

Environmental Statement

“Our Commitment and Responsibility to the Environment”

To be “green” or environmentally friendly, at the most basic level is to execute decisions, manage operations and manufacture products with the purpose of minimizing the negative impact on people, nature, and the environment. At Seacole, we strive for purposeful design and formulation of chemistry to prevent, reduce, or eliminate the generation of hazardous products following the “12 Principles of Green Chemistry” endorsed by the American Chemical Society.

Prevention

It is better to prevent waste than to treat or clean up waste after it has been created.

Atom Economy

Synthetic methods should be designed to maximize the incorporation of all materials used in the process into the final product.

Less Hazardous Chemical Synthesis

Whenever practical, synthetic methods should be designed to use and generate substances that possess little or no toxicity to human health or the environment.

Design Safer Chemicals

Chemical products should be designed to effect their desired function while minimizing their toxicity.

Safer Solvents And Auxiliaries

The use of auxiliary substances (e.g., solvents, separation agents, etc.) should be made unnecessary whenever possible and innocuous when used.

Design For Energy Efficiency

Energy requirements of chemical processes should be recognized for their environmental and economic impacts and should be minimized. If possible, synthetic methods should be conducted at ambient temperature and pressure.

Use Of Renewable Feedstocks

A raw material or feedstock should be renewable rather than depleting whenever technically and economically practical.

Reduce Derivatives

Unnecessary derivation (use of blocking groups, protection/ deprotection, temporary modification of physical/ chemical processes) should be minimized or avoided if possible, because such steps require additional reagents and can generate waste.

Catalysis

Catalytic reagents (as selective as possible) are superior to stoichiometric reagents.

Design For Degradation

Chemical products should be designed so that at the end of their function they break down into innocuous degradation products and do not persist in the environment.

Real-time Analysis for Pollution Prevention

Analytical methodologies need to be further developed to allow real-time, in-process monitoring and control prior to the formation of hazardous substances.

Inherently Safer Chemistry for Accident Prevention

Substances and the form of a substance used in chemical processes should be chosen to minimize the potential for chemical accidents, including releases, explosions, and fires.

We believe the “green chemistry” initiative is a motivating opportunity to engineer revolutionary formulations while at the same time promoting environmental stewardship. SeacoleERC, our Environmentally Responsible Chemistries, will carry the SeacoleERC logo and corresponding identifier symbols.

Each symbol corresponds to and identifies a “green” principle instituted by the American Chemical Society. Use the legend illustrated below to learn and understand the green principles defined by each symbol.



VOC Compliant - Formulated To Meet Local, State, And National Restrictions, Limitations, And Thresholds Of Volatile Organic Compounds As Defined By Regulating Authorities.



NO HAP's - Formulated Without Chemical Compounds Classified As Hazardous Air Pollutants Under The Authority Of U.S. Environmental Protection Agency.



NO VOC's - Formulated Without Chemical Compounds Classified As Volatile Organic Compounds Under The Authority Of U.S. Environmental Protection Agency.

Technical Data Sheet



Biodegradable - Formulated To Break Down, Safely And Relatively Quickly, By Biological Means, Into The Raw Materials Of Nature And Disappear Into The Environment.



Contains NO Phosphates - Formulated Without Chemical Compounds Classified As Phosphates.



Contains NO Glycol Ethers - Formulated Without Chemical Compounds Classified As Glycol Ethers.



Contains NO Solvents - Formulated Without Solvents Defined As Toxic To Humans, Aquatic Organisms, And The Environment.



Contains No APE's - Formulated Without Any Chemical Compounds Classified As An Alkylphenol Ethoxylate Surfactant.



pH Neutral - Formulated With A pH of 7 +/- 1.



Non-Flammable - Classified As Having A Flashpoint Of More Than 141°F As Defined By The U.S Department Of Transportation.



Non-Corrosive - Does Not Cause Full Thickness Destruction Of Intact Skin Tissue Within An Observation Period Of Up To 14 Days Starting After The Exposure Time Of More Than 60 Minutes But Not More Than 4 Hours; Or Exhibit A Corrosion On Either Steel Or Aluminum Surfaces Exceeding 6.25 mm (0.25 Inch) A Year At A Test Temperature Of 55 °C (130 °F) When Tested On Both Materials.



Non-Regulated by the D.O.T. - Does Not Meet Any Hazardous Material Regulatory Definitions Set Forth By The U.S. Department Of Transportation.

Look for these identifier symbols and the Seacole ERC logo on our technical data sheets and labels to ensure you are getting the best we have to offer our environment.



SeacoleERC
[Environmentally Responsible Chemistry]

13505 Industrial Park Blvd. Plymouth, MN 55441