

NAXOS AUSTRALIA PTY LTD

UNIT1

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21/4/2010

General

Synonyms: aluminum oxide, alumina, aluminium sesquioxide, alundum, abramant, Alumite, Conopal, corundum, dispal M, diadur, dotment 324, dural, exolon XW 60, faserton, jubenon R, ketjen B, lucalox, ludox CL, martoxin, Poraminar, Microgrit WCA, Ludox CL and numerous other trade names

Use: adsorbent, refractory material, catalyst, GC analysis component

Molecular formula: Al_2O_3

[CAS No:](#) 1344-28-1

[EC No:](#) 215-691-6

Physical data

Appearance: white granules or powder

Melting point: 2030 C

Boiling point: 2977 C

Vapour density:

Vapour pressure: 1 mm Hg at 2158 C

Specific gravity: 4.0

Flash point:

Explosion limits:

Autoignition temperature:

Shear strength: 330 MPa

Solubility in water: negligible

Stability

Stable. Incompatible with strong acids, strong bases, ethylene oxide, halocarbons, OF_2 , sodium nitrate, vinyl acetate.

Toxicology

Not hazardous according to Directive 67/548/EEC. 8h TWA typically 10mg m^{-3} .

Toxicity data

(The meaning of any abbreviations which appear in this section is given [here.](#))

IHL-MOUSE TCLO 352 mg m⁻³

Risk phrases

(The meaning of any risk phrases which appear in this section is given [here.](#))

Transport information

appear in this section is given [here.](#))

Non-hazardous for air, sea and road freight.

Personal protection

Minimize exposure.

Safety phrases

(The meaning of any safety phrases which appear in this section is given [here.](#))

S22 S36 S38.

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