

Stabilizing Agent TIS-373

1. PRODUCT DESCRIPTION

TIS-373 is a special Stabilizing Agent . TIS-373 improves the stability of suspension concentrate and emulsion in water formulations. Additionally, it's strong affinity for plant surface can greatly promote the efficiency of pesticide. TIS-373 lowers the surface tension of spray solutions and promote rapid uptake of agrochemicals into plants via stomatal infiltration.

2. KEY FEATURES AND TYPICAL BENEFITS

Solve the problem of oil separation of low melting point crude pesticide and water separation of of high salt SC.

Improves stability of SC(Aqueous suspension and Oil emulsion)and EW formulations.

Superspreader for soluble liquid and emulsifiable concentrate formulations.

Promotes spray volume reduction.

Promotes rapid uptake of agrochemicals (rainfastness).

Improves spray coverage.

Nonionic and anionic.

3. TYPICAL PHYSICAL PROPERTIES

Property	Value	Method
Solid content %	55-65	DIN EN ISO 3251
pH	6-8	DIN ISO 976
Viscosity @25°C mPas	50-500	DIN EN ISO 3219/A3
Surface tension (0.1%, mN/m)	28.6	DU NOUY RING METHOD

4. POTENTIAL APPLICATION

TIS-373 spray adjuvant has been used successfully in spray applications globally.

Typical applications include:

Application	Typical use rate ^(a)
Herbicide	0.03% to 0.05%
Insecticide	0.03% to 0.05%
Fungicide	0.03% to 0.05%

(a) Note: use rates are dependent on crop, agrochemical and spray volume requirements.

5. HOW TO USE

IN AGROCHEMICAL FORMULATIONS

TIS-373 may be used as a component in SC (Aqueous suspension and Oil emulsion) and EW formulations. It's recommended that TIS-373 be used at a concentration of at least 5%, based on the total formulation.

(Note:1) the product contains a little anionic substance, so it can not be added in cationic formulations, such as glyphosate and paraquat.

(Note:2) the product contains water, so it can not be added in water decomposition pesticide, such as nicosulfuron.

(Note:3) It's appearance is milky white viscous liquid, so it can not be added in formulations which require transparent appearances.

(Note:4) must seal up after use.

AS A TANK MIX ADJUVANT

TIS-373 when used as a tank-side adjuvant may be used to improve spray coverage, improve uptake or to allow for a reduction in spray volume.

TIS-373 is most effective as a tank-side adjuvant when spray mixtures are 1) within a pH range of 5-8, and 2) used within 24 hours of preparation.

In fact, TIS-373 has the potential to provide adequate coverage in many low volume spray applications at rates between 0.03% and 0.05%.

6. PATENT STATUS

Nothing contained herein shall be construed to imply the nonexistence of any relevant patents or to constitute a permission, inducement or recommendation to practice any invention covered by any patent, without authority from the owner of the patent.

7. PRODUCT SAFETY, HANDLING AND STORAGE

Customers should review the latest Material Safety Data Sheet (MSDS) and label for product safety information, safe handling instructions, personal protective equipment if necessary, and any special storage conditions required for safety.

8. CONTACT INFORMATION

For product prices, availability , or order placement, contact our customer service by visiting <http://www.jxtsxcl.com/contactus.htm> . For literature and technical assistance, visit our website at: www.jxtsxcl.com.

9. OTHER INFORMATION

These data are offered in good faith as typical values and not as product specifications. No warranty, either expressed or implied, is made. The recommended industrial hygiene and safe handling procedures are believed to be generally applicable. However, each user should review these recommendations in the specific context of the intended use and determine whether they are appropriate.