

INTRODUCTION

SETALUX 57-1460 is a HAPs – free hydroxyl-functional acrylic polyol for 2K vehicle refinish clear coats and industrial topcoats. Coatings formulated with SETALUX 57-1460 exhibit good overall performance properties. Key properties include fast dry, high build and gloss, good mechanical properties, good chemical resistance and good outdoor durability.

FORM OF DELIVERY (F.O.D.)

68% non-volatile in PCTBF/ methyl acetate (67/ 33 pbw)

TYPE

Hydroxyl – functional acrylic polyol

PRODUCT DATA

Non-Volatile, by wt:	68.0 ± 1.0 %
Viscosity:	Z1 – Z3 Gardner – Holdt
Viscosity, Brookfield: (RVT #4 @ 10 rpm @ 77° F)	2500 – 5000 cps
Acid value (on n.v.):	10 – 14 mg KOH/g
Color:	50 maximum APHA
Appearance:	Clean. Clear and free from extraneous matter
Density:	9.55 ± 0.10 lbs/gal
Non-volatiles, by vol:	69.2%
Flash Point:	14° F Setaf flash
Reduced Viscosity:	F – J Gardner – Holdt @ 60% NV in methyl acetate
HEW on n.v.:	400

PERFORMANCE HIGHLIGHTS

- Ability to formulate very low VOC coatings
- Excellent gloss, DOI and overall appearance properties
- Fast cure and good pot-life
- Excellent flow and leveling

SUGGESTED USES

- Two-component clear coats and solid colors for vehicle refinish
- Two-component industrial topcoats

STORAGE

In the original sealed containers, this product is stable for 3 years at temperatures up to 100°F.

CURING WITH POLYISOCYANATES

Based on 100% conversion of reactive groups the following equation can be used to calculate the quantity of polyisocyanate needed for crosslinking 100 parts (Setalux 57-1460) (on solids):

$$\text{Polyisocyanate (f.o.d.)} = \frac{42 \times 100 \times \text{OH\% (solid resin)}}{17 \times \text{NCO\% (f.o.d.)}}$$

42 = molecular weight of the NCO-group

17 = molecular weight of the OH-group

Anhydrous solvents as well as solvents free of hydroxyl functional groups should be used in the presence of polyisocyanates, as dilution solvents.

PRECAUTIONS

Before using SETALUX 57-1460, see the Safety Data Sheet (SDS) for information on the identified hazards of the material and the recommended personal protective equipment and procedures.

STORAGE AND HANDLING

Care should be taken not to expose the product to high temperature conditions, direct sunlight, ignition sources, oxidizing agents, alkalis or acids. Storage and handling should be in stainless steel, amber glass, amber polyethylene or baked phenolic lined containers. Wash thoroughly after handling. Keep container tightly closed. Use with adequate ventilation. See the SDS for the recommended storage temperature range for SETALUX 57-1460.