1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

1.1 Product identifier
Product name: 910X464 CURING SOLUTION
Synonym(s): 910X464 CURING SOLUTION • 910X464 CURE SOLUTION • 910X464 CURING SOLUTION - PRODUCT CODE • 910X464 SUPER KOROPON ACTIVATOR (FORMERLY)

1.2 Uses and uses advised against
Use(s): AIRCRAFT PAINT • EPOXY COATING • TWO COMPONENT EPOXY COATING

1.3 Details of the supplier of the safety data sheet
Supplier name: PPG INDUSTRIES AUSTRALIA PTY. LTD. (ASC - AUSTRALIA)
Address: 23 Ovata Drive, Tullamarine, VIC, Australia, 3043
Telephone: (03) 9335 1557
Fax: (03) 9335 3490
Email: contact.aust@ppg.com
Website: http://www.ppg.com/coatings/aerospace/

1.4 Emergency telephone number(s)
Emergency: 1800 807 001

2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture
CLASSIFIED AS HAZARDOUS ACCORDING TO SAFE WORK AUSTRALIA CRITERIA
GHS Classification(s): Flammable Liquids: Category 2
Skin Corrosion/Irritation: Category 2
Skin Sensitisation: Category 1
Serious Eye Damage / Eye Irritation: Category 2A
Specific Target Organ Systemic Toxicity (Single Exposure): Category 3
Toxic to Reproduction: Category 2
Specific Target Organ Systemic Toxicity (Repeated Exposure): Category 2

2.2 Label elements
Signal word: DANGER
Pictograms:

Hazard statement(s):
H225: Highly flammable liquid and vapour.
H315: Causes skin irritation.
H317: May cause an allergic skin reaction.
H319: Causes serious eye irritation.
H336: May cause drowsiness or dizziness.
H361: Suspected of damaging fertility or the unborn child.
H373: May cause damage to organs through prolonged or repeated exposure.

Prevention statement(s):
P201: Obtain special instructions before use.
P202: Do not handle until all safety precautions have been read and understood.
P210: Keep away from heat/sparks/open flames/hot surfaces. No smoking.
P233: Keep container tightly closed.
P240: Ground/bond container and receiving equipment.
Product name: 910X464 CURING SOLUTION

P21 Use explosion-proof electrical/ventilating/lighting equipment.
P243 Take precautionary measures against static discharge.
P260 Do not breathe dust/fume/gas/mist/vapours/spray.
P264 Wash thoroughly after handling.
P271 Use only outdoors or in a well-ventilated area.
P272 Contaminated work clothing should not be allowed out of the workplace.
P280 Wear protective gloves/protective clothing/eye protection/face protection.

Response statement(s)
P303 + P361 + P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
P304 + P340 IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing.
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P308 + P313 IF exposed or concerned: Get medical advice/attention.
P321 Specific treatment is advised - see first aid instructions.
P362 Take off contaminated clothing and wash before re-use.
P370 + P378 In case of fire: Use appropriate media for extinction.

Storage statement(s)
P405 Store locked up.

Disposal statement(s)
P501 Dispose of contents/container in accordance with relevant regulations.

2.3 Other Hazards
No information provided.

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances/Mixtures

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>CAS number</th>
<th>EC number</th>
<th>Content</th>
</tr>
</thead>
<tbody>
<tr>
<td>METHYL ETHYL KETONE (MEK)</td>
<td>78-93-3</td>
<td>201-159-0</td>
<td>30 - 60%</td>
</tr>
<tr>
<td>ISOPROPYL ALCOHOL</td>
<td>67-63-0</td>
<td>200-661-7</td>
<td>10 - &lt;30%</td>
</tr>
<tr>
<td>TOLUENE</td>
<td>108-88-3</td>
<td>203-625-9</td>
<td>10 - &lt;30%</td>
</tr>
<tr>
<td>XYLENE</td>
<td>1330-20-7</td>
<td>215-535-7</td>
<td>10 - &lt;30%</td>
</tr>
<tr>
<td>ETHYLBENZENE</td>
<td>100-41-4</td>
<td>202-849-4</td>
<td>1 - &lt;10%</td>
</tr>
<tr>
<td>N-(3-(TRIMETHOXYSILYL)PROPYL)ETHYLENEDIAMINE</td>
<td>1760-24-3</td>
<td>217-164-6</td>
<td>1 - &lt;10%</td>
</tr>
</tbody>
</table>

4. FIRST AID MEASURES

4.1 Description of first aid measures

Eye If in eyes, hold eyelids apart and flush continuously with running water. Continue flushing until advised to stop by a Poisons Information Centre, a doctor, or for at least 15 minutes.

Inhalation If inhaled, remove from contaminated area. To protect rescuer, use a Type A (Organic vapour) respirator or an Air-line respirator (in poorly ventilated areas). Apply artificial respiration if not breathing.

Skin If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water. Continue flushing with water until advised to stop by a Poisons Information Centre or a doctor.

Ingestion For advice, contact a Poison Information Centre on 13 11 26 (Australia Wide) or a doctor (at once). If swallowed, do not induce vomiting.

First aid facilities Eye wash facilities and safety shower should be available.

4.2 Most important symptoms and effects, both acute and delayed

No information provided.

4.3 Immediate medical attention and special treatment needed

Treat symptomatically.
5. FIREFIGHTING MEASURES

5.1 Extinguishing media
Dry agent, carbon dioxide or foam. Prevent contamination of drains and waterways.

5.2 Special hazards arising from the substance or mixture
Highly flammable. May evolve toxic gases (carbon oxides, hydrocarbons) when heated to decomposition. Vapour may form explosive mixtures with air. Eliminate all ignition sources including cigarettes, open flames, spark producing switches/tools, heaters, naked lights, pilot lights, mobile phones, etc when handling. Earth containers when dispensing fluids. May evolve nitrogen oxides and metal oxides when heated to decomposition.

5.3 Advice for firefighters
Evacuate area and contact emergency services. Toxic gases may be evolved in a fire situation. Remain upwind and notify those downwind of hazard. Wear full protective equipment including Self Contained Breathing Apparatus (SCBA) when combating fire. Use waterfog to cool intact containers and nearby storage areas.

5.4 Hazchem code
- Alcohol Resistant Foam is the preferred firefighting medium. Else use;
- Normal Foam (protein based foam that is not alcohol resistant).
- Risk of violent reaction or explosion. Wear full fire kit and breathing apparatus. Contain spill and run-off.
- Evacuation of people in and around the immediate vicinity of the incident should be considered.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures
Wear Personal Protective Equipment (PPE) as detailed in section 8 of the SDS. Clear area of all unprotected personnel. Ventilate area where possible. Contact emergency services where appropriate.

6.2 Environmental precautions
Prevent product from entering drains and waterways.

6.3 Methods of cleaning up
Contain spillage, then cover / absorb spill with non-combustible absorbent material (vermiculite, sand, or similar), collect and place in suitable containers for disposal. Eliminate all sources of ignition.

6.4 Reference to other sections
See Sections 8 and 13 for exposure controls and disposal.

7. HANDLING AND STORAGE

7.1 Precautions for safe handling
Before use carefully read the product label. Use of safe work practices are recommended to avoid eye or skin contact and inhalation. Observe good personal hygiene, including washing hands before eating. Prohibit eating, drinking and smoking in contaminated areas.

7.2 Conditions for safe storage, including any incompatibilities
Store tightly sealed in a cool, dry, well ventilated area, removed from incompatible substances, heat or ignition sources and foodstuffs. Ensure containers are adequately labelled, protected from physical damage and sealed when not in use. Check regularly for leaks or spills. Large storage areas should be bunded and have appropriate fire protection and ventilation systems. Store below 35°C.

7.3 Specific end use(s)
No information provided.
8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

8.1 Control parameters

Exposure standards

<table>
<thead>
<tr>
<th>Substance</th>
<th>Reference</th>
<th>TWA ppm</th>
<th>TWA mg/m³</th>
<th>STEL ppm</th>
<th>STEL mg/m³</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethyl benzene</td>
<td>SWA (AUS)</td>
<td>100</td>
<td>434</td>
<td>125</td>
<td>543</td>
</tr>
<tr>
<td>Isopropyl alcohol</td>
<td>SWA (AUS)</td>
<td>400</td>
<td>983</td>
<td>500</td>
<td>1230</td>
</tr>
<tr>
<td>Methyl ethyl ketone (MEK)</td>
<td>SWA (AUS)</td>
<td>150</td>
<td>445</td>
<td>300</td>
<td>890</td>
</tr>
<tr>
<td>Toluene</td>
<td>SWA (AUS)</td>
<td>50</td>
<td>191</td>
<td>150</td>
<td>574</td>
</tr>
<tr>
<td>Xylene</td>
<td>SWA (AUS)</td>
<td>80</td>
<td>--</td>
<td>150</td>
<td>--</td>
</tr>
</tbody>
</table>

Biological limits

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>Reference</th>
<th>Determinant</th>
<th>Sampling time</th>
<th>BEI</th>
</tr>
</thead>
<tbody>
<tr>
<td>ETHYL BENZENE</td>
<td>ACGIH BEI</td>
<td>Sum of mandelic acid and phenylglyoxylic acid in urine</td>
<td>End of shift at end of workweek</td>
<td>0.7 g/g creatinine</td>
</tr>
<tr>
<td>ISOPROPYL ALCOHOL</td>
<td>ACGIH BEI</td>
<td>Ethyl benzene in end-exhaled air</td>
<td>Not critical</td>
<td>-</td>
</tr>
<tr>
<td>METHYL ETHYL KETONE (MEK)</td>
<td>ACGIH BEI</td>
<td>MEK in urine</td>
<td>End of shift at end of workweek</td>
<td>2 mg/L</td>
</tr>
<tr>
<td>TOLUENE</td>
<td>ACGIH BEI</td>
<td>o-Cresol in urine</td>
<td>End of shift</td>
<td>0.02 mg/L</td>
</tr>
<tr>
<td></td>
<td>ACGIH BEI</td>
<td>Toluene in urine</td>
<td>End of shift</td>
<td>0.03 mg/L</td>
</tr>
<tr>
<td></td>
<td>ACGIH BEI</td>
<td>Toluene in blood</td>
<td>Prior to last shift of workweek</td>
<td>0.02 mg/L</td>
</tr>
<tr>
<td>XYLENE</td>
<td>ACGIH BEI</td>
<td>Methylhippuric acids in urine</td>
<td>End of shift</td>
<td>1.5 g/g creatinine</td>
</tr>
</tbody>
</table>

8.2 Exposure controls

Engineering Controls

Avoid inhalation. Use in well ventilated areas. Where an inhalation risk exists, mechanical explosion proof extraction ventilation is recommended. Flammable/explosive vapours may accumulate in poorly ventilated areas. Vapours are heavier than air and may travel some distance to an ignition source and flash back. Maintain vapour levels below the recommended exposure standard.

PPE

<table>
<thead>
<tr>
<th>Eye/Face</th>
<th>Wear splash-proof goggles.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hand</td>
<td>Wear PVA or viton (R) gloves.</td>
</tr>
<tr>
<td>Body</td>
<td>Wear coveralls.</td>
</tr>
<tr>
<td>Respiratory</td>
<td>Where an inhalation risk exists, wear a Type A (Organic vapour) respirator. If spraying, wear an Air-line respirator. If sanding dry product, wear a Class P1 (Particulate) respirator.</td>
</tr>
</tbody>
</table>

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>CLEAR LIQUID</td>
</tr>
<tr>
<td>Odour</td>
<td>SLIGHT ODOUR</td>
</tr>
<tr>
<td>Odour Threshold</td>
<td>NOT AVAILABLE</td>
</tr>
<tr>
<td>Flammability</td>
<td>HIGHLY FLAMMABLE</td>
</tr>
</tbody>
</table>
910X464 CURING SOLUTION

Flash Point: -5.56°C (cc)
Boiling Point: 79.44°C to 316.11°C
Melting Point: NOT AVAILABLE
Evaporation Rate: NOT AVAILABLE
pH: NOT AVAILABLE
Specific Gravity: 0.83
Solubility (water): INSOLUBLE
Vapour Density: NOT AVAILABLE
Vapour Pressure: NOT AVAILABLE
Upper Explosion Limit: NOT AVAILABLE
Lower Explosion Limit: NOT AVAILABLE
Partition Coefficient: NOT AVAILABLE
Autoignition Temperature: NOT AVAILABLE
Decomposition Temperature: NOT AVAILABLE
Viscosity: NOT AVAILABLE
Explosive Properties: NOT AVAILABLE
Oxidising Properties: NOT AVAILABLE

9.2 Other information
No information provided.

10. STABILITY AND REACTIVITY

10.1 Reactivity
Carefully review all information in sections 10.2 to 10.6.

10.2 Chemical stability
Stable under recommended conditions of storage.

10.3 Possibility of hazardous reactions
Polymerization is not expected to occur.

10.4 Conditions to avoid
Avoid heat, sparks, open flames and other ignition sources.

10.5 Incompatible materials
Incompatible with oxidising agents (e.g. hypochlorites), acids (e.g. nitric acid), alkalis (e.g. sodium hydroxide), heat and ignition sources.

10.6 Hazardous decomposition products
May evolve carbon oxides and hydrocarbons when heated to decomposition.

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects
Acute toxicity
Based on available data, the classification criteria are not met.

Skin
Irritating to the skin. Contact may result in drying and defatting of the skin, rash and dermatitis.

Eye
Contact may result in irritation, lacrimation, pain and redness.

Mutagenicity
Insufficient data available to classify as a mutagen.

Carcinogenicity
Insufficient data available to classify as a carcinogen.

Reproductive
Suspected of damaging the unborn child.

STOT - single exposure
Over exposure may result in irritation of the nose and throat, coughing, nausea and headache. High level exposure may result in dizziness, drowsiness, breathing difficulties and unconsciousness.

STOT - repeated
May cause damage to organs through prolonged or repeated exposure.
Product name: 910X464 CURING SOLUTION

exposure
Aspiration: Aspiration into the lungs may cause chemical pneumonitis and pulmonary oedema.
Sensitisation: May cause an allergic skin reaction. This product is not classified as a respiratory sensitiser.

12. ECOLOGICAL INFORMATION

12.1 Toxicity
No information provided.

12.2 Persistence and degradability
No information provided.

12.3 Bioaccumulative potential
No information provided.

12.4 Mobility in soil
No information provided.

12.5 Results of PBT and vPvB assessment
No information provided.

12.6 Other adverse effects
Aliphatic hydrocarbons behave differently in the environment depending on their size. WATER: Light aliphatics volatilise rapidly from water (half life - few hours). Bioconcentration should not be significant. SOIL: Light aliphatics biodegrade quickly in soil and water, heavy aliphatics biodegrade very slowly. ATMOSPHERE: Vapour-phase aliphatics will degrade by reaction with hydroxyl radicals.

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods
Waste disposal: For small amounts, absorb with sand, vermiculite or similar and dispose of to an approved landfill site. Contact the manufacturer/supplier for additional information if disposing of large quantities (if required). Prevent contamination of drains and waterways as aquatic life may be threatened and environmental damage may result.

Legislation: Dispose of in accordance with relevant local legislation.

14. TRANSPORT INFORMATION

CLASSIFIED AS A DANGEROUS GOOD BY THE CRITERIA OF THE ADG CODE

<table>
<thead>
<tr>
<th>Land Transport (ADG)</th>
<th>Sea Transport (IMDG/IMO)</th>
<th>Air Transport (IATA/ICAO)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1263</td>
<td>1263</td>
<td>1263</td>
</tr>
</tbody>
</table>

14.1 UN number: 1263
14.2 UN proper shipping name: PAINT or PAINT RELATED MATERIAL
**Product name**  
**910X464 CURING SOLUTION**

### 14.3 Transport hazard classes

<table>
<thead>
<tr>
<th>DG Class</th>
<th>3</th>
<th>3</th>
<th>3</th>
</tr>
</thead>
<tbody>
<tr>
<td>Subsidiary risk(s)</td>
<td>None Allocated</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>

### 14.4 Packing group

| II | II | II |

### 14.5 Environmental hazards

Not a Marine Pollutant

### 14.6 Special precautions for user

- **Hazchem Code**: 3YE
- **EMS**: F-E, S-E

## 15. REGULATORY INFORMATION

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

**Poison schedule**  
Classified as a Schedule 5 Poison using the criteria in the Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP).

**Classifications**  
- **F**: Flammable
- **Repr.**: Reproductive toxin
- **Xi**: Irritant
- **Xn**: Harmful

**Risk phrases**

- **R11**: Highly flammable.
- **R36/38**: Irritating to eyes and skin.
- **R43**: May cause sensitisation by skin contact.
- **R48/20**: Harmful: danger of serious damage to health by prolonged exposure through inhalation.
- **R63**: Possible risk of harm to the unborn child.
- **R67**: Vapours may cause drowsiness and dizziness.

**Safety phrases**

- **S2**: Keep out of reach of children.
- **S9**: Keep container in a well ventilated place.
- **S16**: Keep away from sources of ignition - No smoking.
- **S23**: Do not breathe gas/fumes/vapour/spray (where applicable).
- **S25**: Avoid contact with eyes.
- **S29**: Do not empty into drains.
- **S33**: Take precautionary measures against static discharges.
- **S36/37**: Wear suitable protective clothing and gloves.
- **S53**: Avoid exposure - obtain special instructions before use.

**Inventory listing(s)**  
**AUSTRALIA: AICS (Australian Inventory of Chemical Substances)**

All components are listed on AICS, or are exempt.

### 15.2 Chemical safety assessment

No information provided.

## 16. OTHER INFORMATION

### Additional information

**WORK PRACTICES - SOLVENTS**: Organic solvents may present both a health and flammability hazard. It is recommended that engineering controls should be adopted to reduce exposure where practicable (for example, if using indoors, ensure explosion proof extraction ventilation is available). Flammable or combustible liquids with explosive limits have the potential for ignition from static discharge. Refer to AS 1020 (The control of undesirable static electricity) and AS 1940 (The storage and handling of flammable and combustible liquids) for control procedures.

**RESPIRATORS**: In general the use of respirators should be limited and engineering controls employed to avoid exposure. If respiratory equipment must be worn ensure correct respirator selection and training is...
Product name

910X464 CURING SOLUTION

undertaken. Remember that some respirators may be extremely uncomfortable when used for long periods. The use of air powered or air supplied respirators should be considered where prolonged or repeated use is necessary.

HEALTH EFFECTS FROM EXPOSURE:
It should be noted that the effects from exposure to this product will depend on several factors including: frequency and duration of use; quantity used; effectiveness of control measures; protective equipment used and method of application. Given that it is impractical to prepare a ChemAlert report which would encompass all possible scenarios, it is anticipated that users will assess the risks and apply control methods where appropriate.

PERSONAL PROTECTIVE EQUIPMENT GUIDELINES:
The recommendation for protective equipment contained within this report is provided as a guide only. Factors such as method of application, working environment, quantity used, product concentration and the availability of engineering controls should be considered before final selection of personal protective equipment is made.

Abbreviations

ACGIH American Conference of Governmental Industrial Hygienists
CAS # Chemical Abstract Service number - used to uniquely identify chemical compounds
CNS Central Nervous System
EC No. EC No - European Community Number
EMS Emergency Schedules (Emergency Procedures for Ships Carrying Dangerous Goods)
GHS Globally Harmonized System
GTEPG Group Text Emergency Procedure Guide
IARC International Agency for Research on Cancer
LC50 Lethal Concentration, 50% / Median Lethal Concentration
LD50 Lethal Dose, 50% / Median Lethal Dose
mg/m³ Milligrams per Cubic Metre
OEL Occupational Exposure Limit
pH relates to hydrogen ion concentration using a scale of 0 (high acidic) to 14 (highly alkaline).
ppm Parts Per Million
STEL Short-Term Exposure Limit
STOT-RE Specific target organ toxicity (repeated exposure)
STOT-SE Specific target organ toxicity (single exposure)
SUSMP Standard for the Uniform Scheduling of Medicines and Poisons
SWA Safe Work Australia
TLV Threshold Limit Value
TWA Time Weighted Average

Report Status

This ChemAlert report has been independently compiled by RMT's scientific department utilising the original Safety Data Sheet ('SDS') for the product provided to RMT by the manufacturer. The information is based on the latest chemical and toxicological research and is believed to represent the current state of knowledge as to the appropriate safety and handling precautions for the product at the time of issue. It is an independent collation by RMT of information obtained from the original SDS for this product. Its content has not been authorised or verified by the manufacturer / distributor of the chemical to which it relates.

This ChemAlert report does not constitute the manufacturer's original SDS and is not intended to be a replacement for same. It is provided to subscribers of ChemAlert as a reference tool only, is not all-inclusive and does not represent any guarantee as to the properties of the product. Further clarification regarding any aspect of the product should be obtained directly from the manufacturer.

While RMT has taken all due care to include accurate and up-to-date information in this ChemAlert report, it does not provide any warranty as to accuracy or completeness. As far as lawfully possible, RMT accepts no liability for any loss, injury or damage (including consequential loss) which may be suffered or incurred by any person as a consequence of their reliance on the information contained in this ChemAlert report.
910X464 CURING SOLUTION

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Based on SDS dated: 30 Jan 2016

End of Report