Material Safety Data Sheet

EXOAIR 430 275 GAL TOTE

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SECTION 1 - PRODUCT IDENTIFICATION

Trade name	:	**EXOAIR 430 275 GAL TOTE**
Product code	:	DEV430 275
COMPANY	:	Tremco Incorporated 3735 Green Road Cleveland, OH 44122
Telephone	:	(216) 292-5000 8:30 - 5:00 EST
Emergency Phone:	:	(216) 765-6727 8:30 - 5:00 EST After Hours: Chemtrec 1-800-424-9300
Product use	:	Coating

SECTION 2 - HAZARDS IDENTIFICATION

Emergency Overview

Orange. Liquid. No serious effects anticipated under normal conditions of use. Leave area to breathe fresh air. Avoid further overexposure. If symptoms persist, get medical attention.

Acute Potential Health Effects/ Routes of Entry

Inhalation	:	No serious effects anticipated under normal conditions of use.
Eyes	:	Direct contact may cause mild irritation.
Ingestion	:	May cause gastrointestinal irritation, nausea, and vomiting.
Skin	:	May cause mild irritation.

Aggravated Medical Conditions

Pre-existing eye, skin and respiratory disorders may be aggravated by exposure.

Chronic Health Effects

Inhalation of crystalline silica (quartz) can cause cancer based on animal data, and IARC concludes sufficient evidence in humans (Group 1). Prolonged and repeated overexposure to free crystalline silica dust above the TLV level may cause scarring of the lungs with cough and shortness of breath. A delayed lung injury, silicosis may result from breathing free silica. Overexposure to sublimed zinc oxide may produce symptoms known as "zinc oxide chills" which have no recognized complications. Symptoms usually disappear within 24 hours. Fillers are encapsulated and not expected to be released from product under normal conditions of use.

SECTION 3 - PRODUCT COMPOSITION

Chemical Name	CAS-No.	Weight %
Calcium carbonate	471-34-1	30.0 - 60.0
Water	7732-18-5	15.0 - 40.0
Acrylic polymer(s)	NJ TSRN# 51721300-5434P	15.0 - 40.0
Zinc oxide	1314-13-2	1.0 - 5.0
Octylphenoxypolyethoxy ethanol	9036-19-5	1.0 - 5.0
Crystalline Silica (Quartz)/ Silica Sand	14808-60-7	0.1 - 1.0
Ammonium hydroxide	1336-21-6	0.1 - 1.0

SECTION 4 - FIRST AID MEASURES

Get immediate medical attention for any significant overexposure.

Inhalation	:	Leave area to breathe fresh air. Avoid further overexposure. If symptoms persist, get medical attention.
Eye contact	:	Flush with water for 15 minutes. If irritation persists, get medical attention.
Skin contact	:	Wash area of contact thoroughly with hand cleaner followed by soap and water. If irritation, rash or other disorders develop, get medical attention immediately.
Ingestion	:	Get medical attention. Do not induce vomiting.
Notes to physician	:	Not applicable.

SECTION 5 - FIRE FIGHTING MEASURES

Flash point	:	Not available.
Method	:	Not applicable.
Lower explosion limit	:	Not available.
Upper explosion limit	:	Not available.
Autoignition temperature	:	Not available.
Extinguishing media	:	This product is not expected to burn under normal conditions of use.
Hazardous combustion products	:	Carbon monoxide and carbon dioxide can form.Smoke, fumes.
Protective equipment for firefighters	:	Use accepted fire fighting techniques. Wear full firefighting protective clothing, including self-contained breathing apparatus (SCBA).
Fire and explosion conditions	:	This product not expected to ignite under normal conditions of use.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Transfer to appropriate container for disposal. Stop flow. Contain spill. Keep out of water courses. Absorb spill in sand, earth or other suitable material. Transfer to appropriate container for disposal. Use appropriate protective equipment. Avoid contact with material.

SECTION 7 - HANDLING AND STORAGE

Handle in compliance with common hygienic practices. Clean hands thoroughly after handling. Keep from freezing. Do not use in confined or poorly ventilated areas. Prevent inhalation of vapor, ingestion, and contact with skin eyes and clothing. Keep container closed when not in use. Precautions also apply to emptied containers. Store in sealed containers in a dry, ventilated warehouse location above freezing.

SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

Personal protection equipment

Respiratory protection	:	Not required under normal conditions of use.Wear appropriate, NIOSH/MSHA approved respirator with combination particulate filter and vapor/gas removing cartridge when the ventilation is not adequate or if it is necessary to abrade or grind surfaces coated with this product.
Hand protection	:	Use suitable impervious rubber or vinyl gloves and protective apparel to reduce exposure.
Eye protection	:	Wear appropriate eye protection.Wear chemical safety goggles and/or face shield to prevent eye contact. Do not wear contact lenses. Do not touch eyes with contaminated body parts or materials. Have eye washing facilities readily available.
Skin and body protection	:	Prevent contact with shoes and clothing. Use rubber apron and overshoes.
Protective measures	:	Other equipment not normally required.Use professional judgment in the selection, care, and use.
Engineering measures	:	Not required under normal conditions of use.Use local exhaust when the general ventilation is inadequate.

Exposure Limits

Chemical Name	CAS Number	Regulation	Limit	Form
Zinc oxide	1314-13-2	ACGIH TWA:	2 mg/m3	Respirable fraction.
		ACGIH STEL:	10 mg/m3	Respirable fraction.
		OSHA PEL:	5 mg/m3	Fume.
		OSHA PEL:	5 mg/m3	Respirable fraction.
		OSHA PEL:	15 mg/m3	Total dust.
		OSHA TWA:	15 mg/m3	Total dust.
		OSHA TWA:	5 mg/m3	Respirable fraction.
Crystalline Silica (Quartz)/ Silica Sand	14808-60-7	OSHA TWA:	0.1 mg/m3	Respirable.
		OSHA TWA:	0.3 mg/m3	Total dust.
		OSHA PEL:	15 mg/m3	Total dust.
		OSHA PEL:	5 mg/m3	Respirable fraction.
		ACGIH TWA:	0.025 mg/m3	Respirable fraction.
Ammonium hydroxide	1336-21-6	ACGIH TWA:	25 ppm	
		ACGIH STEL:	35 ppm	
		OSHA PEL:	35 mg/m3	

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Form	:	Liquid
Color	:	Orange
Odor	:	Mild Ammonia
pH	:	9 - 10
Vapour pressure	:	Not available.
Vapor density	:	Heavier than air
Melting point/range	:	Not available.

Freezing point	:	Not available.
Boiling point/range	:	212 °F, 100 °C
Water solubility	:	Soluble
Specific Gravity	:	1.33
% Volatile Weight	:	29 %

SECTION 10 - REACTIVITY / STABILITY

Substances to avoid	:	Strong acids.Strong bases.
Stability	:	Stable
Hazardous polymerization	:	Will not occur.

SECTION 11 - TOXICOLOGICAL INFORMATION

Calcium carbonate, CAS-No.: 471-34-1
Acute oral toxicity (LD-50 oral) 6,450 mg/kg (Rat)

Zinc oxide, CAS-No.: 1314-13-2
Acute oral toxicity (LD-50 oral) 7,950 mg/kg (Mouse) 7,950 mg/kg (Mouse)

Ammonium hydroxide, CAS-No.: 1336-21-6
Acute oral toxicity (LD-50 oral) 350 mg/kg (Rat)

SECTION 12 - ECOLOGICAL INFORMATION

No Data Available

SECTION 13 - DISPOSAL CONSIDERATIONS

Disposal Method : Waste not regulated under RCRA. Dispose of in compliance with state and local regulations.

SECTION 14 - TRANSPORTATION / SHIPPING DATA

CFR / DOT:

Not Regulated

TDG:

Not Regulated

IMDG:

Not Regulated

SECTION 15 - REGULATORY INFORMATION

North American Inventories:

All components are listed or exempt from the TSCA inventory.
One or more components are listed on the NDSL.

U.S. Federal Regulations:

SARA 313 Components	:	Zinc oxide	1314-13-2
SARA 311/312 Hazards	:	Acute Health Hazard Chronic Health Hazard	

OSHA Hazardous Components :

Zinc oxide	1314-13-2
Crystalline Silica (Quartz)/ Silica Sand	14808-60-7
Ammonium hydroxide	1336-21-6

OSHA Status: Considered hazardous based on the following criteria:	:	Irritant Carcinogen
OSHA Flammability	:	Not Regulated
Regulatory VOC (less water and exempt solvent)	:	8 g/l
VOC Method 310	:	0.37 %

Chemical is listed as an IARC, NTP, OSHA, or ACGIH Carcinogen:
Crystalline Silica (Quartz)/ Silica Sand 14808-60-7

U.S. State Regulations:

MASS RTK Components	:	Calcium carbonate	471-34-1
		Zinc oxide	1314-13-2
		Crystalline Silica (Quartz)/ Silica Sand	14808-60-7
Penn RTK Components	:	Calcium carbonate	471-34-1
		Water	7732-18-5
		Acrylic polymer(s)	NJ TSRN# 51721300-5434P
		Zinc oxide	1314-13-2
NJ RTK Components	:	Calcium carbonate	471-34-1
		Water	7732-18-5
		Acrylic polymer(s)	NJ TSRN# 51721300-5434P
		Zinc oxide	1314-13-2
		Octylphenoxypolyethoxy ethanol	9036-19-5
		Crystalline Silica (Quartz)/ Silica Sand	14808-60-7

Components under California Proposition 65:

WARNING! Contains chemicals known to the State of California to cause cancer, birth defects and/or other reproductive harm

SECTION 16 - OTHER INFORMATION

HMIS Rating :

Health	1
Flammability	0
Reactivity	0
PPE	

0 = Minimum
1 = Slight
2 = Moderate
3 = Serious
4 = Severe

Further information:

For Industrial Use Only. Keep out of Reach of Children. The hazard information herein is offered solely for the consideration of the user, subject to their own investigation of compliance with applicable regulations, including the safe use of the product under every foreseeable condition.

Prepared by: Rich Mikol

Legend

ACGIH - American Conference of Governmental Hygienists
CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act
DOT - Department of Transportation
DSL - Domestic Substance List
EPA - Environmental Protection Agency
HMIS - Hazardous Materials Information System
IARC - International Agency for Research on Cancer
MSHA - Mine Safety Health Administration
NDSL - Non-Domestic Substance List
NIOSH - National Institute for Occupational Safety and Health
NTP - National Toxicology Program
OSHA - Occupational Safety and Health Administration
PEL - Permissible Exposure Limit
RCRA - Resource Conservation and Recovery Act
RTK - Right To Know
SARA - Superfund Amendments and Reauthorization Act
STEL - Short Term Exposure Limit
TLV - Threshold Limit Value
TSCA - Toxic Substances Control Act
TWA - Time Weighted Average
V - Volume
VOC - Volatile Organic Compound
WHMIS - Workplace Hazardous Materials Information System