# Material Safety Data Sheet

61433-D1-200 COOL TURF

americhem.

## 1. Product and company identification

| | | |
|---|---|---|
| **Product name** | : | 61433-D1-200 COOL TURF |
| **Supplier** | : | 2000 Americhem Way<br>Cuyahoga Falls, OH 44221 USA |
| **Code** | : | 61433-D1-200 |
| **MSDS #** | : | 61433-D1-200 |
| **Validation date** | : | 5/13/2011. |
| **Responsible name** | : | Corporate Manager of Regulatory |
| **In case of emergency** | : | 1-800-228-3476 |
| **Product type** | : | Solid. |

## 2. Hazards identification

**Physical state** : Solid. [Pellets.]

**OSHA/HCS status** : While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this MSDS contains valuable information critical to the safe handling and proper use of the product. This MSDS should be retained and available for employees and other users of this product.

**Emergency overview** :

NOT EXPECTED TO PRODUCE SIGNIFICANT ADVERSE HEALTH EFFECTS WHEN THE RECOMMENDED INSTRUCTIONS FOR USE ARE FOLLOWED.

No known significant effects or critical hazards. Avoid prolonged contact with eyes, skin and clothing.

**Potential acute health effects**

**Inhalation** : Exposure to decomposition products may cause a health hazard. Serious effects may be delayed following exposure.

**Potential chronic health effects**

**Target organs** : Contains material which may cause damage to the following organs: blood, lungs, liver, spleen, lymphatic system, upper respiratory tract, skin, eyes.

**Over-exposure signs/symptoms**

**Medical conditions aggravated by over-exposure** : None known.

**See toxicological information (section 11)**

## 3. Composition/information on ingredients

**There are no ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.**

## 4. First aid measures

**Eye contact** : Check for and remove any contact lenses. Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical attention if symptoms occur.

**Skin contact** : In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse. Clean shoes thoroughly before reuse. Get medical attention if symptoms occur.

**Inhalation** : Move exposed person to fresh air. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention if symptoms occur.

## 4 . First aid measures

**estion** : Wash out mouth with water. Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention if symptoms occur.

**Protection of first-aiders** : No action shall be taken involving any personal risk or without suitable training.

**Notes to physician** : In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.

## 5 . Fire-fighting measures

**Flammability of the product** : No specific fire or explosion hazard.

**Extinguishing media**

**Suitable** : Use an extinguishing agent suitable for the surrounding fire.

**Not suitable** : None known.

**Special exposure hazards** : Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.

**Hazardous thermal decomposition products** : Decomposition products may include the following materials:
carbon dioxide
carbon monoxide
nitrogen oxides
halogenated compounds
metal oxide/oxides

**Special protective equipment for fire-fighters** : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

## 6 . Accidental release measures

**sonal precautions** : No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Put on appropriate personal protective equipment (see section 8).

**Environmental precautions** : Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

**Methods for cleaning up**

**Small spill** : Move containers from spill area. Vacuum or sweep up material and place in a designated, labeled waste container. Dispose of via a licensed waste disposal contractor.

**Large spill** : Move containers from spill area. Prevent entry into sewers, water courses, basements or confined areas. Vacuum or sweep up material and place in a designated, labeled waste container. Dispose of via a licensed waste disposal contractor. Note: see section 1 for emergency contact information and section 13 for waste disposal.

## 7 . Handling and storage

**Handling** : Put on appropriate personal protective equipment (see section 8). Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking.

**Storage** : Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

## 8 . Exposure controls/personal protection

**Consult local authorities for acceptable exposure limits.**

**Recommended monitoring procedures** : If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment.

**Engineering measures** : No special ventilation requirements. Good general ventilation should be sufficient to control worker exposure to airborne contaminants. If this product contains ingredients with exposure limits, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure below any recommended or statutory limits.

**Hygiene measures** : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

**Personal protection**

**Respiratory** : Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

**Hands** : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.

**Eyes** : Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists or dusts.

**Skin** : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

**Environmental exposure controls** : Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

## 9 . Physical and chemical properties

**Physical state** : Solid. [Pellets.]

**Color** : Green.

**Relative density** : 1.421

## 10 . Stability and reactivity

**Chemical stability** : The product is stable.

**Possibility of hazardous reactions** : Under normal conditions of storage and use, hazardous reactions will not occur.

**Hazardous polymerization** : Under normal conditions of storage and use, hazardous polymerization will not occur.

**Hazardous decomposition products** : Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## 11 . Toxicological information

**ed States**

**cute toxicity**

**Conclusion/Summary** : Not available.

**Chronic toxicity**

**Conclusion/Summary** : Not available.

**Irritation/Corrosion**

**Conclusion/Summary** : Not available.

**Sensitizer**

**Conclusion/Summary** : Not available.

**Carcinogenicity**

**Conclusion/Summary** : Not available.

**Mutagenicity**

**Conclusion/Summary** : Not available.

**Teratogenicity**

**Conclusion/Summary** : Not available.

**Reproductive toxicity**

**Conclusion/Summary** : Not available.

## 12 . Ecological information

**Aquatic ecotoxicity**

**Conclusion/Summary** : Not available.

**Biodegradability**

**onclusion/Summary** : Not available.

## 13 . Disposal considerations

**Waste disposal** : The generation of waste should be avoided or minimized wherever possible. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe way. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

**Disposal should be in accordance with applicable regional, national and local laws and regulations.**

**Refer to Section 7: HANDLING AND STORAGE and Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION for additional handling information and protection of employees.**

## 14 . Transport information

| Regulatory information | UN number | Proper shipping name | Classes | PG* | Label | Additional information |
|---|---|---|---|---|---|---|
| DOT Classification | Not available. | Not available. | Not available. | - | | - |
| TDG Classification | Not available. | Not available. | Not available. | - | | - |
| Mexico ssification | Not available. | Not available. | Not available. | - | | - |
| R/RID Class | Not available. | Not available. | Not available. | - | | - |
| IMDG Class | Not available. | Not available. | Not available. | - | | - |

## 14 . Transport information

| | | | | | | |
|---|---|---|---|---|---|---|
| A-DGR Class | Not available. | Not available. | Not available. | - | | - |

PG* : Packing group

## 15 . Regulatory information

**HCS Classification** : Not regulated.

**U.S. Federal regulations** : TSCA 6 proposed risk management: Lead
TSCA 8(a) IUR: Poly(iminocarbonylpentamethylene); 1-Butene, polymer with ethene; 2,5-Furandione, polymer with ethene; water; 2-Propenoic acid, polymer with ethene, zinc salt; Proprietary; Proprietary
**United States inventory (TSCA 8b):** All components are listed or exempted.
TSCA 8(d) H and S data reporting: Lead: 2008
TSCA 12(b) one-time export: Lead

**SARA 302/304/311/312 extremely hazardous substances**: No products were found.
**SARA 302/304 emergency planning and notification**: No products were found.
**SARA 302/304/311/312 hazardous chemicals**: aluminium oxide
**SARA 311/312 MSDS distribution - chemical inventory - hazard identification**: Proprietary Amine.: Immediate (acute) health hazard, Delayed (chronic) health hazard; aluminium oxide: Immediate (acute) health hazard; Hematite, chromium green black: Immediate (acute) health hazard, Delayed (chronic) health hazard; Chromium iron oxide: Immediate (acute) health hazard, Delayed (chronic) health hazard

**Clean Water Act (CWA) 307**: ethylbenzene; Lead; Cadmium (Non-pyrophoric); arsenic; Copper; Nickel; 2-Propenoic acid, polymer with ethene, zinc salt; Zinc; Hematite, chromium green black; Chromium iron oxide; Proprietary

**Clean Water Act (CWA) 311**: xylene; ethylbenzene

**Clean Air Act (CAA) 112 accidental release prevention**: No products were found.

**Clean Air Act (CAA) 112 regulated flammable substances**: No products were found.

**Clean Air Act (CAA) 112 regulated toxic substances**: No products were found.

**Clean Air Act Section 112(b) Hazardous Air Pollutants (HAPs)** : Listed

**Clean Air Act Section 602 Class I Substances** : Listed

**Clean Air Act Section 602 Class II Substances** : Not listed

**DEA List I Chemicals (Precursor Chemicals)** : Not listed

**DEA List II Chemicals (Essential Chemicals)** : Not listed

**SARA 313**

| | Product name | CAS number | Concentration |
|---|---|---|---|
| **Form R - Reporting requirements** : | 2-Propenoic acid, polymer with ethene, zinc salt | 28208-80-2 | 1 - 5 |
| | Hematite, chromium green black | 68909-79-5 | 1 - 5 |
| | Chromium iron oxide | 12737-27-8 | 1 - 5 |
| | aluminium oxide | 1344-28-1 | 1 - 5 |
| | Zinc | 7440-66-6 | 0.1 - 1 |
| | Lead | 7439-92-1 | 0 - 0.1 |
| **Supplier notification** : | 2-Propenoic acid, polymer with ethene, zinc salt | 28208-80-2 | 1 - 5 |
| | Hematite, chromium green black | 68909-79-5 | 1 - 5 |
| | Chromium iron oxide | 12737-27-8 | 1 - 5 |
| | aluminium oxide | 1344-28-1 | 1 - 5 |
| | Lead | 7439-92-1 | 0 - 0.1 |

SARA 313 notifications must not be detached from the MSDS and any copying and redistribution of the MSDS shall include copying and redistribution of the notice attached to copies of the MSDS subsequently redistributed.

**State regulations** :

## 15 . Regulatory information

**lifornia Prop. 65**

**/ARNING:** This product contains a chemical known to the State of California to cause cancer and birth defects or other reproductive harm.

| Ingredient name | Cancer | Reproductive | No significant risk level | Maximum acceptable dosage level |
|---|---|---|---|---|
| Nickel | Yes. | No. | No. | No. |
| ethylbenzene | Yes. | No. | 41 µg/day (ingestion) 54 µg/day (inhalation) | No. |
| Lead | Yes. | Yes. | 15 µg/day (ingestion) | Yes. |
| arsenic | Yes. | No. | 0.06 µg/day (inhalation) | No. |
| Cadmium (Non-pyrophoric) | Yes. | Yes. | 0.05 µg/day (inhalation) | Yes. |

**United States inventory (TSCA 8b)** : All components are listed or exempted.

**EU regulations**

**Risk phrases** : This product is not classified according to EU legislation.

**International regulations**

**International lists** : **Australia inventory (AICS):** Not determined.
**China inventory (IECSC):** Not determined.
**Japan inventory (ENCS):** Not determined.
**Japan inventory (ISHL):** Not determined.
**Korea inventory (KECI):** Not determined.
**New Zealand Inventory of Chemicals (NZIoC):** Not determined.
**Philippines inventory (PICCS):** Not determined.

**hemical Weapons Convention List Schedule I Chemicals** : Not listed

**Chemical Weapons Convention List Schedule II Chemicals** : Not listed

**Chemical Weapons Convention List Schedule III Chemicals** : Not listed

## 16 . Other information

**The customer is responsible for determining the PPE code for this material.**

**Date of printing** : **5/13/2011.**

**Date of issue** : 5/13/2011.

**Date of previous issue** : 4/4/2011.

**Version** : 0.15 Americhem 2 ISS MSDS North America (ANSI Z400.1) V4.0.5 - United States of America

**▼ Indicates information that has changed from previously issued version.**

**Notice to reader**

**To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein.**
**Final determination of suitability of any material is the sole responsibility of the user. All materials may present known hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.**