



# MATERIAL SAFETY DATA SHEET

## Glow-in-the-Dark

### 1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY/UNDERTAKING

PRODUCT NAME Glow-in-the-Dark  
PRODUCT NO. A4370  
APPLICATION Speciality Paint  
SUPPLIER Master Distributors Pty Ltd  
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### 2 COMPOSITION/INFORMATION ON INGREDIENTS

| Name  | EC No.    | CAS-No.    | Content | Classification                                       |
|---|-----------|------------|---------|--|
| ACETONE   | 200-662-2 | 67-64-1    | 10-30%  | F;R11 Xi;R36 R66 R67                                 |
| BUTANE  | 203-448-7 | 106-97-8   | 10-30%  | F+;R12   |
| ETHYLBENZENE                                    | 202-849-4 | 100-41-4   | < 1%    | F;R11 Xn;R20   |
| HEXANE-norm                                     | 203-777-6 | 110-54-3   | 1-5%    | F;R11 Repr3;R62 Xn;R65,R48/20<br>Xi;R38 R67 N;R51/53 |
| ISOBUTANE                                       | 200-857-2 | 75-28-5    | < 1%    | F+;R12   |
| NAPHTHA (PETROLEUM),<br>HYDROTREATED LIGHT      | 265-151-9 | 64742-49-0 | 10-30%  | Xn;R65. Xi;R38. F;R11. N;R51/53.<br>R67.             |
| NAPHTHA; LOW BOILING POINT<br>NAPHTHA           | 232-443-2 | 8030-30-6  | 5-10%   | Xn;R65.  |
| SOLVENT NAPHTHA (PETROLEUM),<br>LIGHT ALIPHATIC | 265-192-2 | 64742-89-8 | 10-30%  | Xn;R65. Xi;R38. F;R11. N;R51/53.<br>R67.             |
| XYLENE  | 215-535-7 | 1330-20-7  | < 1%    | R10 Xn;R20/21 Xi;R38                                 |

The Full Text for all R-Phrases are Displayed in Section 16

### 3 HAZARDS IDENTIFICATION

Extremely flammable. Vapours may cause drowsiness and dizziness. Irritating to skin. Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

CLASSIFICATION Xi;R38. F+;R12. N;R51/53. R67.

#### ENVIRONMENT

The product contains a substance which is toxic to aquatic organisms and which may cause long term adverse effects in the aquatic environment.

#### PHYSICAL AND CHEMICAL HAZARDS

Pressurised container: Must not be exposed for temperatures above 50°C. The product is extremely flammable, and explosive vapour/air mixtures may be formed even at normal room temperatures.

#### HUMAN HEALTH

In high concentrations, vapours and spray mists are narcotic and may cause headache, fatigue, dizziness and nausea.

# Glow-in-the-Dark

## 4 FIRST-AID MEASURES

### GENERAL INFORMATION

Move the exposed person to fresh air at once.

### INHALATION

Move the exposed person to fresh air at once. Perform artificial respiration if breathing has stopped. Keep the affected person warm and at rest. Get prompt medical attention.

### INGESTION

Immediately rinse mouth and provide fresh air. Do not induce vomiting. Get medical attention if any discomfort continues.

### SKIN CONTACT

Wash skin with soap and water. Get medical attention if any discomfort continues.

### EYE CONTACT

Immediately rinse with water. Continue to rinse for at least 15 minutes. Make sure to remove any contact lenses from the eyes before rinsing. Get medical attention promptly if symptoms occur after washing.

## 5 FIRE-FIGHTING MEASURES

### EXTINGUISHING MEDIA

Water spray, foam, dry powder or carbon dioxide.

### SPECIAL FIRE FIGHTING PROCEDURES

Use water spray to reduce vapours. Aerosol cans may explode in a fire. Cool aerosol containers exposed to heat with water spray and remove container, if no risk is involved.

### UNUSUAL FIRE & EXPLOSION HAZARDS

Extremely flammable. Forms explosive mixtures with air. May explode in a fire. Vapours are heavier than air and may spread near ground to sources of ignition.

### SPECIFIC HAZARDS

Pressurised container: Must not be exposed for temperatures above 50°C.

## 6 ACCIDENTAL RELEASE MEASURES

### PERSONAL PRECAUTIONS

Ensure suitable personal protection (including respiratory protection) during removal of spillages in a confined area.

### ENVIRONMENTAL PRECAUTIONS

Avoid discharge into drains.

### SPILL CLEAN UP METHODS

Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Ventilate. Absorb in vermiculite, dry sand or earth and place into containers. Provide ventilation and confine spill. Do not allow runoff to sewer.

## 7 HANDLING AND STORAGE

### USAGE PRECAUTIONS

Keep away from heat, sparks and open flame. Read and follow manufacturer's recommendations. Avoid inhalation of vapours and spray mists. Do not spray on a naked flame or any incandescent material. When sprayed on a naked flame or any incandescent material the aerosol vapours can be ignited.

### STORAGE PRECAUTIONS

Extremely flammable. Store at moderate temperatures in dry, well ventilated area. Keep away from heat, sparks and open flame. Pressurised container: protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use.

## 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

# Glow-in-the-Dark

| Name  | Std | LT - ppm    | LT - mg/m3    | ST - ppm    | ST - mg/m3    |
|---|-----|-------------|---------------|-------------|---------------|
| ACETONE   | WEL | 500 ppm     | 1210 mg/m3    | 1500 ppm    | 3620 mg/m3    |
| BUTANE  | WEL | 600 ppm     | 1450 mg/m3    | 750 ppm     | 1810 mg/m3    |
| ETHYLBENZENE                                    | WEL | 100 ppm(Sk) | 441 mg/m3(Sk) | 125 ppm(Sk) | 552 mg/m3(Sk) |
| HEXANE-norm                                     | WEL | 20 ppm      | 72 mg/m3      |             |               |
| ISOBUTANE                                       | WEL | 800 ppm     | 1930 mg/m3    | No std.     |               |
| NAPHTHA (PETROLEUM),<br>HYDROTREATED LIGHT      | SUP |             | 600 mg/m3     |             |               |
| NAPHTHA; LOW BOILING POINT<br>NAPHTHA           | SUP |             | 600 mg/m3     |             |               |
| SOLVENT NAPHTHA (PETROLEUM),<br>LIGHT ALIPHATIC | SUP |             | 600 mg/m3     |             |               |
| XYLENE  | WEL | 50 ppm(Sk)  | 220 mg/m3(Sk) | 100 ppm(Sk) | 441 mg/m3(Sk) |

## RESPIRATORY EQUIPMENT

No specific recommendation made, but respiratory protection must be used if the general level exceeds the Recommended Workplace Exposure Limit. In case of inadequate ventilation use suitable respirator.

## HAND PROTECTION

Due to the nature of the application, aerosol, skin contact is unlikely. However if skin contact is possible use suitable protective gloves.

## EYE PROTECTION

Wear approved chemical safety goggles where eye exposure is reasonably probable.

## HYGIENE MEASURES

When using do not eat, drink or smoke. Wash promptly if skin becomes wet or contaminated.

## 9 PHYSICAL AND CHEMICAL PROPERTIES

|                                  |  |                                   |         |
|----------------------------------|--|-----------------------------------|---------|
| APPEARANCE                       | Aerosol  |                                   |         |
| COLOUR                           | Varying  |                                   |         |
| ODOUR                            | of solvents  |                                   |         |
| PHYSICAL DATA                    | Information given concerns the major ingredient. 23 Flammable gas. |                                   |         |
| COMMENTS                         |  |                                   |         |
| FLASH POINT (°C)                 | <-40°C   | AUTO IGNITION<br>TEMPERATURE (°C) | 410-580 |
| FLAMMABILITY LIMIT -<br>LOWER(%) | 1.8%   | FLAMMABILITY LIMIT -<br>UPPER(%)  | 9.5%    |

## 10 STABILITY AND REACTIVITY

### STABILITY

Highly volatile.

### CONDITIONS TO AVOID

Avoid heat, flames and other sources of ignition. Avoid exposure to high temperatures or direct sunlight.

## 11 TOXICOLOGICAL INFORMATION

### SKIN CONTACT

Irritating to skin. Prolonged and frequent contact may cause redness and irritation.

### EYE CONTACT

Spray and vapour in the eyes may cause irritation and smarting.

### HEALTH WARNINGS

In high concentrations, vapours are narcotic and may cause headache, fatigue, dizziness and nausea. Arrhythmia, (deviation from normal heart beat).

# Glow-in-the-Dark

## ROUTE OF ENTRY

Inhalation. Skin absorption.

## TARGET ORGANS

Central nervous system. Respiratory system, lungs.

## MEDICAL SYMPTOMS

Narcotic effect. Vapours may cause drowsiness and dizziness.

## 12 ECOLOGICAL INFORMATION

### ECOTOXICITY

The product contains substances which are toxic to aquatic organisms and which may cause long term adverse effects in the aquatic environment. Dangerous for the environment if discharged into watercourses. Do not allow to enter drains, sewers or watercourses.

## 13 DISPOSAL CONSIDERATIONS

### DISPOSAL METHODS

Make sure containers are empty before discarding (explosion risk). Do not puncture or incinerate even when empty. Dispose of waste and residues in accordance with local authority requirements.

## 14 TRANSPORT INFORMATION



|                      |           |                  |                |
|----------------------|-----------|------------------|----------------|
| PROPER SHIPPING NAME | AEROSOLS  |                  |                |
| UN NO. ROAD          | 1950      | UK ROAD PACK GR. | #              |
| ADR CLASS NO.        | 2, 5F     | ADR CLASS        | Class 2: Gases |
| ADR PACK GROUP       | #         | ADR LABEL NO.    | 2.1            |
| CEFIC TEC(R) NO.     | 20G5F     | RID CLASS NO.    | 2, 5F          |
| RID PACK GROUP       | #         | UN NO. SEA       | 1950           |
| IMDG CLASS           | 2         | IMDG PAGE NO.    | 2102           |
| IMDG PACK GR.        | #         | EMS              | F-D, S-U       |
| MFAG                 | See Guide | MARINE POLLUTANT | No.            |
| UN NO. AIR           | 1950      | AIR CLASS        | 2              |
| AIR SUB CLASS        | 2.1       | AIR PACK GR.     | #              |

## 15 REGULATORY INFORMATION

### LABELLING



Irritant



Extremely Flammable



Dangerous for the environment

### RISK PHRASES

R12 Extremely flammable.

R38 Irritating to skin.

# Glow-in-the-Dark

|        |   |
|--------|---|
| R51/53 | Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.   |
| R67    | Vapours may cause drowsiness and dizziness.   |
| A1     | Pressurised container: protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use. |
| A2     | Do not spray on a naked flame or any incandescent material.   |
| S2     | Keep out of the reach of children   |
| S16    | Keep away from sources of ignition - No smoking.  |
| S23    | Do not breathe vapour/spray.  |
| S24    | Avoid contact with skin.  |
| S29    | Do not empty into drains.   |
| S51    | Use only in well-ventilated areas.  |

## SAFETY PHRASES

### Poisons Schedule (Aust): S5

All the constituents of this material are listed on the Australian Inventory of Chemical Substances (AICS).

## 16 OTHER INFORMATION

**Issue Date:** 22nd June 2009

### RISK PHRASES IN FULL

|        |   |
|--------|---|
| R10    | Flammable.  |
| R11    | Highly flammable.   |
| R12    | Extremely flammable.  |
| R20    | Harmful by inhalation.  |
| R20/21 | Harmful by inhalation and in contact with skin.   |
| R36    | Irritating to eyes.   |
| R38    | Irritating to skin.   |
| R48/20 | Harmful: danger of serious damage to health by prolonged exposure through inhalation.       |
| R51/53 | Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. |
| R62    | Possible risk of impaired fertility.  |
| R65    | Harmful: may cause lung damage if swallowed.  |
| R66    | Repeated exposure may cause skin dryness or cracking.                                       |
| R67    | Vapours may cause drowsiness and dizziness.   |

### DISCLAIMER

Material Safety Data Sheets are updated frequently. Please ensure that you have a current copy. This MSDS summarises at the date of issue our best knowledge of the health and safety hazard information of the product, and in particular how to safely handle and use the product in the workplace. Since Master Distributors Pty Ltd cannot anticipate or control the conditions under which the product may be used, each user must, prior to usage, review this MSDS in the context of how the user intends to handle and use the product in the workplace.

If clarification or further information is needed to ensure that an appropriate assessment can be made, the user should contact this company.

Our responsibility for the product as sold, is subject to our standard terms and conditions, a copy of which is sent to our customers and is also available upon request.