

Department of Environment, Great Lakes, and Energy

INTEROFFICE COMMUNICATION

TO: File for sodium aluminate CAS # 1302-42-7

FROM: Doreen Lehner, Toxics Unit, Air Quality Division

DATE: July 31, 2019

SUBJECT: Rescind the Initial Threshold Screening Level for Sodium Aluminate

The Initial Threshold Screening Level (ITSL) for sodium aluminate of 0.1 µg/m³ with annual averaging time is being rescinded.

After reviewing the basis of the sodium aluminate ITSL, it was determined that the lack of toxicity information which prompted the use of Rule 232(1)(i) is inappropriate to use for protection of certain acute inhalation exposures. Sodium aluminate is a highly corrosive chemical and would cause acute irritating effects to the lungs. With these specific hazards, the default value may not be health protective. As there is no chemical specific toxicity data to support a more appropriate and defensible ITSL for sodium aluminate, the ITSL of 0.1 µg/m³ with annual averaging time is being rescinded. Sodium aluminate will be evaluated on a case-by-case basis until chemical specific toxicity information is available to derive a screening level.

DL:lh