



SAFETY DATA SHEET

Product name:	CADWELD® Mold Sealer (T403)	Page:	1/12
Supersedes date:	2016-05-04	Revision:	2021-05-03
SDS-ID:	CADWELD_MS_US	Version number:	US-EN/4.0

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

Product identifier

Product name: CADWELD® Mold Sealer (T403)

Relevant identified uses of the substance or mixture and uses advised against

Application: Sealer.

Details of the supplier of the safety data sheet

Manufacturer: nVent
ERICO International Corporation
34600 Solon Road
Solon, Ohio 44139
Tel:(440) 248-0100

Further information can be obtained from: declaration.requests@pentair.com

Emergency telephone number

Emergency telephone: National Capital Poison Center: 1-800-222-1222

Chemtel
1-800-255-3924 USA
+01-813-248-0585 International

SECTION 2: HAZARDS IDENTIFICATION

Classification of the substance or mixture

OSHA 2012: Not classified.
Data shows that products containing less than 8.5% disodium tetraborate decahydrate (CAS 1303-96-4) are not hazardous to reproduction

Label elements

The substance/mixture does not meet the criteria for classification and labeling.

Other hazards

PBT/vPvB: This product does not contain any PBT or vPvB substances.

Other: Dust may irritate throat and respiratory system and cause coughing. The product may contain crystalline silica in respirable fraction.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Mixtures

Only classified substances above threshold limits are shown.

SAFETY DATA SHEET

Product name: CADWELD® Mold Sealer (T403) Page: 2/12
Supersedes date: 2016-05-04 Revision: 2021-05-03
SDS-ID: CADWELD_MS_US Version number: US-EN/4.0

OSHA 2012:

<u>%:</u>	<u>CAS-No.:</u>	<u>EC No.:</u>	<u>REACH Reg. No.:</u>	<u>Chemical name:</u>	<u>Hazard classification:</u>	<u>Notes:</u>
10-20	1332-58-7	310-194-1	-	Kaolin	-	#
1-<8.5	1303-96-4		-	Disodium tetraborate Decahydrate	Category 1B reproductive toxicantFD	SCL

Notes: #: The substance has been assigned an exposure limit.

References: The full text for all hazard statements is displayed in section 16.

SECTION 4: FIRST AID MEASURES

Description of first aid measures

Inhalation: Dust inhalation: Move into fresh air and keep at rest. Get medical attention if any discomfort continues.

Skin contact: Remove contaminated clothing immediately and wash skin with soap and water. Then apply a fatty cream.

Eye contact: Immediately flush with plenty of water for at least 15 minutes. Remove any contact lenses and open eyelids widely. If irritation persists: Seek medical attention and bring along these instructions.

Ingestion: Immediately rinse mouth and drink 1-2 glasses of water. Keep person under observation. If uncomfortable: Transportation to hospital. Bring along these instructions.

Most important symptoms and effects, both acute and delayed

Symptoms/effects: See section 11 for more detailed information on health effects and symptoms.

Indication of any immediate medical attention and special treatment needed

Medical attention/treatments: Treat symptomatically.

SAFETY DATA SHEET

Product name:	CADWELD® Mold Sealer (T403)	Page:	3/12
Supersedes date:	2016-05-04	Revision:	2021-05-03
SDS-ID:	CADWELD_MS_US	Version number:	US-EN/4.0

SECTION 5: FIREFIGHTING MEASURES

Extinguishing media

Extinguishing media: Use fire-extinguishing media appropriate for surrounding materials.

Special hazards arising from the substance or mixture

Specific hazards: No specific precautions.
Ignition temperature: >1650 °F (900 °C)

Advice for firefighters

Protective equipment for fire-fighters: Selection of respiratory protection for fire fighting: follow the general fire precautions indicated in the workplace.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal precautions: Avoid generation and spreading of dust. Avoid inhalation of dust.

Environmental precautions

Environmental precautions: No special precautions.

Methods and material for containment and cleaning up

Spill Cleanup Methods: Collect spillage with shovel, broom or the like.

Reference to other sections

References: For personal protection, see section 8.
For waste disposal, see section 13.

SAFETY DATA SHEET

Product name: CADWELD® Mold Sealer (T403)
Supersedes date: 2016-05-04
SDS-ID: CADWELD_MS_US

Page: 4/12
Revision: 2021-05-03
Version number: US-EN/4.0

SECTION 7: HANDLING AND STORAGE

Precautions for safe handling

Safe handling advice: Avoid inhalation of dust and contact with skin and eyes. Change contaminated clothing.

Technical measures: All product instructions should be followed to ensure proper welding and safety. For additional information, see American National Standard, Safety In Welding And Cutting, and Z49.1. Avoid spreading dust.

Conditions for safe storage, including any incompatibilities

Technical measures for safe storage: No special precautions.

Storage conditions: Store in tightly closed original container in a dry and cool place. Protect from moisture.

Specific end use(s)

Specific use(s): Sealer.

SAFETY DATA SHEET

Product name: CADWELD® Mold Sealer (T403) Page: 5/12
Supersedes date: 2016-05-04 Revision: 2021-05-03
SDS-ID: CADWELD_MS_US Version number: US-EN/4.0

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Occupational exposure limits:

<u>CAS-No.:</u>	<u>Chemical name:</u>	<u>As:</u>	<u>Exposure limits:</u>	<u>Type:</u>	<u>Notes:</u>	<u>References</u>
1303-96-4	Borates, tetra, sodium salts (Decahydrate)	-	5 mg/m3	TWA	-	NIOSH
1332-58-7	Kaolin, total particulate	-	10 mg/m3	TWA	-	NIOSH
1332-58-7	Kaolin, respirable fraction	-	5 mg/m3	TWA	-	NIOSH
-	Kaolin, respirable fraction	-	2 mg/m3	TWA	A4	ACGIH
-	Kaolin, total dust	-	15 mg/m3	TWA	-	OSHA
-	Kaolin, respirable fraction	-	5 mg/m3	TWA	-	OSHA

Notes: A4: Not Classifiable as a Human Carcinogen.
ACGIH: Threshold Limit Values 2020 (ACGIH).
NIOSH: NIOSH Pocket Guide to Chemical Hazards (September 2007).
OSHA: Occupational Safety and Health Standards, Air contaminants (amendments 2017).

Exposure controls

Engineering measures: Provide adequate ventilation. Observe Occupational Exposure Limits and minimize the risk of inhalation of dust.

Personal protection: Protective gloves and goggles are recommended. Personal protection equipment should be chosen according to the ANSI standards and in discussion with the supplier of the personal protective equipment.

Respiratory equipment: No specific recommendation made, but respiratory protection must be used if the general level exceeds the Recommended Occupational Exposure Limit.

Eye protection: Safety glasses recommended.

Skin protection: No special precautions.

Hygiene measures: Wash hands after handling. Change contaminated clothing. Wash contaminated clothing before reuse.

SAFETY DATA SHEET

Product name: CADWELD® Mold Sealer (T403)
Supersedes date: 2016-05-04
SDS-ID: CADWELD_MS_US

Page: 6/12
Revision: 2021-05-03
Version number: US-EN/4.0

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Appearance: Solid.

Form: Dough-like

Odor: Dough-like

Odor threshold: Not available.

pH: Not available.

Melting point / freezing point: Not available.

Boiling point: Not available.

Flash point: Not available.

Evaporation rate: Not available.

Explosion limits: Not available.

Vapor pressure: Not available.

Vapor density: Not available.

Relative density: Not available.

Solubility: Slightly soluble in water.

Partition coefficient (n-octanol/water): Not available.

Auto-ignition temperature (°F): Not available.

Decomposition temperature (°F): Not available.

Viscosity: Not available.

Oxidizing properties: Not available.

Other information

Other data: Specific Gravity (Water=1): 2.0

SAFETY DATA SHEET

Product name: CADWELD® Mold Sealer (T403)
Supersedes date: 2016-05-04
SDS-ID: CADWELD_MS_US

Page: 7/12
Revision: 2021-05-03
Version number: US-EN/4.0

SECTION 10: STABILITY AND REACTIVITY

Reactivity

Reactivity: Not reactive.

Chemical stability

Stability: Stable under normal temperature conditions.

Possibility of hazardous reactions

Hazardous Reactions: None known.

Conditions to avoid

Conditions/materials to avoid: Temperatures above ignition point.(1650°F)

Incompatible materials

Incompatible materials: None known.

Hazardous decomposition products

Hazardous decomposition products: Polymerization will not occur.

SAFETY DATA SHEET

Product name:	CADWELD® Mold Sealer (T403)	Page:	8/12
Supersedes date:	2016-05-04	Revision:	2021-05-03
SDS-ID:	CADWELD_MS_US	Version number:	US-EN/4.0

SECTION 11: TOXICOLOGICAL INFORMATION

Information on toxicological effects

Acute Toxicity (Oral): Based on available data, the classification criteria are not met.

Acute Toxicity (Dermal): Based on available data, the classification criteria are not met.

Acute Toxicity (Inhalation): Based on available data, the classification criteria are not met.

Skin Corrosion/Irritation: Based on available data, the classification criteria are not met.

Serious eye damage/irritation: Based on available data, the classification criteria are not met.

Respiratory or skin sensitization: Based on available data, the classification criteria are not met.

Germ cell mutagenicity: Based on available data, the classification criteria are not met.

Carcinogenicity: Based on available data, the classification criteria are not met.

Reproductive Toxicity: Based on available data, the classification criteria are not met.

STOT - Single exposure: Based on available data, the classification criteria are not met.

STOT - Repeated exposure: Based on available data, the classification criteria are not met.

Aspiration hazard: Based on available data, the classification criteria are not met.

Inhalation: Dust may irritate throat and respiratory system and cause coughing.

Skin contact: Prolonged contact may cause redness, irritation and dry skin.

Eye contact: May irritate and cause redness and pain.

Ingestion: Ingestion may cause severe irritation of the mouth, the esophagus and the gastrointestinal tract.

Specific effects: Frequent inhalation of dust over a long period of time increases the risk of developing lung diseases. Contains small amounts of a substance which is suspected to be harmful to the unborn child and to the reproduction capability. (Borax)

This product contains no ingredient listed on the NTP, OSHA or IARC carcinogen lists.

Information on other hazards

Endocrine disrupting properties: The product does not contain any substance identified as having endocrine disrupting properties.

SAFETY DATA SHEET

Product name:	CADWELD® Mold Sealer (T403)	Page:	9/12
Supersedes date:	2016-05-04	Revision:	2021-05-03
SDS-ID:	CADWELD_MS_US	Version number:	US-EN/4.0

SECTION 12: ECOLOGICAL INFORMATION

Toxicity

Ecotoxicity: The environmental hazard of the product is considered to be limited.

Persistence and degradability

Degradability: The product is not biodegradable.

Bioaccumulative potential

Bioaccumulative potential: No data available on bioaccumulation.

Mobility in soil

Mobility: The product is insoluble in water and will sediment in water systems.

Results of PBT and vPvB assessment

PBT/vPvB: This product does not contain any PBT or vPvB substances.

Endocrine disrupting properties

Endocrine disrupting properties: The product does not contain any substance identified as having endocrine disrupting properties.

Other adverse effects

Other adverse effects: None known.

SECTION 13: DISPOSAL CONSIDERATIONS

Waste treatment methods

Dispose of waste and residues in accordance with local authority requirements.
Reacted/Used Product - can be disposed of as a non-hazardous waste.

SAFETY DATA SHEET

Product name: CADWELD® Mold Sealer (T403)
Supersedes date: 2016-05-04
SDS-ID: CADWELD_MS_US

Page: 10/12
Revision: 2021-05-03
Version number: US-EN/4.0

SECTION 14: TRANSPORT INFORMATION

The product is not covered by international regulation on the transport of dangerous goods (IMDG, IATA, DOT).

UN number

UN-No: -

UN proper shipping name

Proper Shipping Name: -

Transport hazard class(es)

Class: -

Packing group

PG: -

Environmental hazards

Marine pollutant: -

Environmentally Hazardous
substance: -

Special precautions for user

Special precautions: Not relevant.

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

Transport in bulk: Not relevant.

SAFETY DATA SHEET

Product name:	CADWELD® Mold Sealer (T403)	Page:	11/12
Supersedes date:	2016-05-04	Revision:	2021-05-03
SDS-ID:	CADWELD_MS_US	Version number:	US-EN/4.0

SECTION 15: REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture

Special provisions: State and local regulation may apply.
TSCA: The ingredients of this product are on the TSCA Inventory.
SARA Section 302: No.
SARA Section 304: No.
SARA Section 313: No.

NFPA Rating: Health:1 Fire:0 Reactivity:0 Other:-

National regulation: The following lists have been checked:
The Code of Federal Regulation, Title 29, part 1910. Occupational Safety and Health Standards, Hazard Communication, with amendments.
Threshold Limit Values (2020), ACGIH, by the American Conference on Governmental Industrial Hygienists.
The Code of Federal Regulation, Title 29, part 1910. Occupational Safety and Health Standards, Air contaminants (OSHA), with amendments.
NIOSH Pocket Guide to Chemical Hazards.
U.S. Department of health and human services: 2016 - Report on Carcinogens - 14th Edition.
The Code of Federal Regulation. Title 40, part 355.50. Emergency Planning and Notification.
The Code of Federal Regulation. Title 40, part 372.65. Toxic Chemical Release Reporting: Community Right to Know.
International Agency for Research on Cancer (IARC): IARC Monographs on the Evaluation of Carcinogenic Risks to Humans. Lyon: IARC, World Health Organization.

SAFETY DATA SHEET

Product name:	CADWELD® Mold Sealer (T403)	Page:	12/12
Supersedes date:	2016-05-04	Revision:	2021-05-03
SDS-ID:	CADWELD_MS_US	Version number:	US-EN/4.0

SECTION 16: OTHER INFORMATION

The user must be instructed in the proper work procedure and be familiar with the contents of these instructions.

The following sections contain revisions or new statements: 2, 3, 4, 8, 10, 11, 12, 13, 15, 16.

Abbreviations and acronyms

used in the safety data sheet: PBT = Persistent, Bioaccumulative and Toxic.
vPvB = very Persistent and very Bioaccumulative.

Additional information: Date of compilation: 2021.05.03

Wording of H-statements:

H360 May damage fertility or the unborn child.

The information on this data sheet represents our current data and is reliable provided that the product is used under the prescribed conditions and in accordance with the application specified on the packaging and/or in the technical guidance literature. Any other use of the product which involves using the product in combination with any other product or any other process is the responsibility of the user.