Coburn Technologies, Inc.
55 Gerber Road East
South Windsor, CT 06074 USA

Phone: 800-262 8761
Fax: 860-648-6601

SAFETY DATA SHEET

SECTION 1. IDENTIFICATION

Product name : 774P EP2 5 Gal Pail
000000000001320745

Product code : RS_FP_601835

Manufacturer or supplier's details

Company name of supplier : Ferro Corporation

Address : 6060 Parkland Blvd. Suite 250
Mayfield Heights OH 44124-4185

Telephone : (216) 875-5600

Disposal considerations : Dispose of wastes in an approved waste disposal facility.

Emergency telephone number

CHEMTREC In-Country Number : (800)424-9300

CHEMTREC Global Number : +(1)-703-527-3887(Call Collect)

Recommended use of the chemical and restrictions on use

Recommended use : Industrial use

Restrictions on use : Reserved for industrial and professional use.

SECTION 2. HAZARDS IDENTIFICATION

GHS Classification

Carcinogenicity : Category 1B

Specific target organ toxicity - repeated exposure : Category 1

GHS Label element

Not a hazardous substance or mixture.

Hazard pictograms :

Signal word :
Danger

Hazard statements :
H350 May cause cancer.

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H372 Causes damage to organs through prolonged or repeated exposure.

Precautionary statements : **Prevention:**
P201 Obtain special instructions before use.
P202 Do not handle until all safety precautions have been read and understood.
P260 Do not breathe dust/ fume/ gas/ mist/ vapours/ spray.
P264 Wash skin thoroughly after handling.
P270 Do not eat, drink or smoke when using this product.
P281 Use personal protective equipment as required.
Response:
P308 + P313 IF exposed or concerned: Get medical advice/ attention.
Disposal:
P501 Dispose of contents/ container to an approved waste disposal plant.

Other hazards

None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous components

Chemical Name	CAS-No.	Concentration (%)
aluminium oxide	1344-28-1	>= 10 - < 20
Aluminum nitrate	7784-27-2	>= 1 - < 5

SECTION 4. FIRST AID MEASURES

General advice : Consult a physician.

If inhaled : Remove to fresh air.
If unconscious place in recovery position and seek medical advice.
Never give anything by mouth to an unconscious person.

In case of skin contact : Wash off immediately with soap and plenty of water.
If a person feels unwell or symptoms of skin irritation appear, consult a physician.

In case of eye contact : Rinse immediately with plenty of water and seek medical advice.

If swallowed : Do NOT induce vomiting.
Rinse immediately with plenty of water and seek medical advice.

Most important symptoms and effects, both acute and delayed : May cause cancer.
Causes damage to organs through prolonged or repeated exposure.

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SECTION 5. FIREFIGHTING MEASURES

Suitable extinguishing media	:	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Unsuitable extinguishing media	:	Do not use a solid water stream as it may scatter and spread fire.
Specific hazards during firefighting	:	Exposure to decomposition products may be a hazard to health. Do not allow run-off from fire fighting to enter drains or water courses.
Special protective equipment for firefighters	:	In the event of fire, wear self-contained breathing apparatus.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures	:	Ensure adequate ventilation. Follow safe handling advice and personal protective equipment recommendations.
Environmental precautions	:	Do not flush into surface water or sanitary sewer system. Prevent product from entering drains.
Methods and materials for containment and cleaning up	:	Sweep up and shovel into suitable containers for disposal. Clean contaminated floors and objects thoroughly while observing environmental regulations.

SECTION 7. HANDLING AND STORAGE

Advice on safe handling	:	Do not get in eyes or mouth or on skin. For personal protection see section 8. Smoking, eating and drinking should be prohibited in the application area. Do not use in areas without adequate ventilation. Keep away from heat and sources of ignition.
Conditions for safe storage	:	Keep in a dry, cool and well-ventilated place.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
aluminium oxide	1344-28-1	TWA (total dust)	15 mg/m3	OSHA Z-1
		TWA	5 mg/m3	OSHA Z-1

		(respirable fraction)		
		TWA (Total dust)	10 mg/m3	OSHA P0
		TWA (respirable dust fraction)	5 mg/m3	OSHA P0
		TWA (Respirable fraction)	1 mg/m3 (Aluminium)	ACGIH
Aluminum nitrate	7784-27-2	TWA	2 mg/m3 (Aluminium)	OSHA P0
		TWA	2 mg/m3 (Aluminium)	NIOSH REL

Engineering measures : Apply technical measures to comply with the occupational exposure limits.
Provide adequate ventilation.

Personal protective equipment

Respiratory protection : When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Hand protection
Material : Protective gloves

Eye protection : Safety glasses with side-shields
Ensure that eyewash stations and safety showers are close to the workstation location.

Protective measures : Wear suitable protective equipment.
Avoid contact with skin.
When using do not eat, drink or smoke.

Hygiene measures : Remove contaminated clothing and protective equipment before entering eating areas.
Wash hands before breaks and immediately after handling the product.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : suspension

Colour : coloured

Odour : characteristic

Odour Threshold : No data available

pH : 3.6

Melting point/range : No data available

Boiling point/boiling range : No data available

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Flash point	:	No data available
Evaporation rate	:	No data available
Upper explosion limit	:	No data available
Lower explosion limit	:	No data available
Vapour pressure	:	No data available
Relative vapour density	:	No data available
Relative density	:	No data available
Bulk density	:	No data available
Solubility(ies)		
Water solubility	:	No data available
Partition coefficient: n-octanol/water	:	No data available
Auto-ignition temperature	:	not determined
Thermal decomposition	:	No data available
Viscosity		
Viscosity, kinematic	:	No data available

SECTION 10. STABILITY AND REACTIVITY

Reactivity	:	No data available
Chemical stability	:	No data available
Possibility of hazardous reactions	:	No data available
Conditions to avoid	:	Incompatible materials
Incompatible materials	:	Incompatible with oxidizing agents. Incompatible with strong acids and bases.

SECTION 11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure
inhalation (dust/mist/fume)
inhalation (vapour)
Skin
Eye contact
Ingestion

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Acute toxicity

Not classified based on available information.

Components:

aluminium oxide:

Acute oral toxicity : LD50 Oral (Rat): > 5,000 mg/kg

Skin corrosion/irritation

Not classified based on available information.

Serious eye damage/eye irritation

Not classified based on available information.

Respiratory or skin sensitisation

Skin sensitisation: Not classified based on available information.
Respiratory sensitisation: Not classified based on available information.

Germ cell mutagenicity

Not classified based on available information.

Carcinogenicity

May cause cancer.

IARC	Group 2A: Probably carcinogenic to humans	
	Aluminum nitrate	7784-27-2
ACGIH	No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.	
OSHA	No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.	
NTP	No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.	

Reproductive toxicity

Not classified based on available information.

STOT - single exposure

Not classified based on available information.

STOT - repeated exposure

Causes damage to organs through prolonged or repeated exposure.

Aspiration toxicity

Not classified based on available information.

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SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

No data available

Persistence and degradability

Components:

aluminium oxide:

Biodegradability : Remarks: No data available

Bioaccumulative potential

Components:

aluminium oxide:

Bioaccumulation : Remarks: No data available

Mobility in soil

Components:

aluminium oxide:

Distribution among environmental compartments : Remarks: No data available

Other adverse effects

No data available

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods

Waste from residues : Dispose of wastes in an approved waste disposal facility.

SECTION 14. TRANSPORT INFORMATION

International Regulation

UNRTDG

Not regulated as a dangerous good

IATA-DGR

Not regulated as a dangerous good

IMDG-Code

Not regulated as a dangerous good

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable for product as supplied.

National Regulations

49 CFR DOT

Not regulated as a hazardous material

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SECTION 15. REGULATORY INFORMATION

TSCA list : TSCA 5a - Not relevant

TSCA_12b - Not relevant

SARA 311/312 Hazards : Chronic Health Hazard

SARA 302 : No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 : The following components are subject to reporting levels established by SARA Title III, Section 313:

aluminium oxide	1344-28-1
Aluminum nitrate	7784-27-2

Massachusetts Right To Know

aluminium oxide	1344-28-1
nitric acid	7697-37-2

Pennsylvania Right To Know

water	7732-18-5
aluminium oxide	1344-28-1
Aluminum nitrate	7784-27-2
nitric acid	7697-37-2

New Jersey Right To Know

water	7732-18-5
aluminium oxide	1344-28-1
Aluminum nitrate	7784-27-2

California Prop 65 This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

The components of this product are reported in the following inventories:

REACH : Not in compliance with the inventory

: Aluminum nitrate

CH INV : Not in compliance with the inventory

: Proprietary Ingredient

TSCA : Not On TSCA Inventory

: Naturally occurring substances

DSL : This product contains the following components that are not

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on the Canadian DSL nor NDSL.

: Naturally occurring substances

: boehmite

AICS : Not in compliance with the inventory

: boehmite

: Naturally occurring substances

NZIoC : On the inventory, or in compliance with the inventory

ENCS : Not in compliance with the inventory

: water

: Naturally occurring substances

ISHL : Not in compliance with the inventory

: Naturally occurring substances

KECI : Not in compliance with the inventory

: Naturally occurring substances

PICCS : Not in compliance with the inventory

: boehmite

: Naturally occurring substances

IECSC : Not in compliance with the inventory

: Naturally occurring substances

TW INV : Not in compliance with the inventory

: boehmite

: aluminium oxide

: nitric acid

: water

: Proprietary Ingredient

: Naturally occurring substances

: Aluminum nitrate

MY INV : Not in compliance with the inventory

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: boehmite

: aluminium oxide

: nitric acid

: water

: Proprietary Ingredient

: Naturally occurring substances

: Aluminum nitrate

TR INV : Not in compliance with the inventory

: boehmite

: aluminium oxide

: nitric acid

: water

: Proprietary Ingredient

: Naturally occurring substances

: Aluminum nitrate

Inventories

AICS (Australia), DSL (Canada), IECSC (China), REACH (European Union), ENCS (Japan), ISHL (Japan), KECI (Korea), NZIoC (New Zealand), PICCS (Philippines), TSCA (USA), CH INV (Switzerland), MY INV (Malaysia), TR INV (Turkey), TW INV (Taiwan)

SECTION 16. OTHER INFORMATION

Revision Date : 06/22/2015

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.