$\odot$ 2001 Mineral Data Publishing, version 1.2

Crystal Data: Hexagonal. Point Group: 6/m 2/m 2/m. As roughly equant, barrel-shaped prismatic crystals, deeply etched, to 5 mm.

**Physical Properties:** Fracture: Splintery to conchoidal. Tenacity: Brittle. Hardness =  $\sim 5$  D(meas.) = 2.51(1) D(calc.) = 2.53

**Optical Properties:** Transparent. *Color:* Colorless to very pale pink. *Streak:* White. *Luster:* Vitreous.

Optical Class: Uniaxial (+).  $\omega = 1.516(1)$   $\epsilon = 1.532(1)$ 

Cell Data: Space Group: P6/mcc. a = 10.239(1) c = 13.484(3) Z = 2

**X-ray Powder Pattern:** Mont Saint-Hilaire, Canada. 5.13 (100), 3.253 (100), 2.815 (60), 2.686 (50), 2.956 (40), 1.818 (40), 6.74 (30)

Chemistry:

	(1)
$SiO_2$	77.7
$B_2O_3$	11.4
BeO	0.0
$Li_2O$	0.0
$Na_2O$	6.2
$K_2 O$	5.2
Total	100.5

(1) Mont Saint-Hilaire, Canada; by electron microprobe; corresponds to  $K_{1.00}(Na_{1.87}K_{0.04})_{\Sigma=1.91}$  $B_{3.05}Si_{12.14}O_{30}$ .

Mineral Group: Milarite group.

**Occurrence:** In marble xenoliths within nepheline syenite breccias in an intrusive alkalic gabbro-syenite complex.

Association: Pectolite, apophyllite, aegirine.

Distribution: From Mont Saint-Hilaire, Quebec, Canada.

**Name:** Honors the Poudrette family, operators of the quarry where type material was discovered.

**Type Material:** Canadian Museum of Nature, Ottawa, Canada, 51743 and 51791; National Museum of Natural History, Washington, D.C., USA, 163776.

**References:** (1) Grice, J.D., T.S. Ercit, J. Van Velthuizen, and P.J. Dunn (1987) Poudretteite,  $KNa_2B_3Si_{12}O_{30}$ , a new member of the osumilite group from Mont Saint-Hilaire, Quebec, and its crystal structure. Can. Mineral., 25, 763–766. (2) (1988) Amer. Mineral., 73, 1497 (abs. ref. 1).