

# MATERIAL SAFETY DATA SHEET - 16 Sections

## SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

|  |                     |   |  |  |
|--|---------------------|---|--|--|
| Product Identifier<br><b>#529, #940BP Waterproof Matches</b> |                     |   | [WHMIS Classification]                       |  |
| Product Use  |                     |   |  |  |
| Manufacturer's Name  |                     | Supplier's Name<br><b>Coghlan's Ltd.</b>  |  |  |
| Street Address   |                     | Street Address<br><b>121 Irene Street</b> |  |  |
| City   | Province            | City<br><b>Winnipeg</b>                   | Province<br><b>Manitoba</b>                  |  |
| Postal Code  | Emergency Telephone | Postal Code<br><b>R3T 4C7</b>             | Emergency Telephone<br><b>1-800-451-8346</b> |  |
| Date MSDS Revised<br><b>February 1, 2012</b>                 | MSDS Prepared By    |   | Phone Number<br><b>(204)284-9550</b>         |  |

## SECTION 2 - COMPOSITION/INFORMATION ON INGREDIENTS

| Hazardous Ingredients (specific)  | % | CAS Number | LD <sub>50</sub> of Ingredient<br>(specify species and route) | LC <sub>50</sub> of Ingredient<br>(specify species) |
|---|---|------------|---|---|
| Head - Red Phosphorus   |   |            |   |   |
| Antimony Oxide  |   |            |   |   |
|   |   |            |   |   |
|   |   |            |   |   |
| None of the ingredients in this product are considered to be hazardous by OSHA. |   |            |   |   |

## SECTION 3 - HAZARDS IDENTIFICATION

|   |                                       |  |   |                                     |   |
|---|---------------------------------------|--|---|-------------------------------------|---|
| Route of Entry  | <input type="checkbox"/> Skin Contact | <input type="checkbox"/> Skin Absorption | <input checked="" type="checkbox"/> Eye Contact | <input type="checkbox"/> Inhalation | <input checked="" type="checkbox"/> Ingestion |
| [Emergency Overview]<br><b>Flammable solid.</b>                                 |                                       |  |   |                                     |   |
| [WHMIS Symbols]   |                                       |  |   |                                     |   |
| [Potential Health Effects]<br><b>If ingested: may cause nausea and vomiting</b> |                                       |  |   |                                     |   |
| <b>Eye contact: May cause slight irritation</b>                                 |                                       |  |   |                                     |   |
|   |                                       |  |   |                                     |   |

## SECTION 4 - FIRST AID MEASURES

|   |
|---|
| Skin Contact<br><b>No first aid needed.</b>   |
| Eye Contact<br><b>Flush affected eyes with copious amounts of water and seek immediate medical attention.</b> |
| Inhalation<br><b>No first aid needed.</b>   |
| Ingestion<br><b>No first aid needed.</b>  |

[ Optional, not required under WHMIS ]

SECTION 5 – FIRE FIGHTING MEASURES

|   |  |  |
|---|--|--|
| Flammable <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |  | If yes, under which conditions?<br>If heated to high temperatures. |
| Extinguishing Media<br>Carbon dioxide, water spray, water                     |  |  |
| Flashpoint (°C) and Method  | Upper Flammable Limit (% by volume)    | Lower Flammable Limit (% by volume)                                |
| Autoignition Temperature (°C)   | Explosion Data – Sensitivity to Impact | Explosion Data – Sensitivity to Static Discharge                   |
| Hazardous Combustion Products<br>Carbon dioxide, Carbon monoxide              |  |  |
| [NFPA]  |  |  |

SECTION 6 – ACCIDENTAL RELEASE MEASURES

|  |
|--|
| Leak and Spill Procedures<br><br>Pick up and place in appropriate container. |
|  |
|  |

SECTION 7 – HANDLING AND STORAGE

|   |
|---|
| Handling Procedures and Equipment<br>No special handling procedures needed.   |
|   |
|   |
| Storage Requirements<br>Store this product away from heat, sparks and open flames. Store away from flammable materials. |
|   |
|   |

SECTION 8 – EXPOSURE CONTROL / PERSONAL PROTECTION

|   |
|---|
| Exposure Limits <input type="checkbox"/> ACGIH TLV <input type="checkbox"/> OSHA PEL <input type="checkbox"/> Other (specify)   |
| Specific Engineering Controls (such as ventilation, enclosed process)   |
|   |
|   |
| Personal Protective Equipment <input type="checkbox"/> Gloves <input type="checkbox"/> Respirator <input type="checkbox"/> Eye <input type="checkbox"/> Footwear <input type="checkbox"/> Clothing <input type="checkbox"/> Other |
| If checked, please specify type   |
|   |

**SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES**

|   |  |   |
|---|--|---|
| Physical State<br><b>Solid, Multiple colors</b> | Odour and Appearance<br><b>no odor</b> | Odour Threshold (ppm)                     |
| Specific Gravity                                | Vapour Density (air=1)                 | Vapour Pressure (mmHg)                    |
| Evaporation Rate                                | Boiling Point (°C)                     | Freezing Point (°C)                       |
| pH  | Coefficient of Water/Oil Distribution  | [Solubility in Water]<br><b>Insoluble</b> |

**SECTION 10 – STABILITY AND REACTIVITY**

|  |   |
|--|---|
| Chemical Stability<br><input checked="" type="checkbox"/> Yes <input type="checkbox"/> No                      | If no, under which conditions?  |
| Incompatibility with Other Substances<br><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No   | If yes, which ones?<br><b>Keep away from heat, sparks and open flame.</b> |
| Reactivity, and under what conditions?<br><b>This material is stable and non-reactive with most materials.</b> |   |
| Hazardous Decomposition Products   |   |

**SECTION 11- TOXICOLOGICAL INFORMATION**

|   |                           |
|---|---------------------------|
| Effects of Acute Exposure<br><b>This product is not expected to cause acute or chronic toxicity or skin/eye irritation.</b> |                           |
| Effects of Chronic Exposure   |                           |
| Irritancy of Product  |                           |
| Skin Sensitization  | Respiratory Sensitization |
| Carcinogenicity – IARC<br><b>No</b>   | Carcinogenicity – ACGIH   |
| Reproductive Toxicity   | Teratogenicity            |
| Embryotoxicity  | Mutagenicity              |
| Name of Synergistic Products/Effects  |                           |

## SECTION 12 - ECOLOGICAL INFORMATION

[Aquatic Toxicity]

This product is not expected to cause toxicity to the environment. Components of this material are not bio-magnified or bio-concentrated in the environment.

## SECTION 13 - DISPOSAL CONSIDERATIONS

Waste Disposal

This product may be disposed in a municipal landfill.

## SECTION 14 - TRANSPORT INFORMATION

Special Shipping Information

Matches, Safety, Class 4.1, UN 1944, PG III

PIN

TDG

[DOT]

[IMO]

[ICAO]

## SECTION 15 - REGULATORY INFORMATION

[WHMIS Classification]

[OSHA]

No

[SERA]

[TSCA]

*This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all of the information required by CPR.*

## SECTION 16 - OTHER INFORMATION

The recommendations and information contained in this MSDS have been compiled from sources believed to represent the most current information available when the MSDS was prepared. However, the manufacturer/distributor of this product provides any warranty, guaranty or representation as to the correctness or sufficiency of this information. If this product is to be used in large amounts and/or an unusual manner, the user is obliged to determine what safety measures are appropriate, including the applicable and relevant workplace and environmental regulations pertaining to handling, use and disposal.