TECHNICAL BULLETIN

Hydrolyzed Rice Protein

Hydrolyzed Rice Protein is a soluble, cosmetic grade, vegetable protein, which has been extracted from rice bran (“Orysa Sativa”). Rice protein is known for its bland properties and its use by allergy-prone, sensitive individuals. In addition, rice protein has a special ability to bind with oils. As such, it is a useful ingredient in oil absorbent formulations. It is an excellent film former, adding natural shine and highlights to the hair. This substantive protein also increases the ability of skin and hair to bind moisture. In the hair, this results in increased flexibility and tensile strength. On the skin, increased moisture retention results in a more hydrated and elastic surface. It is also an effective anti-irritant and leaves a smooth, dry feel on skin.

USES
Color cosmetics: make-up bases
Hair care: shampoos, conditioners, styling products
Skin care: moisturizers for sensitive skin, cleansing masks, liquid face soaps

INCI Name: Hydrolyzed Rice Protein

CLASSIFICATION
CAS no. 73049-73-7 & 7732-18-5
EINECS no. N/A & 231-791-2

TYPICAL PROPERTIES
Appearance
Clear, amber liquid*
Odor
Characteristic, mild
Nonvolatile matter (1 g / 1 hr / 105°C)
17.0% - 23.0%
pH, direct
4.0 - 6.0
Ash (800°C)
3.0% maximum
Microbial content when packaged
100 O.P.G. maximum No pathogens