



## DAYGLO

### BARNES PRODUCTS PTY LTD

Chemwatch: 5284-58

Version No: 5.1

Safety Data Sheet according to the Health and Safety at Work (Hazardous Substances) Regulations 2017

Chemwatch Hazard Alert Code: 1

Issue Date: 17/03/2023

Print Date: 09/06/2023

S.GHS.NZL.EN.E

#### SECTION 1 Identification of the substance / mixture and of the company / undertaking

##### Product Identifier

|                               |                      |
|-------------------------------|----------------------|
| Product name                  | DAYGLO               |
| Chemical Name                 | Not Applicable       |
| Synonyms                      | DAYGLO - ALL COLOURS |
| Chemical formula              | Not Applicable       |
| Other means of identification | Not Available        |

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

|                          |  |
|--------------------------|--|
| Relevant identified uses | Fluorescent pigment.<br>SDS are intended for use in the workplace ONLY. For domestic-use products, refer to consumer labels. |
|--------------------------|--|

##### Details of the manufacturer or supplier of the safety data sheet

|                         |  |
|-------------------------|--|
| Registered company name | BARNES PRODUCTS PTY LTD                                      |
| Address                 | 5 GREENHILLS AVE MOOREBANK NSW 2170 Australia                |
| Telephone               | Barnes Australia +612 9793 7555 Mon-Fri 8am-4:30pm           |
| Fax                     | Barnes Australia +612 9793 7091                              |
| Website                 | <a href="http://www.barnesnz.co.nz">www.barnesnz.co.nz</a>   |
| Email                   | <a href="mailto:sales@barnes.com.au">sales@barnes.com.au</a> |

##### Emergency telephone number

|                                   |   |
|-----------------------------------|---|
| Association / Organisation        | New Zealand Poisons Information Centre                              |
| Emergency telephone numbers       | Barnes NZ +649 9731 816 - Monday-Thursday 9am-5pm Friday 9am-4.30pm |
| Other emergency telephone numbers | New Zealand Poisons Information Centre 0800 764 766 After Hours     |

#### SECTION 2 Hazards identification

##### Classification of the substance or mixture

|   |                |
|---|----------------|
| Classification [1]                              | Not Applicable |
| Determined by Chemwatch using GHS/HSNO criteria | Not Available  |

##### Label elements

|                     |                |
|---------------------|----------------|
| Hazard pictogram(s) | Not Applicable |
| Signal word         | Not Applicable |

##### Hazard statement(s)

Not Applicable

##### Precautionary statement(s) Prevention

Not Applicable

##### Precautionary statement(s) Response

Not Applicable

##### Precautionary statement(s) Storage

Not Applicable

##### Precautionary statement(s) Disposal

Not Applicable

## SECTION 3 Composition / information on ingredients

### Substances

See section below for composition of Mixtures

### Mixtures

| CAS No   | %[weight] | Name                                       |
|--|-----------|--|
| Not Available  | 100       | Ingredients determined not to be hazardous |
| <b>Legend:</b> 1. Classified by Chemwatch; 2. Classification drawn from CCID EPA NZ; 3. Classification drawn from Regulation (EU) No 1272/2008 - Annex VI; 4. Classification drawn from C&L; * EU IOELVs available |           |  |

## SECTION 4 First aid measures

### Description of first aid measures

|                     |   |
|---------------------|---|
| <b>Eye Contact</b>  | If this product comes in contact with eyes: <ul style="list-style-type: none"><li>Wash out immediately with water.</li><li>If irritation continues, seek medical attention.</li><li>Removal of contact lenses after an eye injury should only be undertaken by skilled personnel.</li></ul> |
| <b>Skin Contact</b> | If skin or hair contact occurs: <ul style="list-style-type: none"><li>Flush skin and hair with running water (and soap if available).</li><li>Seek medical attention in event of irritation.</li></ul>  |
| <b>Inhalation</b>   | <ul style="list-style-type: none"><li>If fumes, aerosols or combustion products are inhaled remove from contaminated area.</li><li>Other measures are usually unnecessary.</li></ul>  |
| <b>Ingestion</b>    | <ul style="list-style-type: none"><li>Immediately give a glass of water.</li><li>First aid is not generally required. If in doubt, contact a Poisons Information Centre or a doctor.</li></ul>  |

### Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

## SECTION 5 Firefighting measures

### Extinguishing media

- Foam.
- Dry chemical powder.
- BCF (where regulations permit).
- Carbon dioxide.
- Water spray or fog - Large fires only.

### Special hazards arising from the substrate or mixture

|                             |  |
|-----------------------------|--|
| <b>Fire Incompatibility</b> | Avoid contamination with oxidising agents i.e. nitrates, oxidising acids, chlorine bleaches, pool chlorine etc. as ignition may result |
|-----------------------------|--|

### Advice for firefighters

|                              |  |
|------------------------------|--|
| <b>Fire Fighting</b>         | <ul style="list-style-type: none"><li>Alert Fire Brigade and tell them location and nature of hazard.</li><li>Wear breathing apparatus plus protective gloves.</li><li>Prevent, by any means available, spillage from entering drains or water courses.</li><li>Use water delivered as a fine spray to control fire and cool adjacent area.</li><li><b>DO NOT</b> approach containers suspected to be hot.</li><li>Cool fire exposed containers with water spray from a protected location.</li><li>If safe to do so, remove containers from path of fire.</li></ul>   |
| <b>Fire/Explosion Hazard</b> | <ul style="list-style-type: none"><li>Solid which exhibits difficult combustion or is difficult to ignite.</li><li>Avoid generating dust, particularly clouds of dust in a confined or unventilated space as dusts may form an explosive mixture with air, and any source of ignition, i.e. flame or spark, will cause fire or explosion.</li><li>Dust clouds generated by the fine grinding of the solid are a particular hazard; accumulations of fine dust (420 micron or less) may burn rapidly and fiercely if ignited; once initiated larger particles up to 1400 microns diameter will contribute to the propagation of an explosion.</li><li>A dust explosion may release large quantities of gaseous products; this in turn creates a subsequent pressure rise of explosive force capable of damaging plant and buildings and injuring people.</li><li>Usually the initial or primary explosion takes place in a confined space such as plant or machinery, and can be of sufficient force to damage or rupture the plant. If the shock wave from the primary explosion enters the surrounding area, it will disturb any settled dust layers, forming a second dust cloud, and often initiate a much larger secondary explosion. All large scale explosions have resulted from chain reactions of this type.</li></ul> <p>Decomposition may produce toxic fumes of:<br/>carbon monoxide (CO)<br/>carbon dioxide (CO2)<br/>other pyrolysis products typical of burning organic material.</p> |

## SECTION 6 Accidental release measures

### Personal precautions, protective equipment and emergency procedures

See section 8

### Environmental precautions

See section 12

### Methods and material for containment and cleaning up

Continued...

|              |   |
|--------------|---|
| Minor Spills | <ul style="list-style-type: none"> <li>Remove all ignition sources.</li> <li>Clean up all spills immediately.</li> <li>Avoid contact with skin and eyes.</li> <li>Control personal contact with the substance, by using protective equipment.</li> <li>Use dry clean up procedures and avoid generating dust.</li> <li>Place in a suitable, labelled container for waste disposal.</li> </ul>   |
| Major Spills | <ul style="list-style-type: none"> <li>Remove all ignition sources.</li> <li>Clear area of personnel and move upwind.</li> <li>Alert Fire Brigade and tell them location and nature of hazard.</li> <li>Control personal contact with the substance, by using protective equipment and dust respirator.</li> <li>Prevent spillage from entering drains, sewers or water courses.</li> <li>Avoid generating dust.</li> <li>Sweep, shovel up. Recover product wherever possible.</li> </ul> |

Personal Protective Equipment advice is contained in Section 8 of the SDS.

## SECTION 7 Handling and storage

### Precautions for safe handling

|                   |  |
|-------------------|--|
| Safe handling     | <ul style="list-style-type: none"> <li>Remove all ignition sources.</li> <li>Limit all unnecessary personal contact.</li> <li>Wear protective clothing when risk of exposure occurs.</li> <li>Use in a well-ventilated area.</li> <li><b>When handling DO NOT eat, drink or smoke.</b></li> <li>Always wash hands with soap and water after handling.</li> <li>Avoid physical damage to containers.</li> <li>Use good occupational work practice.</li> </ul> |
| Other information | <ul style="list-style-type: none"> <li>Keep dry.</li> <li>Store under cover.</li> <li>Store in a well ventilated area.</li> <li>Store away from sources of heat or ignition.</li> <li>Observe manufacturer's storage and handling recommendations contained within this SDS.</li> </ul>  |

### Conditions for safe storage, including any incompatibilities

|                         |  |
|-------------------------|--|
| Suitable container      | Store in original containers.  |
| Storage incompatibility | <ul style="list-style-type: none"> <li>Avoid reaction with oxidising agents</li> </ul> |

## SECTION 8 Exposure controls / personal protection

### Control parameters

Occupational Exposure Limits (OEL)

### INGREDIENT DATA


Not Available

### Emergency Limits

| Ingredient | TEEL-1        | TEEL-2        | TEEL-3        |
|------------|---------------|---------------|---------------|
| DAYGLO     | Not Available | Not Available | Not Available |

| Ingredient | Original IDLH | Revised IDLH  |
|------------|---------------|---------------|
| DAYGLO     | Not Available | Not Available |

### Exposure controls

|   |  |
|---|--|
| Appropriate engineering controls                                      | General exhaust is adequate under normal operating conditions.   |
| Individual protection measures, such as personal protective equipment |   |
| Eye and face protection   | <p>No special equipment for minor exposure i.e. when handling small quantities.</p> <p><b>OTHERWISE:</b></p> <ul style="list-style-type: none"> <li>Safety glasses with side shields.</li> <li>Contact lenses may pose a special hazard; soft contact lenses may absorb and concentrate irritants. A written policy document, describing the wearing of lenses or restrictions on use, should be created for each workplace or task. This should include a review of lens absorption and adsorption for the class of chemicals in use and an account of injury experience. Medical and first-aid personnel should be trained in their removal and suitable equipment should be readily available. In the event of chemical exposure, begin eye irrigation immediately and remove contact lens as soon as practicable.</li> </ul> |
| Skin protection   | See Hand protection below  |
| Hands/feet protection   | <p>No special equipment needed when handling small quantities.</p> <p><b>OTHERWISE:</b> Wear chemical protective gloves, e.g. PVC.</p>   |
| Body protection   | See Other protection below   |
| Other protection  | <p>No special equipment needed when handling small quantities.</p> <p><b>OTHERWISE:</b></p> <ul style="list-style-type: none"> <li>Overalls.</li> <li>Barrier cream.</li> </ul>  |

Continued...

► Eyewash unit.

## Respiratory protection

Type -P Filter of sufficient capacity. (AS/NZS 1716 & 1715, EN 143:2000 & 149:2001, ANSI Z88 or national equivalent)

| Required Minimum Protection Factor | Half-Face Respirator | Full-Face Respirator | Powered Air Respirator |
|------------------------------------|----------------------|----------------------|------------------------|
| up to 10 x ES                      | P1<br>Air-line*      | -                    | PAPR-P1<br>-           |
| up to 50 x ES                      | Air-line**           | P2                   | PAPR-P2                |
| up to 100 x ES                     | -                    | P3                   | -                      |
|                                    |                      | Air-line*            | -                      |
| 100+ x ES                          | -                    | Air-line**           | PAPR-P3                |

\* - Negative pressure demand \*\* - Continuous flow

A(All classes) = Organic vapours, B AUS or B1 = Acid gasses, B2 = Acid gas or hydrogen cyanide(HCN), B3 = Acid gas or hydrogen cyanide(HCN), E = Sulfur dioxide(SO<sub>2</sub>), G = Agricultural chemicals, K = Ammonia(NH<sub>3</sub>), Hg = Mercury, NO = Oxides of nitrogen, MB = Methyl bromide, AX = Low boiling point organic compounds(below 65 degC)

## SECTION 9 Physical and chemical properties

### Information on basic physical and chemical properties

| Appearance                                   | Coloured powder. |   |                |
|--|------------------|---|----------------|
| Physical state                               | Divided Solid    | Relative density (Water = 1)            | Not Available  |
| Odour  | Not Available    | Partition coefficient n-octanol / water | Not Available  |
| Odour threshold                              | Not Available    | Auto-ignition temperature (°C)          | Not Available  |
| pH (as supplied)                             | Not Applicable   | Decomposition temperature (°C)          | Not Available  |
| Melting point / freezing point (°C)          | Not Applicable   | Viscosity (cSt)                         | Not Applicable |
| Initial boiling point and boiling range (°C) | Not Applicable   | Molecular weight (g/mol)                | Not Applicable |
| Flash point (°C)                             | Not Applicable   | Taste                                   | Not Available  |
| Evaporation rate                             | Not Applicable   | Explosive properties                    | Not Available  |
| Flammability                                 | Not Applicable   | Oxidising properties                    | Not Available  |
| Upper Explosive Limit (%)                    | Not Available    | Surface Tension (dyn/cm or mN/m)        | Not Applicable |
| Lower Explosive Limit (%)                    | Not Available    | Volatile Component (%vol)               | Not Applicable |
| Vapour pressure (kPa)                        | Not Applicable   | Gas group                               | Not Available  |
| Solubility in water                          | Not Available    | pH as a solution (1%)                   | Not Available  |
| Vapour density (Air = 1)                     | Not Applicable   | VOC g/L                                 | Not Applicable |

## SECTION 10 Stability and reactivity

|                                    |  |
|------------------------------------|--|
| Reactivity                         | See section 7  |
| Chemical stability                 | <ul style="list-style-type: none"> <li>► Unstable in the presence of incompatible materials.</li> <li>► Product is considered stable.</li> <li>► Hazardous polymerisation will not occur.</li> </ul> |
| Possibility of hazardous reactions | See section 7  |
| Conditions to avoid                | See section 7  |
| Incompatible materials             | See section 7  |
| Hazardous decomposition products   | See section 5  |

## SECTION 11 Toxicological information

### Information on toxicological effects

|              |   |
|--------------|---|
| Inhaled      | The material is not thought to produce adverse health effects or irritation of the respiratory tract (as classified by EC Directives using animal models). Nevertheless, good hygiene practice requires that exposure be kept to a minimum and that suitable control measures be used in an occupational setting. |
| Ingestion    | Although ingestion is not thought to produce harmful effects (as classified under EC Directives), the material may still be damaging to the health of the individual, following ingestion, especially where pre-existing organ (e.g. liver, kidney) damage is evident.  |
| Skin Contact | The material is not thought to produce adverse health effects or skin irritation following contact (as classified by EC Directives using animal models). Nevertheless, good hygiene practice requires that exposure be kept to a minimum and that suitable gloves be used in an occupational setting.             |
| Eye          | Although the material is not thought to be an irritant (as classified by EC Directives), direct contact with the eye may cause transient discomfort characterised by tearing or conjunctival redness (as with windburn). Slight abrasive damage may also result.  |

Continued...

|         |   |                             |
|---------|---|-----------------------------|
| Chronic | Long term exposure to high dust concentrations may cause changes in lung function i.e. pneumoconiosis, caused by particles less than 0.5 micron penetrating and remaining in the lung.<br>There is limited evidence that, skin contact with this product is more likely to cause a sensitisation reaction in some persons compared to the general population. |                             |
| DAYGLO  | TOXICITY<br>Oral (Rat) LD50: >2000 mg/kg <sup>[2]</sup>   | IRRITATION<br>Not Available |
| Legend: | 1. Value obtained from Europe ECHA Registered Substances - Acute toxicity 2. Value obtained from manufacturer's SDS. Unless otherwise specified data extracted from RTECS - Register of Toxic Effect of chemical Substances   |                             |

|                                   |   |                          |   |
|-----------------------------------|---|--------------------------|---|
| Acute Toxicity                    | ✗ | Carcinogenicity          | ✗ |
| Skin Irritation/Corrosion         | ✗ | Reproductivity           | ✗ |
| Serious Eye Damage/Irritation     | ✗ | STOT - Single Exposure   | ✗ |
| Respiratory or Skin sensitisation | ✗ | STOT - Repeated Exposure | ✗ |
| Mutagenicity                      | ✗ | Aspiration Hazard        | ✗ |

Legend: ✗ – Data either not available or does not fill the criteria for classification  
✓ – Data available to make classification

SECTION 12 Ecological information

Toxicity

|         |  |                                     |                          |                        |                         |
|---------|--|-------------------------------------|--------------------------|------------------------|-------------------------|
| DAYGLO  | Endpoint<br>Not Available  | Test Duration (hr)<br>Not Available | Species<br>Not Available | Value<br>Not Available | Source<br>Not Available |
| Legend: | Extracted from 1. IUCLID Toxicity Data 2. Europe ECHA Registered Substances - Ecotoxicological Information - Aquatic Toxicity 4. US EPA, Ecotox database - Aquatic Toxicity Data 5. ECETOC Aquatic Hazard Assessment Data 6. NITE (Japan) - Bioconcentration Data 7. METI (Japan) - Bioconcentration Data 8. Vendor Data |                                     |                          |                        |                         |

DO NOT discharge into sewer or waterways.

Persistence and degradability

|            |                                       |                                       |
|------------|---------------------------------------|---------------------------------------|
| Ingredient | Persistence: Water/Soil               | Persistence: Air                      |
|            | No Data available for all ingredients | No Data available for all ingredients |

Bioaccumulative potential

|            |                                       |
|------------|---------------------------------------|
| Ingredient | Bioaccumulation                       |
|            | No Data available for all ingredients |

Mobility in soil

|            |                                       |
|------------|---------------------------------------|
| Ingredient | Mobility                              |
|            | No Data available for all ingredients |

SECTION 13 Disposal considerations

Waste treatment methods

|                              |   |
|------------------------------|---|
| Product / Packaging disposal | <ul style="list-style-type: none"><li>▶ Recycle wherever possible or consult manufacturer for recycling options.</li><li>▶ Consult State Land Waste Management Authority for disposal.</li><li>▶ Bury residue in an authorised landfill.</li><li>▶ Recycle containers if possible, or dispose of in an authorised landfill.</li></ul> |
|------------------------------|---|

Ensure that the hazardous substance is disposed in accordance with the Hazardous Substances (Disposal) Notice 2017

Disposal Requirements

Not applicable as substance/ material is non hazardous.

SECTION 14 Transport information

Labels Required

|                  |                |
|------------------|----------------|
| Marine Pollutant | NO             |
| HAZCHEM          | Not Applicable |

Land transport (UN): NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS

Air transport (ICAO-IATA / DGR): NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS

Sea transport (IMDG-Code / GGVSee): NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS

Transport in bulk according to Annex II of MARPOL and the IBC code

Not Applicable

Transport in bulk in accordance with MARPOL Annex V and the IMSBC Code

| Product name | Group |
|--------------|-------|
|--------------|-------|

Transport in bulk in accordance with the IGC Code

| Product name | Ship Type |
|--------------|-----------|
|--------------|-----------|

SECTION 15 Regulatory information

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

This substance is to be managed using the conditions specified in an applicable Group Standard

| HSR Number     | Group Standard |
|----------------|----------------|
| Not Applicable | Not Applicable |

Please refer to Section 8 of the SDS for any applicable tolerable exposure limit or Section 12 for environmental exposure limit.

Hazardous Substance Location

Subject to the Health and Safety at Work (Hazardous Substances) Regulations 2017.

| Hazard Class   | Quantities     |
|----------------|----------------|
| Not Applicable | Not Applicable |

Certified Handler

Subject to Part 4 of the Health and Safety at Work (Hazardous Substances) Regulations 2017.

| Class of substance | Quantities     |
|--------------------|----------------|
| Not Applicable     | Not Applicable |

Refer Group Standards for further information

Maximum quantities of certain hazardous substances permitted on passenger service vehicles

Subject to Regulation 13.14 of the Health and Safety at Work (Hazardous Substances) Regulations 2017.

| Hazard Class   | Gas (aggregate water capacity in mL) | Liquid (L)     | Solid (kg)     | Maximum quantity per package for each classification |
|----------------|--------------------------------------|----------------|----------------|--|
| Not Applicable | Not Applicable                       | Not Applicable | Not Applicable | Not Applicable                                       |

Tracking Requirements

Not Applicable

National Inventory Status

| National Inventory                              | Status  |
|---|---|
| Australia - AIIC / Australia Non-Industrial Use | Not Available   |
| Canada - DSL                                    | Not Available   |
| Canada - NDSL                                   | Not Available   |
| China - IECSC                                   | Not Available   |
| Europe - EINEC / ELINCS / NLP                   | Not Available   |
| Japan - ENCS                                    | Not Available   |
| Korea - KECI                                    | Not Available   |
| New Zealand - NZIoC                             | Not Available   |
| Philippines - PICCS                             | Not Available   |
| USA - TSCA                                      | Not Available   |
| Taiwan - TCSI                                   | Not Available   |
| Mexico - INSQ                                   | Not Available   |
| Vietnam - NCI                                   | Not Available   |
| Russia - FBEPH                                  | Not Available   |
| Legend:   | Yes = All CAS declared ingredients are on the inventory<br>No = One or more of the CAS listed ingredients are not on the inventory. These ingredients may be exempt or will require registration. |

SECTION 16 Other information

|               |            |
|---------------|------------|
| Revision Date | 17/03/2023 |
| Initial Date  | 20/12/2017 |

SDS Version Summary

| Version | Date of | Sections Updated |
|---------|---------|------------------|
|---------|---------|------------------|

|     | Update     |   |
|-----|------------|---|
| 4.1 | 23/12/2022 | Classification review due to GHS Revision change.   |
| 5.1 | 17/03/2023 | Hazards identification - Classification, Identification of the substance / mixture and of the company / undertaking - Supplier Information, Identification of the substance / mixture and of the company / undertaking - Synonyms, Name |

#### Other information

Classification of the preparation and its individual components has drawn on official and authoritative sources as well as independent review by the Chemwatch Classification committee using available literature references.

The SDS is a Hazard Communication tool and should be used to assist in the Risk Assessment. Many factors determine whether the reported Hazards are Risks in the workplace or other settings. Risks may be determined by reference to Exposures Scenarios. Scale of use, frequency of use and current or available engineering controls must be considered.

#### Definitions and abbreviations

PC - TWA: Permissible Concentration-Time Weighted Average  
PC - STEL: Permissible Concentration-Short Term Exposure Limit  
IARC: International Agency for Research on Cancer  
ACGIH: American Conference of Governmental Industrial Hygienists  
STEL: Short Term Exposure Limit  
TEEL: Temporary Emergency Exposure Limit  
IDLH: Immediately Dangerous to Life or Health Concentrations  
ES: Exposure Standard  
OSF: Odour Safety Factor  
NOAEL :No Observed Adverse Effect Level  
LOAEL: Lowest Observed Adverse Effect Level  
TLV: Threshold Limit Value  
LOD: Limit Of Detection  
OTV: Odour Threshold Value  
BCF: BioConcentration Factors  
BEI: Biological Exposure Index  
AIIIC: Australian Inventory of Industrial Chemicals  
DSL: Domestic Substances List  
NDSL: Non-Domestic Substances List  
IECSC: Inventory of Existing Chemical Substance in China  
EINECS: European INventory of Existing Commercial chemical Substances  
ELINCS: European List of Notified Chemical Substances  
NLP: No-Longer Polymers  
ENCS: Existing and New Chemical Substances Inventory  
KECI: Korea Existing Chemicals Inventory  
NZIoC: New Zealand Inventory of Chemicals  
PICCS: Philippine Inventory of Chemicals and Chemical Substances  
TSCA: Toxic Substances Control Act  
TCSI: Taiwan Chemical Substance Inventory  
INSQ: Inventario Nacional de Sustancias Químicas  
NCI: National Chemical Inventory  
FBEPH: Russian Register of Potentially Hazardous Chemical and Biological Substances

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