SAFETY DATA SHEET
R-224 GALV SPRAY

1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY/UNDERTAKING

PRODUCT NAME
R-224 GALV SPRAY

SUPPLIER
Tygris

2 COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Name</th>
<th>EC No.</th>
<th>CAS-No.</th>
<th>Content</th>
<th>Classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>1-METHOXY-2-PROPANOL</td>
<td>203-539-1</td>
<td>107-98-2</td>
<td>1-5%</td>
<td>R10</td>
</tr>
<tr>
<td>ACETONE</td>
<td>200-562-2</td>
<td>67-64-1</td>
<td>10-30%</td>
<td>F,R11 Xn,R36 R56 R67</td>
</tr>
<tr>
<td>AROMATIC SOLVENT</td>
<td>200-562-2</td>
<td>67-64-1</td>
<td>1-5%</td>
<td>Xn;R20,R65; Xn;R36/37/38; N;R51/53; R10.</td>
</tr>
<tr>
<td>BUTANE</td>
<td>203-448-7</td>
<td>106-97-8</td>
<td>10-30%</td>
<td>F,R12</td>
</tr>
<tr>
<td>BUTYL ACETATE -norm</td>
<td>204-668-1</td>
<td>123-86-4</td>
<td>10-30%</td>
<td>R10 R56 R67</td>
</tr>
<tr>
<td>ETHYLBENZENE</td>
<td>202-849-4</td>
<td>100-41-4</td>
<td>&lt; 1%</td>
<td>F,R11 Xn,R20</td>
</tr>
<tr>
<td>ISOBUTANE</td>
<td>200-857-2</td>
<td>75-28-5</td>
<td>5-10%</td>
<td>F,R12</td>
</tr>
<tr>
<td>PROPANE</td>
<td>200-827-9</td>
<td>74-98-8</td>
<td>10-30%</td>
<td>F,R12</td>
</tr>
<tr>
<td>XYLENE</td>
<td>215-535-7</td>
<td>1330-20-7</td>
<td>10-30%</td>
<td>R10 Xn;R20/21; Xn;R38</td>
</tr>
<tr>
<td>ZINC DUST</td>
<td>231-175-3</td>
<td>7440-86-6</td>
<td>5-10%</td>
<td>N,R50/63</td>
</tr>
</tbody>
</table>

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

3 HAZARDS IDENTIFICATION

Extremely flammable. Repeated exposure may cause skin dryness or cracking. Vapours may cause drowsiness and dizziness. Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

CLASSIFICATION

4 FIRST-AID MEASURES

GENERAL INFORMATION
Move the exposed person to fresh air at once. Get medical attention if any discomfort continues.

INHALATION
Move the exposed person to fresh air at once. When breathing is difficult, properly trained personnel may assist affected person by administering oxygen. Keep the affected person warm and at rest. Get prompt medical attention.

INGESTION
DO NOT INDUCE VOMITING! Rinse mouth thoroughly with water and give large amounts of milk or water to people not unconscious. Get medical attention if any discomfort continues.

SKIN CONTACT
Wash the skin immediately with soap and water. Get medical attention if any discomfort continues.

EYE CONTACT
Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.

5 FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA
Use: Powder. Dry chemicals, sand, dolomite etc. Water spray, fog or mist.

SPECIAL FIRE FIGHTING PROCEDURES
Containers close to fire should be removed or cooled with water. Use water to keep fire exposed containers cool and disperse vapours.

UNUSUAL FIRE & EXPLOSION HAZARDS
Aerosol cans may explode in a fire.
6 ACCIDENTAL RELEASE MEASURES

SPILL CLEAN UP METHODS

7 HANDLING AND STORAGE

USAGE PRECAUTIONS
Keep away from heat, sparks and open flame. Avoid spilling, skin and eye contact. Ventilate well, avoid breathing vapours. Use approved respirator if air contamination is above accepted level.

STORAGE PRECAUTIONS
Aerosol cans: Must not be exposed to direct sunlight or temperatures above 50°C.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

<table>
<thead>
<tr>
<th>Name</th>
<th>Std</th>
<th>LT - ppm</th>
<th>LT - mg/m³</th>
<th>ST - ppm</th>
<th>ST - mg/m³</th>
</tr>
</thead>
<tbody>
<tr>
<td>PROPANE</td>
<td>WEL</td>
<td>600 ppm</td>
<td>1450 mg/m³</td>
<td>750 ppm</td>
<td>1810 mg/m³</td>
</tr>
<tr>
<td>BUTANE</td>
<td>WEL</td>
<td>600 ppm</td>
<td>1450 mg/m³</td>
<td>750 ppm</td>
<td>1810 mg/m³</td>
</tr>
<tr>
<td>XYLENE</td>
<td>WEL</td>
<td>50 ppm(Sk)</td>
<td>220 mg/m³(Sk)</td>
<td>100 ppm(Sk)</td>
<td>441 mg/m³(Sk)</td>
</tr>
<tr>
<td>ETHYLBENZENE</td>
<td>WEL</td>
<td>100 ppm(Sk)</td>
<td>441 mg/m³(Sk)</td>
<td>125 ppm(Sk)</td>
<td>552 mg/m³(Sk)</td>
</tr>
<tr>
<td>1-METHOXY-2-PROPANOL</td>
<td>WEL</td>
<td>100 ppm(Sk)</td>
<td>375 mg/m³(Sk)</td>
<td>150 ppm(Sk)</td>
<td>560 mg/m³(Sk)</td>
</tr>
<tr>
<td>ACETONE</td>
<td>WEL</td>
<td>500 ppm</td>
<td>1210 mg/m³</td>
<td>1500 ppm</td>
<td>3620 mg/m³</td>
</tr>
<tr>
<td>BUTYL ACETATE - norm</td>
<td>WEL</td>
<td>150 ppm</td>
<td>724 mg/m³</td>
<td>200 ppm</td>
<td>966 mg/m³</td>
</tr>
<tr>
<td>ISOBUTANE</td>
<td>WEL</td>
<td>800 ppm</td>
<td>800 ppm</td>
<td>800 ppm</td>
<td></td>
</tr>
</tbody>
</table>

INGREDIENT COMMENTS
WEL = Workplace Exposure Limits

PROTECTIVE EQUIPMENT

ENGINEERING MEASURES
Provide adequate general and local exhaust ventilation.

RESPIRATORY EQUIPMENT
No specific recommendation made, but respiratory protection must be used if the general level exceeds the Recommended Workplace Exposure Limit. Use chemical cartridge protection with appropriate cartridge.

HAND PROTECTION
Use protective gloves.

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

OTHER PROTECTION
Wear appropriate clothing to prevent any possibility of liquid contact and repeated or prolonged vapour contact.

HYGIENE MEASURES
DO NOT SMOKE IN WORK AREA! Wash at the end of each work shift and before eating, smoking and using the toilet. Promptly remove any clothing that becomes contaminated. When using do not eat, drink or smoke.

9 PHYSICAL AND CHEMICAL PROPERTIES

<table>
<thead>
<tr>
<th>PROPERTY</th>
<th>VALUE</th>
</tr>
</thead>
<tbody>
<tr>
<td>APPEARANCE</td>
<td>Aerosol</td>
</tr>
<tr>
<td>COLOUR</td>
<td>Grey</td>
</tr>
<tr>
<td>ODOUR</td>
<td>Characteristic</td>
</tr>
<tr>
<td>SOLUBILITY</td>
<td>Insoluble in water</td>
</tr>
<tr>
<td>FLAMMABILITY LIMIT - LOWER(%)</td>
<td>0.8</td>
</tr>
<tr>
<td>FLAMMABILITY LIMIT - UPPER(%)</td>
<td>9.0</td>
</tr>
</tbody>
</table>
STABILITY
Stable under normal temperature conditions.

CONDITIONS TO AVOID

HAZARDOUS DECOMPOSITION PRODUCTS

TOXICOLOGICAL INFORMATION

INHALATION
May cause irritation to the respiratory system. Vapours may cause headache, fatigue, dizziness and nausea. Prolonged inhalation of high concentrations may damage respiratory system.

INGESTION
May cause discomfort if swallowed. May cause stomach pain or vomiting. Gastrointestinal symptoms, including upset stomach.

SKIN CONTACT
Prolonged or repeated exposure may cause severe irritation. Acts as a defatting agent on skin. May cause cracking of skin, and eczema.

EYE CONTACT
Irritating to eyes. May cause chemical eye burns.

ROUTE OF ENTRY
Inhalation. Skin and/or eye contact.

ECOLOGICAL INFORMATION

ECOTOXICITY
Dangerous for the environment if discharged into watercourses.

DISPOSAL CONSIDERATIONS

DISPOSAL METHODS
Empty containers must not be burned because of explosion hazard. Dispose of waste and residues in accordance with local authority requirements.

TRANSPORT INFORMATION

UK ROAD CLASS  2
PROPER SHIPPING NAME  AEROSOLS
UN NO. ROAD  1950  UK ROAD PACK GR.  Not Applicable
ADR CLASS NO.  2  ADR CLASS  Class 2: Gases
ADR PACK GROUP  Not Applicable  ADR LABEL NO.  2.1
RID CLASS NO.  2  RID PACK GROUP  Not Applicable
UN NO. SEA  1950  IMDG CLASS  2
IMDG PACK GR.  Not Applicable  EMS  F-D, S-U
MFAG  See Guide  MARINE POLLUTANT  No.
UN NO. AIR  1950  AIR CLASS  2.1
AIR PACK GR.  Not Applicable

REGULATORY INFORMATION

LABELLING
R-224 GALV SPRAY 104877

RISK PHRASES
R12 Extremely flammable.
R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R65 Repeated exposure may cause skin dryness or cracking.
R67 Vapours may cause drowsiness and dizziness.

SAFETY PHRASES
S16 Keep away from sources of ignition - No smoking.
S37 Wear suitable gloves.
S51 Use only in well-ventilated areas.
S60 This material and its container must be disposed of as hazardous waste.
S2 Keep out of the reach of children
S23 Do not breathe vapour/spray.

UK REGULATORY REFERENCES
The Control of Substances Hazardous to Health Regulations 2002.

STATUTORY INSTRUMENTS
Control of Substances Hazardous to Health.
Chemicals (Hazard Information and Packaging) Regulations.

APPROVED CODE OF PRACTICE
Classification and Labelling of Substances and Preparations Dangerous for Supply.

GUIDANCE NOTES
Workplace Exposure Limits EH40.
Introduction to Local Exhaust Ventilation HS(G)37.
CHIP for everyone HSG(108).

16 OTHER INFORMATION

REVISION DATE 11/09/2006
REV. NO./REPL. SDS GENERATED 4

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.
R36/37/38 Irritating to eyes, respiratory system and skin.
R38 Irritating to skin.
R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
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
This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company’s knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user’s responsibility to satisfy himself as to the suitability of such information for his own particular use.