

**HANDLING AND SECURITY IN THE SYTHESIS AND PURIFICATION OF
NITROGEN TRIFLUORIDE**

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Meanwhile nitrogen trifluoride is a commercially available product. It is used e. g. as a dry etching agent for semiconductors, as a fluorine source in high energy lasers or as in situ cleaning of chemical vapor deposition equipment. For all applications a more or less high purity of the nitrogen trifluoride is required. Apart from the problems with the synthesis there are many complications regarding the purification and handling of nitrogen trifluoride. A review of problems concerning the synthesis and purification of nitrogen trifluoride will be given.