

MATERIAL SAFETY DATA SHEET

Date Issued: 09/29/2008
 MSDS No: BS1027
 Date Revised: 12/09/2008
 Revision No: 1

TruEtch™ Aluminum Oxide

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: TruEtch™ Aluminum Oxide
PRODUCT DESCRIPTION: Aluminum Oxide
PRODUCT CODE: 50 micron: 12300, 90 micron: 12400
CHEMICAL FAMILY: Refractory Oxide
MOLECULAR FORMULA: Al₂O₃
GENERIC NAME: Aluminum Oxide

MANUFACTURER

Ortho Technology, Inc.
 17401 Commerce Park Boulevard
 Tampa FL 33647
Product Stewardship: 1-800-999-3161

2. HAZARDS IDENTIFICATION

POTENTIAL HEALTH EFFECTS

EYES: May cause irritation to the eyes.
SKIN: No evidence of adverse effects expected.
INGESTION: Non toxic. May cause irritation of the throat and digestive passageways.
INHALATION: Choking sensation. Respiratory system passageways irritation.

SIGNS AND SYMPTOMS OF OVEREXPOSURE

ACUTE TOXICITY: Individuals with lung disorders should not be exposed to conditions where large airborne quantities of the nuisance dust exist without precautions taken to alleviate the aggravated preexisting medical condition.
CHRONIC EFFECTS: No adverse effects expected.
CARCINOGENICITY: No evidence of carcinogenicity.

MEDICAL CONDITIONS AGGRAVATED: Not expected to be a health hazard.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Wt.%	CAS
Aluminum Oxide (Alpha Alumina)	~ 99	1344-28-1

4. FIRST AID MEASURES

EYES: Immediately flush eyes with plenty of water for at least 15 minutes, lifting upper and lower eyelids occasionally. Get medical attention if irritation persists.

SKIN: Immediately flush skin with plenty of water for at least 15 minutes. Remove contaminated clothing and shoes. Wash before reuse. Thoroughly clean shoes before reuse. Get medical attention if irritation

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develops.

INGESTION: Give several glasses of water to dilute. If large amounts were swallowed, get medical advice.

INHALATION: Remove to fresh air. Get medical attention for any breathing difficulty.

5. FIRE FIGHTING MEASURES

FLAMMABLE LIMITS: Not flammable

FLAMMABLE CLASS: Material is not flammable.

EXPLOSION HAZARDS: None

6. ACCIDENTAL RELEASE MEASURES

SMALL SPILL: Avoid dust during clean up.

COMMENTS: Waste material may be considered as inert material.

7. HANDLING AND STORAGE

COMMENTS: Avoid dust during clean up

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE GUIDELINES

OSHA HAZARDOUS COMPONENTS (29 CFR1910.1200)					
		EXPOSURE LIMITS			
		OSHA PEL		ACGIH TLV	
Chemical Name		ppm	mg/m ³	ppm	mg/m ³
Aluminum Oxide (Alpha Alumina)	TWA	NA = Not Applicable [1]	15*/5^ mg/m ³ [1]	NA = Not Applicable [1]	10*/5^ mg/m ³ [1]
Footnotes:					
1. * = Total dust, ^ = Respirable fraction					

OTHER USE PRECAUTIONS: Use with adequate ventilation to meet exposure limits. When exposure is excessive, NIOSH approved respiratory protection should be used.

9. PHYSICAL AND CHEMICAL PROPERTIES

ODOR: Odorless

COLOR: Light brown or white

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pH: 7 to 8

MELTING POINT: to 2038°C (3700°F)

SOLUBILITY IN WATER: Insoluble in water and organic solvents

SPECIFIC GRAVITY: 3.97 Gm/cc

COMMENTS: Hardness: 9 Mohs scale; 2100 Knoop Scale

10. STABILITY AND REACTIVITY

STABILITY: Stable under normal conditions of use, transportation, and storage.

POSSIBILITY OF HAZARDOUS REACTIONS: None with water, air, heat, or strong oxidizers

11. TOXICOLOGICAL INFORMATION

COMMENTS: No evidence of carcinogenicity

12. ECOLOGICAL INFORMATION

COMMENTS: None Reported

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: Dispose in accordance with all local, state and federal regulations. Dispose of waste at an appropriate waste disposal facility according to current applicable laws and regulations

14. TRANSPORT INFORMATION

COMMENTS: None Reported

15. REGULATORY INFORMATION

16. OTHER INFORMATION

REASON FOR ISSUE: New MSDS Format

APPROVED BY: J.Hutchins **TITLE:** QA/RA Director

PREPARED BY: T.Swan

INFORMATION CONTACT: 1-800-999-3161

REVISION SUMMARY: Revision #: 1. This MSDS replaces the May 14, 2008 MSDS., , , , , , , Any changes in information are as follows: In Section 1: Approved by, Title, Prepared By, Date Prepared In Section 2: Chronic Effects, Medical Conditions Aggravated In Section 4: Firstaid - Eyes, Firstaid - Skin,

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Firstaid - Ingestion, Firstaid - Inhalation
In Section 12: Comments
In Section 13: Disposal
In Section 14: Comments
In Section 15: Comments
In Section 16: Comments

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