS contact.

## General/Global Regulations

### Food Allergens

To the best of our knowledge, there are no substances present in the Product that are listed in Annex II of Regulation (EU) 1169/2011 of the European Parliament and of the Council: cereals containing gluten ( i.e. wheat, rye, barley, oats, spelt, kamut or their hybridised strains), crustaceans, eggs, fish, peanuts, soybeans, milk (including lactose), nuts (i.e. Almond (*Amygdalus communis* L.), Hazelnut (*Corylus*



avellana), Walnut (*Juglans regia*), Cashew (*Anacardium occidentale*), Pecan nut (*Carya illinoensis* (Wangenh.) K. Koch), Brazil nut (*Bertholletia excelsa*), Pistachio nut (*Pistacia vera*), Macadamia nut and Queensland nut (*Macadamia ternifolia*)), celery, mustard, sesame seeds, sulphur dioxide, sulphites, lupin or molluscs and products thereof. We are unaware of any potential sources for the introduction of any substances of concern from the manufacturing and packaging processes, nor from the packaging components themselves. We do not specifically analyze for the presence of these substances. Therefore, we cannot guarantee the level of these substances to any specific limit or threshold value.

### **CMR**

No substances greater than 0.1% classified as Carcinogenic, Mutagenic or toxic for Reproduction (CMR), of Categories 1A, 1B or 2 under Annex VI of Regulation (EC) N°1272/2008 are present in the product.

### **Endocrine Disruptors Statement**

To the best of our knowledge, this product does not contain endocrine disruptors.

### **Micro Specifications**

For the current microbiological sales specifications, please request a Sales Spec document for this product from The Dow Customer Information Group at <http://www.dow.com/en-us/contact-us-cig>

### **Recommendation 2011/696/EU on the definition of nanomaterial**

To be best of our current knowledge, we hereby confirm that this product does not meet the definition of nanomaterial as provided in the Commission Recommendation 2011/696/EU.

### **Belgium**

We understand the Belgian Royal Decree of 27 May 2014 concerning the placing on the market of substances produced in nanoparticulate state, to define nanoparticles in accordance with the European Commission Recommendation 2011/696/EU, being however limited to (i) mixtures which are intentionally manufactured to contain nanoparticles where those nanoparticles are not linked or bound within those mixtures, and (ii) substances which are intentionally manufactured as nanoparticles. Moreover, our interpretation is that the Belgium Decree does not apply to (i) biocides, (ii) medicinal products for human or veterinary use, (iii) (products intended to come into contact with) foodstuff, (iv) animal feed or (v) technological aids or other products that may be used for processing ingredients of agricultural origin, and (vi) cosmetic products. To be best of our current knowledge, we hereby confirm that this product does not meet the aforementioned definition.

### **France**

We understand the French Decree 2012-232 related to the annual declaration of nanomaterials in France and accompanying Ministerial Order of August 6, 2012 to define nanoparticles in accordance with the European Commission Recommendation 2011/696/EU, being however limited to (i) mixtures which are intentionally manufactured to contain nanoparticles where those nanoparticles are not linked or bound within those mixtures, and (ii) substances which are intentionally manufactured as nanoparticles. To be best of our current knowledge, we hereby confirm that this product does not meet the aforementioned definition.



**Residual Solvents**

None of the Class 1, Class 2, and Class 3 Residual Solvents specified in USP General Chapter <467> effective on 1 JUL 2008 are used in the manufacture of this product.

**EU Directive 2011/65/EU (RoHS)**

EU Directive (EU) 2015/863 EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment requires that such equipment placed on the EU market contain no more than 0.1% Lead (Pb), Mercury (Hg), Hexavalent Chromium (Cr6+), polybrominated biphenyl (PBB), polybrominated biphenyl ether (PBDE), Bis(2-Ethylhexyl) phthalate (DEHP), Benzyl butyl phthalate (BBP), Dibutyl phthalate (DBP), Diisobutyl phthalate (DIBP) and no more than 0.01% Cadmium (Cd). This product is intended for personal care applications and does not fall within the scope of this directive. However if this product is used as a raw material in the manufacture of any components of electrical and electronic equipment, Dow can confirm the following: 1. Dow does not intentionally use any of the substances listed above in the manufacture of this product. 2. Based upon data from our raw material suppliers, knowledge of the manufacturing process, and heavy metals analyses of this product, Dow has no reason to believe that these substances are present.

**TSCA 12b**

We have reviewed the composition of the Product for the presence of TSCA 12b listed substances. Based on that review, the Product does not contain chemical components subject to TSCA section 12(b) export notification.

**Substances and Compounds**

The following substances are not expected to be present in this Product. We may not specifically analyze for the presence of these substances in the Product. Therefore, we cannot guarantee the absence or level of these substances to any specific limit or threshold value:

Alkylphenols and Alkylphenol Ethoxylates  
Aluminum (Al) or aluminum compounds  
Antimony (Sb) or antimony compounds  
Aromatic Amines  
Arsenic (As) or arsenic compounds  
Asbestos  
Azo compounds  
Barium (Ba) or barium compounds  
Beryllium (Be) or beryllium compounds  
Bismuth (Bi) or bismuth compounds  
Bisphenol A  
Boron (B) or boron compounds  
Cadmium (Cd) or cadmium compounds  
Ceramic fibers  
Cerium/Cerium Compounds  
Chlorofluorocarbons  
Chromium (Cr) or chromium compounds



## ACULYN™ 33 Polymer

Cobalt (Co) or cobalt compounds  
Copper (Cu) or copper compounds  
Dimethyl Fumarate  
Fluorotelomer  
Formaldehyde  
Glycol Ethers classified as Reprotox 1A or 1B  
Gold or Gold compounds  
Halogenated Flame Retardants  
Hydrochlorofluorocarbons (HCFC)  
Hydrofluorocarbons (HCF)  
Natural Rubber Latex (NRL)  
Lead/Lead Compounds  
Lithium (Li) or lithium compounds  
Magnesium/Magnesium Compounds  
Manganese (Mn) or manganese compounds  
Mercury (Hg) or mercury compounds  
Nickel (Ni) or nickel compounds  
Nitrosamines  
Ozone Depleting Substances  
Perfluorooctane sulfonate (PFOS)  
Perfluorooctanoic acid (PFOA)  
Phenol  
Phthalates - as listed on the EPA Phthalates Action Plan  
Colorants or pigments  
Polyaromatic Hydrocarbons  
Polybrominated Biphenyls (PBB)  
Polybrominated Diphenyl ether (PBDE)  
Polychlorinated Biphenyls (PCB)  
Polyvinyl Chloride (PVC)  
Radioactive substances  
Selenium (Se) or selenium compounds  
Silver (Ag) or silver compounds  
Strontium/Strontium Compounds  
Tantalum/Tantalum Compounds  
Tellurium (Te) or tellurium compounds  
Thallium (Tl) or thallium compounds  
Tungsten (W) or tungsten compounds  
Vanadium/Vanadium Compounds  
Zinc (Zn) or zinc compounds  
Zirconium/Zirconium Compounds  
Tin/Tin compounds/Organic Tin  
Pesticides

### **Product Specification**

For product specifications, please request a Sales Spec document for this product from The Dow Customer Information Group at <http://www.dow.com/en-us/contact-us-cig>.



**Composition Statement**

For information on the components of our product and their concentration, please refer to the Safety Data Sheet (SDS) and the Sales Specification. Any hazardous constituents above regulatory disclosure cut-off limits determined according to their regional and/or specific GHS classification(s) will appear in the ingredients section of the SDS. In addition, consult the Hazardous Decomposition Products section for further information. You can search <https://www.dow.com/en-us/support/sds-finder.html> for an available SDS.

**Responsible Care**

Dow complies with the American Chemistry Council's Responsible Care® guiding principles, codes, and management system requirements. Dow has recommitted its support for Responsible Care on a global scale by signing the Responsible Care Global Charter under the auspices of the International Council of Chemical Associations (ICCA). Dow has also endorsed the ICCA's Global Product Strategy, an effort by the global chemical industry to further improve its product stewardship efforts. Our EH&S management system is audited regularly to ensure compliance with all applicable governmental requirements, Responsible Care, and internal Dow requirements.

Dow has adopted what we call our "2025 Sustainability Goals" -- ambitious performance improvement goals with a broad external focus: strengthening our relationships with the communities where we operate, continuing to improve our product stewardship and innovation, and reducing our global footprint. In support of these goals, Dow is constantly working to improve our performance through focused EH&S programs such as the Waste Reduction Always Pays (WRAP) program. More information can be found by visiting <https://www.dow.com/en-us.html>.

**Product Stewardship**

Dow has a fundamental concern for all who make, distribute, and use its products, and for the environment in which we live. This concern is the basis for our product stewardship philosophy by which we assess the safety, health, and environmental information on our products and then take appropriate steps to protect employee and public health and our environment. The success of our product stewardship program rests with each and every individual involved with Dow products - from the initial concept and research, to manufacture, use, sale, disposal, and recycle of each product.

**Customer Notice**

Dow strongly encourages its customers to review both their manufacturing processes and their applications of Dow products from the standpoint of human health and environmental quality to ensure that Dow products are not used in ways for which they are not intended or tested. Dow personnel are available to answer your questions and to provide reasonable technical support. Dow product literature, including safety data sheets, should be consulted prior to use of Dow products. Current safety data sheets are available from Dow.

**Medical Applications Policy**

NOTICE REGARDING MEDICAL APPLICATION RESTRICTIONS: Dow does not support or intend for its products to be used in:

- long-term or permanent contact with internal bodily fluids or tissues. "Long-term" is contact which exceeds 29 calendar days;
- use in cardiac prosthetic devices regardless of the length of time involved ("cardiac prosthetic devices" include, but are not limited to, pacemaker leads and devices, artificial hearts, heart valves, intra-aortic balloons and control systems, and ventricular bypass-assisted devices);
- use as a critical component in medical devices that support or sustain human life; or
- use specifically by pregnant women or in applications designed specifically to promote or interfere with human reproduction.
- use as an ingredient of a pharmaceutical injectable application.

Dow requests that customers considering use of Dow products in medical applications notify Dow so that appropriate assessments may be conducted. Dow does not endorse or claim suitability of its products for specific medical applications. It is the responsibility of the medical device or pharmaceutical manufacturer to determine that the Dow product is safe, lawful, and technically suitable for the intended use. DOW MAKES NO WARRANTIES, EXPRESS OR IMPLIED, CONCERNING THE SUITABILITY OF ANY DOW PRODUCT FOR USE IN MEDICAL APPLICATIONS.





**Tobacco and Marijuana Policy**

Dow does not support or intend for its products to be used, directly or indirectly, in the production of tobacco, the manufacture of tobacco products, the manufacture and use of electronic cigarettes/vaping, the production of marijuana, or the manufacture of marijuana products intended for human consumption, where the Dow product (or its residues) may be present in the finished product or be alleged to facilitate the delivery of nicotine, other tobacco components, marijuana, or marijuana components.

**Harmful Applications Policy**

Dow does not intend for its products to be used in applications specifically intended to harm humans.

**Disclaimer**

NOTICE: No freedom from infringement of any patent owned by Dow or others is to be inferred. Because use conditions and applicable laws may differ from one location to another and may change with time, Customer is responsible for determining whether products and the information in this document are appropriate for Customer's use and for ensuring that Customer's workplace and disposal practices are in compliance with applicable laws and other government enactments. The product shown in this literature may not be available for sale and/or available in all geographies where Dow is represented. The claims made may not have been approved for use in all countries. Dow assumes no obligation or liability for the information in this document. References to "Dow" or the "Company" mean the Dow legal entity selling the products to Customer unless otherwise expressly noted. **NO WARRANTIES ARE GIVEN; ALL IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE ARE EXPRESSLY EXCLUDED. NO WARRANTIES ARE GIVEN; ALL IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE ARE EXPRESSLY EXCLUDED.**

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