

PRODUCT DATA SHEET

Sika® Stabilizer-4141 TBM

Low-anionic flocculant powder for efficient solid-liquid separation with high to very high precipitation rate

PRODUCT DESCRIPTION

Sika® Stabilizer-4141 TBM is a very high molecular weight polyacrylamide-based flocculant with very low anionic charge density. It is supplied as a free flowing powder.

USES

Sika® Stabilizer-4141 TBM is used for:

- Achieving fast solid-liquid separation, either applied separately or in combination with a cationic flocculant
- Adjusting precipitation rates from high to very high, based on the dosage added to the slurry

CHARACTERISTICS / ADVANTAGES

- Enhances clarification in gravity separation and filtration processes for various mineral or organic substrates. It is particularly useful for conditioning industrial effluents before mechanical or static solid-liquid separation.
- Facilitates economical flocculation and removal of drill solids
- Highly effective in a wide range of applications including mechanical thickening and dewatering, flotation and clarification
- Covers a wide pH range (4–9) with good shear stability during operation

PRODUCT INFORMATION

Chemical Base	Co-polymer of acrylamide & sodium acrylate	
Packaging	1000 kg, per bag Refer to the current price list for available packaging variations.	
Appearance / Color	Free flowing powder, off-white	
Shelf Life	24 months from date of production	
Storage Conditions	The Product is at least stable for four years from date of manufacture if stored in original unopened and undamaged packaging in dry conditions and temperatures between +32 °F and +77 °F (+0 °C and +25 °C). Avoid contact with water prior to make-up. Always refer to packaging. Refer to the current Safety Data Sheet for information on safe handling and storage.	
Density	(0.750 ± 0.01) kg/L	(EN ISO 2811-1)
Flash Point	Not combustible dust	

pH-Value	7.0 ± 1 (1 % solution, at 25 °C)		
Viscosity	Base oil viscosity (25 °C)	25–49 mPa·s	(DIN 53019-1)
Solubility	Soluble in water		

APPLICATION INFORMATION

Recommended Dosage	<p>The dosage of the Product depends on the following conditions involved in the slurry process:</p> <ul style="list-style-type: none"> ▪ Slurry mix design ▪ Type of bentonite ▪ Potential slurry contamination with saline water ▪ Volume of excavated ground in the slurry after first and second stage separation ▪ Ability to create a pre-mixed liquid solution before injection <p>Solution concentrations in the range of 0.1–0.5 % are standard. Note: Preliminary laboratory trials are always recommended to determine the optimum consumption and injection parameters. Contact Sika Technical Services for additional information.</p>
Coverage	0.1–0.5%

SYSTEM INFORMATION

Compatibility	Compatible with Sika® admixtures and other Sika® products. Contact Sika Technical Services for additional information.
----------------------	---

BASIS OF PRODUCT DATA

affected.

Results may differ based upon statistical variations depending upon mixing methods and equipment, temperature, application methods, test methods, actual site conditions and curing conditions.

ENVIRONMENTAL, HEALTH AND SAFETY

User must read the most recent corresponding Safety Data Sheets (SDS) before using any products. The SDS provides information and advice on the safe handling, storage and disposal of chemical products and contains physical, ecological, toxicological and other safety-related data.

APPLICATION INSTRUCTIONS

EQUIPMENT

Corrosion towards most standard materials of construction is very low.

Recommended surfaces:

- Stainless steel
- Fiberglass
- Polyethylene (HDPE)
- Polypropylene (PP)
- Rubberized surface

In some cases aluminum surfaces can be adversely

APPLICATION

Standard mixing parameters:

- Solution: 0.1 %
- Mixing speed: 700 rpm
- Mixing time: no more than 45 minutes

To maximize product solubility, use make-up water as soft as possible and < 25 °C.

1. Dose the Product at an intermediate tank.
2. Mechanically mix the Product in the intermediate tank to ensure total solubility and performance.
Note: At temperatures < 5 °C, longer dissolution times will be required to achieve maximum performance.
3. Add the prepared solution to the slurry just prior to the mechanical separation equipment.
4. This promotes solids settlement and enhances the overall efficiency of the process.

Note: Spilled product is slippery, especially when wet.

OTHER RESTRICTIONS

See Legal Disclaimer.

LEGAL DISCLAIMER

- KEEP CONTAINER TIGHTLY CLOSED
- KEEP OUT OF REACH OF CHILDREN
- NOT FOR INTERNAL CONSUMPTION
- FOR INDUSTRIAL USE ONLY
- FOR PROFESSIONAL USE ONLY

Prior to each use of any product of Sika Corporation, its subsidiaries or affiliates (“SIKA”), the user must always read and follow the warnings and instructions on the product’s most current product label, Product Data Sheet and Safety Data Sheet which are available at usa.sika.com or by calling SIKA’s Technical Service Department at 1-800-933-7452. Nothing contained in any SIKA literature or materials relieves the user of the obligation to read and follow the warnings and instructions for each SIKA product as set forth in the current product label, Product Data Sheet and Safety Data Sheet prior to use of the SIKA product.

SIKA warrants this product for one year from date of installation to be free from manufacturing defects and to meet the technical properties on the current Product Data Sheet if used as directed within the product’s shelf life. User determines suitability of product for intended use and assumes all risks. User’s and/or buyer’s sole remedy shall be limited to the purchase price or replacement of this product exclusive of any labor costs. **NO OTHER WARRANTIES EXPRESS OR IMPLIED SHALL APPLY INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. SIKA SHALL NOT BE LIABLE UNDER ANY LEGAL THEORY FOR SPECIAL OR CONSEQUENTIAL DAMAGES. SIKA SHALL NOT BE RESPONSIBLE FOR THE USE OF THIS PRODUCT IN A MANNER TO INFRINGE ON ANY PATENT OR ANY OTHER INTELLECTUAL PROPERTY RIGHTS HELD BY OTHERS.**

Sale of SIKA products are subject to the Terms and Conditions of Sale which are available at <https://usa.sika.com/en/about-us/terms-conditions-of-sale.html> or by calling 1-800-933-7452.

Sika Corporation

201 Polito Avenue
Lyndhurst, NJ 07071
Phone: +1-800-933-7452
Fax: +1-201-933-6225
usa.sika.com



Product Data Sheet

Sika® Stabilizer-4141 TBM
January 2026, Version 02.01
021404071000000150

SikaStabilizer-4141TBM-en-US-(01-2026)-2-1.pdf

