List of US EPA Product Chemistry Requirements – 830 Series, Group B

Data Required	(b) Notes	General Use Patterns	Test Item		Guidelines Reference Number
			Data to Support MP	Data to Support EP	
Color		[R]	MP and TGAI	EP* and TGAI	830.6302
Physical state		[R]	MP and TGAI	EP* and TGAI	830.6303
Odor		[R]	MP and TGAI	EP* and TGAI	830.6304
Melting point	([1])	[R]	TGAI	TGAI	830.7200
Boiling point	([2])	[R]	TGAI	TGAI	830.7220
Density, bulk density, or specific gravity		[R]	MP and TGAI	EP* and TGAI	830.7300
Solubility		[R]	TGAI or PAI	TGAI or PAI	830.7840/7860
Vapor pressure		[R]	TGAI or PAI	TGAI or PAI	830.7950
Dissociation constant		[R]	TGAI or PAI	TGAI or PAI	830.7370
Octanol/water partition coefficient	([3])	[CR]	PAI	PAI	830.7550/7560/7570
pH	([4])	[CR]	MP and TGAI	EP* and TGAI	830.7000
Stability		[R]	TGAI	TGAI	830.6313
Oxidizing or Reducing action	([5])	[CR]	MP	EP*	830.6314
Flammability	([6])	[CR]	MP	EP*	830.6315
Explodability	([7])	[R]	MP	EP*	830.6316
Storage stability		[R]	MP	EP*	830.6317
Viscosity	([8])	[CR]	MP	EP*	830.7100
Miscibility	([9])	[CR]	MP	EP*	830.6319
Corrosion characteristics		[R]	MP	EP*	830.6320
Dielectric breakdown voltage	([10])	[CR]		EP*	830.6321
u.v. /Visible Absortption		[CR]	PAI	EP*, TGAI, PAI	830.7050
Submittal of Samples and other Requirements	([11])	R	TGAI	TGAI	830.1900

Key to Table:

R = Required

CR = Conditionally Required

[ ] = Brackets (*i.e.* , [R],[CR]) indicate data requirements that apply when an experimental use permit is being sought

MP = Manufacturing Use Product, EP* = End Use Product; asterisk indicates those registrants that end-use applicants (*i.e.*, formulators) need not satisfy, if their active ingredient(s) is (are) purchased from a registered source

TGAI = Technical Grade of the Active Ingredient

PAI = Pure Active Ingredient.

(b) *Notes.* The following notes are referenced in column two of the table contained in paragraph (a) of this section.

([1])Required if technical chemical is a solid at room temperature.
([2])Required if technical chemical is a liquid at room temparature.
([3])Required if technical chemical is organic and non-polar.
([4])Required if test substance is dispersible with water.
([5])Required if product contains an oxidizing or reducing agent.
([6])Required if product contains combustible liquids.
([7])Required if product is potentially explosive.
([8])Required if product is a liquid.
([9])Required if product is an emulsifiable liquid and is to be diluted with petroleum solvents.
([10])Required if end-use product is a liquid and is to be used around electrical equipment.
([11])Basic manufacturers are required to provide the Agency with a sample of each TGAI used to formulate a product produced by an integrated system when the new TGAI is first used as a formulating ingredient in products registered under FIFRA. A sample of the active ingredient (PAI) suitable for use as an analytical standard is also required at this time. Samples of end use products produced by an integrated system must be submitted on a case-by-case basis.