Material Safety Data Sheet



90 MXC - Iron Nickel Chrome Wire

1. Product and company identification

90 MXC - Iron Nickel Chrome Wire **Product name**

TAFA Inc. A Praxair Surface Technologies Company **Supplier**

> 146 Pembroke Rd. Concord, NH 03301

Manufacturer

90 MXC - Iron Nickel Chrome Wire Code 90 MXC - Iron Nickel Chrome Wire MSDS#

Validation date 10/4/2012. **Print date** 10/4/2012. Responsible name : Sarah Behling 603-224-9585 In case of emergency

Chemtrec 1-800-424-9300

: Solid. **Product type**

2. Hazards identification

Emergency overview

: Solid. [Wire] **Physical state** Color : Silver. : Odorless. Odor : CAUTION! Signal word

: MAY BE HARMFUL IF SWALLOWED. MAY CAUSE EYE AND SKIN IRRITATION. **Hazard statements**

CONTAINS MATERIAL THAT MAY CAUSE TARGET ORGAN DAMAGE, BASED ON ANIMAL DATA. SUSPECT CANCER HAZARD - CONTAINS MATERIAL WHICH MAY

CAUSE CANCER.

Do not handle until all safety precautions have been read and understood. Obtain **Precautionary measures**

> special instructions before use. Do not ingest. Do not eat, drink or smoke when using this product. Avoid contact with eyes, skin and clothing. Use personal protective

equipment as required. Wash thoroughly after handling.

OSHA/HCS status : This material is considered hazardous by the OSHA Hazard Communication Standard

(29 CFR 1910.1200).

Potential acute health effects

Inhalation No known significant effects or critical hazards.

: Harmful if swallowed. Ingestion Slightly irritating to the skin. Skin Slightly irritating to the eyes. **Eves**

Potential chronic health effects

Chronic effects : Contains material that may cause target organ damage, based on animal data.

: Contains material which may cause cancer. Risk of cancer depends on duration and Carcinogenicity

level of exposure.

No known significant effects or critical hazards. Mutagenicity **Teratogenicity** No known significant effects or critical hazards. **Developmental effects** No known significant effects or critical hazards. **Fertility effects** No known significant effects or critical hazards.

Contains material which may cause damage to the following organs: blood, kidneys, **Target organs**

lungs, the nervous system, liver, gastrointestinal tract, upper respiratory tract, skin,

central nervous system (CNS), eye, lens or cornea, nose/sinuses.

Over-exposure signs/symptoms

: No specific data. Inhalation

2. Hazards identification

Ingestion

: No specific data.

Skin

: Adverse symptoms may include the following:

irritation redness

Eyes

: Adverse symptoms may include the following:

irritation watering redness

Medical conditions aggravated by over-exposure

: Pre-existing disorders involving any target organs mentioned in this MSDS as being at risk may be aggravated by over-exposure to this product.

See toxicological information (Section 11)

3. Composition/information on ingredients

| Name | CAS number | % |
|------------|------------|---------|
| Nickel | 7440-02-0 | 5 - 20 |
| Copper | 7440-50-8 | 1 - 5 |
| Iron | 7439-89-6 | 50 - 75 |
| Silicon | 7440-21-3 | 1 - 5 |
| Boron | 7440-42-8 | 1 - 5 |
| Manganese | 7439-96-5 | 1 - 5 |
| Molybdenum | 7439-98-7 | 1 - 5 |
| Chromium | 7440-47-3 | 20 - 50 |

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 immediately.

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 immediately.

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 immediately.

Ingestion

: 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 immediately.

Protection of first-aiders

: No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

Notes to physician

No specific treatment. Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

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

Hazardous thermal decomposition products : Decomposition products may include the following materials: 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

Personal 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. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. 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. Approach release from upwind. 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. Remove contaminated clothing and protective equipment before entering eating areas. Avoid exposure - obtain special instructions before use. Do not get in eyes or on skin or clothing. Do not ingest. If during normal use the material presents a respiratory hazard, use only with adequate ventilation or wear appropriate respirator. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.

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

| Ingredient | Exposure limits |
|------------|---|
| Chromium | ACGIH TLV (United States, 2/2010). Notes: measured as Cr TWA: 0.5 mg/m³, (measured as Cr) 8 hour(s). Form: Inorganic NIOSH REL (United States, 6/2009). Notes: See Appendix C - Supplemental Exposure Limits TWA: 0.5 mg/m³ 10 hour(s). OSHA PEL (United States, 6/2010). Notes: as Cr TWA: 1 mg/m³, (as Cr) 8 hour(s). OSHA PEL 1989 (United States, 3/1989). TWA: 1 mg/m³ 8 hour(s). |
| Nickel | ACGIH TLV (United States, 2/2010). Notes: Refers to Appendix A Carcinogens. Inhalable fraction. See Appendix C, paragraph A. Inhalable Particulate Mass TLVs (IPM-TLVs) for those materials that are hazardous when deposited anywhere in the respiratory tract. 1998 Adoption. TWA: 1.5 mg/m³ 8 hour(s). Form: Inhalable fraction NIOSH REL (United States, 6/2009). Notes: as Ni TWA: 0.015 mg/m³, (as Ni) 10 hour(s). OSHA PEL (United States, 6/2010). Notes: as Ni TWA: 1 mg/m³, (as Ni) 8 hour(s). OSHA PEL 1989 (United States, 3/1989). Notes: as Ni TWA: 1 mg/m³, (as Ni) 8 hour(s). |
| Copper | NIOSH REL (United States, 6/2009). Notes: Note: The REL and PEL also apply to other copper compounds (as Cu) except Copper fumes. TWA: 1 mg/m³ 10 hour(s). Form: Dusts and Mists OSHA PEL (United States, 6/2010). TWA: 1 mg/m³ 8 hour(s). Form: Dusts and Mists TWA: 0.1 mg/m³ 8 hour(s). Form: Fume OSHA PEL 1989 (United States, 3/1989). Notes: as Cu TWA: 1 mg/m³, (as Cu) 8 hour(s). Form: Dusts and Mists TWA: 0.1 mg/m³, (as Cu) 8 hour(s). Form: Fume ACGIH TLV (United States, 2/2010). Notes: as Cu TWA: 1 mg/m³, (as Cu) 8 hour(s). ACGIH TLV (United States, 2/2010). Notes: Substances for which the TLV is higher than the OSHA Permissible Exposure Limit (PEL) and/or the NIOSH Recommended Exposure Limit (REL). See CFR 58(124):36338-33351, June 30, 1993, for revised OSHA PEL. Adopted Values enclosed are those for which changes are proposed. Consult the Notice of Intended Changes. TWA: 0.2 mg/m³ 8 hour(s). Form: Fume |
| Silicon | OSHA PEL (United States, 6/2010). TWA: 5 mg/m³ 8 hour(s). Form: Respirable fraction TWA: 15 mg/m³ 8 hour(s). Form: Total dust OSHA PEL 1989 (United States, 3/1989). TWA: 5 mg/m³ 8 hour(s). Form: Respirable fraction TWA: 10 mg/m³ 8 hour(s). Form: Total dust NIOSH REL (United States, 6/2009). TWA: 10 mg/m³ 10 hour(s). Form: Total |
| Manganese | OSHA PEL (United States, 6/2010). Notes: as Mn CEIL: 5 mg/m³, (as Mn) Form: Fume OSHA PEL 1989 (United States, 3/1989). Notes: as Mn STEL: 3 mg/m³, (as Mn) 15 minute(s). Form: Fume TWA: 1 mg/m³, (as Mn) 8 hour(s). Form: Fume ACGIH TLV (United States, 2/2010). Notes: as Mn TWA: 0.2 mg/m³, (as Mn) 8 hour(s). |
| Molybdenum | ACGIH TLV (United States, 2/2010). TWA: 10 mg/m³, (as Mo) 8 hour(s). Form: Inhalable fraction |

8. Exposure controls/personal protection

ACGIH TLV (United States, 2/2010). Notes: as Mo

TWA: 3 mg/m³, (as Mo) 8 hour(s). Form: Respirable fraction

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

: If user operations generate dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants 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.

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. [Wire]
Color : Silver.
Odor : Odorless.

Melting/freezing point : 1400°C (2552°F)

Relative density : 7.36

VOC content : 0 lbs/gal (0 g/l)

10. Stability and reactivity

Chemical stability

: The product is stable.

Conditions to avoid

: No specific data.

Incompatible materials
Hazardous decomposition

: No specific data.

products

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

Possibility of hazardous reactions

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

10/4/2012.

11. Toxicological information

Acute toxicity

| Product/ingredient name | Result | Species | Dose | Exposure |
|-------------------------|-----------|---------|------------|----------|
| Silicon | LD50 Oral | Rat | 3160 mg/kg | - |
| Boron | LD50 Oral | Rat | 650 mg/kg | - |
| Manganese | LD50 Oral | Rat | 9 g/kg | - |

Conclusion/Summary

Chronic toxicity

Conclusion/Summary

: Not available.

: Not available.

Irritation/Corrosion

| Product/ingredient name | Result | Species | Score | Exposure | Observation |
|-------------------------|----------------------|---------|-------|--------------|-------------|
| Silicon | Eyes - Mild irritant | Rabbit | - | 3 milligrams | - |
| Manganese | Eyes - Mild irritant | Rabbit | - | 24 hours 500 | - |
| | | | | milligrams | |
| | Skin - Mild irritant | Rabbit | - | 24 hours 500 | - |
| | | | | milligrams | |

Conclusion/Summary

Sensitizer

Conclusion/Summary

: Not available.

: Not available.

Carcinogenicity

Conclusion/Summary

: Not available.

Classification

| Product/ingredient name | ACGIH | IARC | EPA | NIOSH | NTP | OSHA |
|-------------------------|-------|------|-----|-------|----------|------|
| Chromium | A4 | 3 | - | - | - | - |
| Nickel | A5 | 2B | - | + | Possible | - |

Mutagenicity

Conclusion/Summary

: Not available.

Teratogenicity

Conclusion/Summary

: Not available.

Reproductive toxicity

Conclusion/Summary: Not available.

12. Ecological information

Ecotoxicity

: No known significant effects or critical hazards.

Aquatic ecotoxicity

| Product/ingredient name | Result | Species | Exposure |
|-------------------------|-----------------------------------|--|----------|
| Chromium | Acute EC50 17.8 mg/L Marine water | Algae - Dunaliella tertiolecta - Exponential growth phase | 72 hours |
| | Acute EC50 5 ppm Marine water | Aquatic plants - Macrocystis pyrifera - Young | 4 days |
| | Acute LC50 87.5 ppm Marine water | Crustaceans - Scylla serrata - Intermolt - 9 cm - 95 g | 48 hours |
| | Acute LC50 14.3 ppm Fresh water | Fish - Cyprinus carpio | 96 hours |
| Nickel | Acute EC50 450 ug/L Fresh water | Aquatic plants - Lemna minor | 4 days |
| | Acute EC50 1000 ug/L Marine water | Daphnia - Daphnia magna - <24 hours | 48 hours |
| | Acute IC50 0.31 mg/L Marine water | Crustaceans - Americamysis bahia - Juvenile (Fledgling, Hatchling, Weanling) - <48 hours | 48 hours |
| | Acute LC50 47.5 ng/L Fresh water | Fish - Heteropneustes fossilis | 96 hours |
| Copper | Acute EC50 0.04 mg/L Marine water | Algae - Ulva pertusa | 96 hours |
| | Acute EC50 0.1 ppm Marine water | Aquatic plants - Macrocystis | 4 days |

12. Ecological information

| | Acute EC50 4.1 ug/L Fresh water | pyrifera - Young Crustaceans - Simocephalus vetulus - Juvenile (Fledgling, Hatchling, Weanling) - <48 hours | 48 hours |
|------------|-------------------------------------|--|----------|
| | Acute EC50 1 ug/L Fresh water | Daphnia - Ceriodaphnia dubia - Juvenile (Fledgling, Hatchling, Weanling) - <24 hours | 48 hours |
| | Acute IC50 13 ug/L Fresh water | Algae - Pseudokirchneriella subcapitata - Exponential growth phase | 72 hours |
| | Acute LC50 9.4 ug/L Fresh water | Fish - Pimephales promelas - Juvenile (Fledgling, Hatchling, Weanling) - <1 months | 96 hours |
| | Chronic NOEC 7.43 ug/L Fresh water | Fish - Salmo trutta - Immature - 14 cm - 26.3 g | 4 days |
| Boron | Acute EC50 >60000 ug/L Fresh water | Aquatic plants - Lemna minor | 4 days |
| Manganese | Acute EC50 31000 ug/L Fresh water | Aquatic plants - Lemna minor | 4 days |
| | Acute EC50 40000 ug/L Fresh water | Daphnia - Daphnia magna | 48 hours |
| | Chronic NOEC 28000 ug/L Fresh water | Daphnia - Daphnia magna | 48 hours |
| Molybdenum | Acute LC50 800 mg/L Fresh water | Fish - Oncorhynchus mykiss - 20 mm | 96 hours |

Conclusion/Summary
Persistence/degradability

: Not available.

Conclusion/Summary

: Not available.

Other adverse effects

: No known significant effects or critical hazards.

13. Disposal considerations

Waste disposal

: The generation of waste should be avoided or minimized wherever possible. Significant quantities of waste product residues should not be disposed of via the foul sewer but processed in a suitable effluent treatment plant. 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. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. 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

| | | | | 1 | | |
|--------------------------|----------------|----------------------|---------|-----|-------|------------------------|
| Regulatory information | UN number | Proper shipping name | Classes | PG* | Label | Additional information |
| DOT Classification | Not regulated. | - | - | - | | - |
| TDG Classification | Not regulated. | - | - | - | | - |
| Mexico Classification | Not regulated. | - | - | - | | - |
| ADR/RID Class | Not regulated. | - | - | - | | - |
| | | | | | | |

| 90 MXC - Iron Nickel Chrome Wire | | | | | | |
|----------------------------------|----------------|---|---|---|---|--|
| 14. Transport information | | | | | | |
| IMDG Class | Not regulated. | - | - | - | - | |
| IATA-DGR Class | Not regulated. | - | - | - | - | |

PG*: Packing group

15. Regulatory information

HCS Classification

: Carcinogen

Target organ effects

U.S. Federal regulations

: TSCA 8(a) IUR Exempt/Partial exemption: Not determined

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

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: Nickel; Copper; Silicon; Manganese;

SARA 311/312 MSDS distribution - chemical inventory - hazard identification: Nickel: Fire hazard, Immediate (acute) health hazard, Delayed (chronic) health hazard; Copper: Immediate (acute) health hazard; Iron: Fire hazard; Silicon: Fire hazard, Immediate (acute) health hazard; Manganese: reactive, Immediate (acute) health hazard, Delayed (chronic) health hazard; Molybdenum: Immediate (acute) health hazard, Delayed (chronic) health hazard

Clean Water Act (CWA) 307: Chromium; Nickel; Copper

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

: Listed

Clean Air Act Section 602

Class I Substances

: Not listed

Clean Air Act Section 602 : Not listed

Class II Substances

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 | Chromium | 7440-47-3 | 20 - 50 |
| | Nickel | 7440-02-0 | 5 - 20 |
| | Copper | 7440-50-8 | 1 - 5 |
| | Manganese | 7439-96-5 | 1 - 5 |
| Supplier notification | Chromium | 7440-47-3 | 20 - 50 |
| | Nickel | 7440-02-0 | 5 - 20 |
| | Copper | 7440-50-8 | 1 - 5 |
| | Manganese | 7439-96-5 | 1 - 5 |

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

Massachusetts

: The following components are listed: CHROMIUM; NICKEL; COPPER; SILICON DUST; MANGANESE; MOLYBDENUM

New York

: The following components are listed: Chromium; Nickel; Copper

New Jersey

The following components are listed: CHROMIUM; NICKEL; COPPER; SILICON;

BORON; MANGANESE; MOLYBDENUM

15. Regulatory information

Pennsylvania

: The following components are listed: CHROMIUM; NICKEL; COPPER FUME; SILICON; MANGANESE: MOLYBDENUM

California Prop. 65

WARNING: This product contains a chemical known to the State of California to cause cancer.

| Ingredient name | Cancer | Reproductive | | Maximum acceptable dosage level |
|-----------------|--------|--------------|-----|---------------------------------|
| Nickel | Yes. | No. | No. | No. |

Canada inventory

International regulations

International lists

: All components are listed or exempted.

: Australia inventory (AICS): All components are listed or exempted. China inventory (IECSC): All components are listed or exempted.

Japan inventory: Not determined.

Korea inventory: All components are listed or exempted.

New Zealand Inventory of Chemicals (NZIoC): All components are listed or exempted.

Philippines inventory (PICCS): All components are listed or exempted.

Chemical Weapons

Convention List Schedule I

Chemicals

: Not listed

Chemical Weapons

Convention List Schedule

II Chemicals

Chemical Weapons

Convention List Schedule

III Chemicals

: Not listed

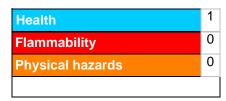
: Not listed

16. Other information

Label requirements

: MAY BE HARMFUL IF SWALLOWED. MAY CAUSE EYE AND SKIN IRRITATION. CONTAINS MATERIAL THAT MAY CAUSE TARGET ORGAN DAMAGE, BASED ON ANIMAL DATA. SUSPECT CANCER HAZARD - CONTAINS MATERIAL WHICH MAY CAUSE CANCER.

Hazardous Material Information System (U.S.A.)



Caution: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks Although HMIS® ratings are not required on MSDSs under 29 CFR 1910.1200, the preparer may choose to provide them. HMIS® ratings are to be used with a fully implemented HMIS® program. HMIS® is a registered mark of the National Paint & Coatings Association (NPCA). HMIS® materials may be purchased exclusively from J. J. Keller (800) 327-6868.

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

National Fire Protection Association (U.S.A.)

Health 1 0 Instability/Reactivity
Special

16. Other information

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Copyright ©2001, National Fire Protection Association, Quincy, MA 02269. This warning system is intended to be interpreted and applied only by properly trained individuals to identify fire, health and reactivity hazards of chemicals. The user is referred to certain limited number of chemicals with recommended classifications in NFPA 49 and NFPA 325, which would be used as a guideline only. Whether the chemicals are classified by NFPA or not, anyone using the 704 systems to classify chemicals does so at their own risk.

Date of printing : **10/4/2012. Date of issue** : 10/4/2012.

Date of previous issue : No previous validation.

Version : 1

Prepared by : Not available.

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 unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.