

MAGNA 940

Magna 940 is a totally new type of Instant Repair Compound that provides every workshop with the means to make speedy and sound repairs on surfaces and parts made of steel, copper, aluminium, cast iron, stainless, galvanized, brass and chrome.

Magna 940 features many advantages over conventional weld repair methods, especially where heat input using gas rod or electrode would require extensive dismantling, heat screening, re-assembly or even difficult access - such as in on-site work, or at height or using scaffolds.

No special tools or training are required to successfully apply Magna 940 and, where required, Magna 940 can be machined, drilled, filed or tapped after fully curing. Repairs can be completed in as little as 15 minutes and full cure is obtained in about 1 hour.

Magna 940 is an advanced rosin compound with special fillers engineered into it, including bronze powder, to give the product these special features:

- Will not rust or oxidize
- Product is non-magnetic and can be used in and around gauges and other sensitive metering devices or apparatus.
- Magna 940 is chemical resistant and extremely corrosion resistant.
- The product works fast - -and yet can be re-shaped for a full 5 minutes after applying as initial curing takes place in 15 minutes and full cure is attained in 1 hour.
- There is no waste as the operator can use only the exact the amount required without contamination problems with the left over portions of the product.
- Magna 940's handy, carry-anywhere size makes it perfect for virtually any type of on-job repairs- even in remote sites.

PIM 940.1	Version 4.0	Revision 2.0	Rev. Date: 03 Oct, 2022	Reference: CKL
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- This product can be used as a sealant, adhesive, putty or cement and can be used on non-ferrous applications such as, PVC, glass, wood, concrete, ceramic, brick, tile, porcelain and plastic surfaces and parts equally as effectively as when used on metals.

PRECAUTIONS

Magna 940 can be used for a multitude of maintenance and repair applications. It may cause irritation to sensitive skin and surgical gloves are recommended for most situations. Wash hands with soap and water after using product.

In case of eye contact, flush with copious amounts of water and contact physician. May be harmful if swallowed. Magna 940 was engineered for professional or industrial applications and should be kept out of reach of children.

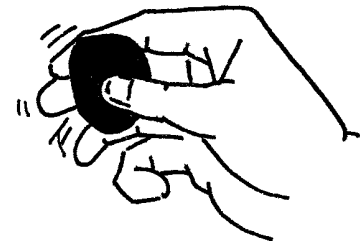
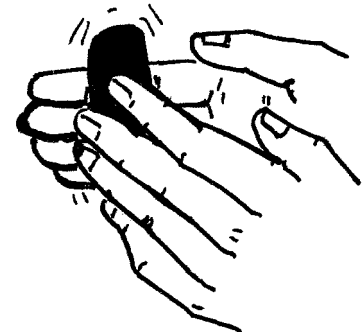
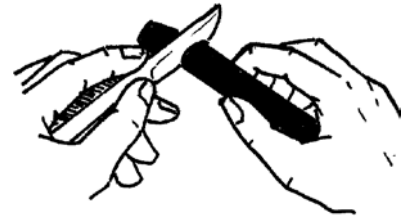
SPECIFICATIONS

- TENSILE STRENGTH: 8,200 p.s.i. (5.77kg/mm²)
- COMPRESSIVE STRENGTH: 19,000 p.s.i. (13.36kg/mm²)
- SHEAR STRENGTH: 950p.s.i. (0.67 kg/mm²)
- SHORE "D" HARDNESS: 90
- OPERATING TEMPERATURE: Up to 392°F (200°C)
- WORKING TIME: 5 minutes (before initial cure)
- CURING TIME: 60 minutes (@20°C, RH50%)
- Shelf life 2 years

APPLICATION:

Applying Magna 940 is simple and foolproof and no tools or special equipment is necessary.

1. Uncap the tube holder.
2. Unwrap Magna 940 from plastic protector and peel off the foil paper at one end.
3. Use a knife or a pair of scissors and cut off a portion of Magna 940 sufficient for the repair you wish to apply it to. Replace foil paper, re-wrap in plastic and return to tube holder.
4. Mix the Magna 940 by kneading the portion thoroughly using your fingers or by rubbing the Magna 940 with your palms on a flat clean surface.
5. The Magna 940 will give off a slight amount of heat when kneading. This a natural and nothing to be alarmed about.
6. Work the Magna 940 into the part(s) to be repaired or sealed. Press the product firmly into the piece to be repaired to ensure it fully covers the area and to enable Magna 940 to work into any recesses present.
7. Re-shape the Magna 940 rapidly to the desired shape (within 2 to 5 minutes of initial mixing).
8. Should a smooth surface finish be desired, hand rub the Magna 940 with some water or use a damp spatula to smooth out any rough edges or ribs. (You must do this within 5 minutes of initial mixing.)
9. Magna 940 attains full cure in 60 minutes and can then be machined, filed, tapped, drilled, etc.



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Product name: Magna 940A
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SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Product name: Magna 940A
UFI: 6PK2-30GN-S00K-VJKJ

1.2. Relevant identified uses of the substance or mixture and uses advised against

Application: Instant Repair Compound

1.3. Details of the supplier of the safety data sheet

<u>Supplier:</u>	GB importer:	<u>Distributed by:</u>	Trust Engineering Company
<u>Manufacturer:</u>	ITW PP & F Korea Limited 13th Fl., Unit B, PAX Tower 609 Eonju-ro, Gangnam-Gu Seoul, Korea 06108 Tel:+82-2-2088-3560 Fax:+82-2-513-3567 magna@magnagroup.com www.magnagroup.com		9 Abdel Hamid El Deeb Street Alexandria, 21613 Egypt T: +(20)3 5822779 T: +(20)10 1223554 5 Ahmed Shaker Street Fourth Zone Nasr City, 11586 Egypt T: +(20)2 26909965 T: +(20)10 1223553 info@trustengineering-eg.com www.trustengineering-eg.com
<u>Further information can be obtained from:</u>	magna@magnagroup.com		

1.4. Emergency telephone number

Emergency telephone: Call a Poison Center, emergency number or doctor/physician.
NHS: 111

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SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

CLP: Skin Irrit. 2;H315
Skin Sens. 1;H317
Eye Irrit. 2;H319
Aquatic Chronic 3;H412

2.2. Label elements



Warning

Contains: Reaction product: bisphenol-A-(epichlorhydrin), epoxy resin (number average molecular weight <= 700)

H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H412	Harmful to aquatic life with long lasting effects.
P280	Wear eye protection and gloves.
P273	Avoid release to the environment.
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P302 + P352	IF ON SKIN: Wash with plenty of soap and water.
P362 + P364	Take off contaminated clothing and wash it before reuse.
P501	Dispose of contents/container in accordance with local regulations.

2.3. Other hazards

PBT/vPvB: This product does not contain any PBT or vPvB substances.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2. Mixtures

All substances in the product are either registered or exempt from registration under REACH. Only classified substances above threshold limits or substances with an exposure limit are shown.

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CLP:

<u>%:</u>	<u>CAS-No.:</u>	<u>EC No.:</u>	<u>REACH Reg. No.:</u>	<u>Chemical name:</u>	<u>Hazard classification:</u>	<u>Notes:</u>
30-60	14807-96-6	238-877-9	01-2120140278-58-0000 -XXXX	Talc (Mg ₃ H ₂ (SiO ₃) ₄)	-	#
5-10	25068-38-6	500-033-5	01-2119456619-26-XXXX	Reaction product: bisphenol-A-(epichlorhydrin), epoxy resin (number average molecular weight <= 700)	Eye Irrit. 2;H319 Skin Irrit. 2;H315 Skin Sens. 1;H317 Aquatic Chronic 2;H411	
1-5	7440-50-8	231-159-6	01-2119480154-42-XXXX	Copper	Aquatic Acute 1;H400 Aquatic Chronic 3;H412	
0.5-1.5	90-72-2	202-013-9	01-2119560597-27-XXXX	2,4,6-Tris-(dimethylaminomethyl)-phenol	Acute Tox. 4;H302 Eye Irrit. 2;H319 Skin Irrit. 2;H315	

<u>Chemical name:</u>	<u>SCL</u>	<u>M (ac)</u>	<u>M (chr)</u>
Talc (Mg ₃ H ₂ (SiO ₃) ₄)		-	-
Reaction product: bisphenol-A-(epichlorhydrin), epoxy resin (number average molecular weight <= 700)	Eye Irrit. 2;H319: C ≥ 5 % Skin Irrit. 2;H315: C ≥ 5 %	-	-
Copper		1	-
2,4,6-Tris-(dimethylaminomethyl)-phenol	-	-	-

Notes: #: The substance has been assigned an exposure limit.

References: The full text for all hazard statements is displayed in section 16.

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SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures

Inhalation: Move into fresh air and keep at rest. In case of persistent throat irritation or coughing: Seek medical attention and bring these instructions.

Skin contact: Rinse skin immediately. Thoroughly rub with liquid soap and wash with lukewarm water. In case of eczema or other skin disorders: Seek medical attention and bring these instructions.

Eye contact: Immediately flush with plenty of water for at least 15 minutes. Remove any contact lenses and open eyelids widely. If irritation persists: Seek medical attention and bring along these instructions.

Ingestion: Rinse mouth with water. Drink 1-2 glasses of water. Contact physician if larger quantity has been consumed.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/effects: See section 11 for more detailed information on health effects and symptoms.

4.3. Indication of any immediate medical attention and special treatment needed

Medical attention/treatments: Treat symptomatically.

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing media

Extinguishing media: Use fire-extinguishing media appropriate for surrounding materials.

5.2. Special hazards arising from the substance or mixture

Specific hazards: During fire, gases hazardous to health may be formed.

5.3. Advice for firefighters

Protective equipment for fire-fighters: Selection of respiratory protection for fire fighting: follow the general fire precautions indicated in the workplace.

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SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions: Avoid contact with skin and eyes. Follow precautions for safe handling described in this safety data sheet.

6.2. Environmental precautions

Environmental precautions: Avoid discharge into drains, water courses or onto the ground.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up: Collect spillage in containers, seal securely and deliver for disposal according to local regulations.

6.4. Reference to other sections

References: For personal protection, see section 8.
For waste disposal, see section 13.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Safe handling advice: Observe good chemical hygiene practices. Good personal hygiene is necessary. Wash hands and contaminated areas with water and soap before leaving the work site. Immediately change contaminated clothes.

Technical measures: Work practice should minimise contact. Technical aids: Use disposable equipment (rags, brushes, spatulas, putty knives, etc.), if possible.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures for safe storage: No special precautions.

Storage conditions: Store in closed original container in a dry place.

7.3. Specific end use(s)

Specific use(s): No information available.

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Occupational exposure limits:

<u>CAS-No.:</u>	<u>Chemical name:</u>	<u>As:</u>	<u>Exposure limits:</u>	<u>Type:</u>	<u>Notes:</u>	<u>References:</u>
14807-96-6	Talc, respirable dust	-	1 mg/m3	TWA	-	EH40
14808-60-7	Silica crystalline, respirable	-	0.1 mg/m3	TWA	Carc	EH40
7440-50-8	Copper, dusts and mists	Cu	1 mg/m3	TWA	-	EH40
		-	2 mg/m3	STEL	15min	
7440-50-8	Copper, fume	-	0.2 mg/m3	TWA	-	EH40

Notes:

Carc: Capable of causing cancer and/or heritable genetic damage.
EH40: EH40/2005.

8.2. Exposure controls

Engineering measures:

Provide adequate ventilation. Observe Occupational Exposure Limits and minimise the risk of inhalation of vapours.

Personal protection:

Personal protection equipment should be chosen according to the CEN standards and in discussion with the supplier of the personal protective equipment.

Respiratory equipment:

Respiratory protection not required.

Hand protection:

Use disposable gloves protecting against epoxy along with cotton gloves closest to the skin. The most suitable glove must be chosen in consultation with the gloves supplier, who can inform about the breakthrough time of the glove material.

Eye protection:

Risk of contact: Wear goggles/face shield.

Skin protection:

Wear special protective clothing.

Hygiene measures:

Remove contaminated clothing and wash the skin thoroughly with soap and water after work. When using do not eat, drink or smoke. Private clothes and working clothes should be kept separately.

Environmental Exposure Controls:

Not available.

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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Physical state: Putty
Colour: bronze
Odour: Sulphur. Mercaptan
Odour threshold: Not available.
pH: >7
Melting point / freezing point: Not available.
Boiling point: Not available.
Flash point: Not available.
Evaporation rate: Not available.
Flammability (solid, gas): Not available.
Explosive limits Not available.
Vapour pressure: Not available.
Vapour density: Not available.
Relative density: 1.96
Solubility: Insoluble in water
Partition coefficient (n-octanol/water): Not available.
Auto-ignition temperature (°C): Not available.
Decomposition temperature (°C): Not available.
Viscosity: Not available.
Explosive properties: Not available.
Oxidising properties: Not available.

9.2. Other information

Other data: Not available.

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SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

Reactivity: None known.

10.2. Chemical stability

Stability: Stable under normal temperature conditions and recommended use.

10.3. Possibility of hazardous reactions

Hazardous Reactions: None known.

10.4. Conditions to avoid

Conditions to avoid None specific.

10.5. Incompatible materials

Incompatible materials: Water, moisture. Avoid contact with acids.

10.6. Hazardous decomposition products

Hazardous decomposition products: None under normal conditions.

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SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Acute Toxicity (Oral): Based on available data, the classification criteria are not met.

Acute Toxicity (Dermal): Based on available data, the classification criteria are not met.

Acute Toxicity (Inhalation): Based on available data, the classification criteria are not met.

Skin Corrosion/Irritation: Causes skin irritation.

Serious eye damage/irritation: Causes serious eye irritation.

Respiratory or skin sensitisation: May cause an allergic skin reaction.

Germ cell mutagenicity: Based on available data, the classification criteria are not met.

Carcinogenicity: Based on available data, the classification criteria are not met.

Reproductive Toxicity: Based on available data, the classification criteria are not met.

STOT - Single exposure: Based on available data, the classification criteria are not met.

STOT - Repeated exposure: Based on available data, the classification criteria are not met.

Aspiration hazard: Based on available data, the classification criteria are not met.

Ingestion: May irritate and cause malaise.

Toxicological data: 2,4,6-Tris-(dimethylaminomethyl)-phenol:
LD50 (oral, rat): 1200 mg/kg

11.2. Information on other hazards

Endocrine disrupting properties: The product does not contain any substance identified as having endocrine disrupting properties.

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SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Ecotoxicity: Harmful to aquatic life with long lasting effects.

Copper:
M-factor (acute): 1

12.2. Persistence and degradability

Degradability: The product solely consists of inorganic compounds which are not biodegradable.

12.3. Bioaccumulative potential

Bioaccumulative potential: No data available on bioaccumulation.

12.4. Mobility in soil

Mobility: No data available.

12.5. Results of PBT and vPvB assessment

PBT/vPvB: This product does not contain any PBT or vPvB substances.

12.6. Endocrine disrupting properties

Endocrine disrupting properties: The product does not contain any substance identified as having endocrine disrupting properties.

12.7. Other adverse effects

Other adverse effects: None known.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Dispose of waste and residues in accordance with local authority requirements.
Waste is classified as hazardous waste.

Waste from residues: EWC-code: 08 04 09

Contaminated packaging: Dispose of contaminated packings as residue.

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SECTION 14: TRANSPORT INFORMATION

The product is not covered by international regulation on the transport of dangerous goods (IMDG, IATA, ADR/AND/RID).

14.1. UN number

UN-No: -

14.2. UN proper shipping name

Proper Shipping Name: -

14.3. Transport hazard class(es)

Class: -

14.4. Packing group

PG: -

14.5. Environmental hazards

Marine pollutant: -

Environmentally Hazardous -

substance:

14.6. Special precautions for user

Special precautions: Not relevant.

14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

Transport in bulk: Not relevant.

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SECTION 15: REGULATORY INFORMATION

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

Special provisions: As a general rule, persons under 18 years of age are not allowed to work with this product. Users must be carefully instructed in the proper work procedure, the dangerous properties of the product and the necessary safety instructions.

National regulation: UK Statutory Instruments, 2021 No. 904, CONSUMER PROTECTION ENVIRONMENTAL PROTECTION HEALTH AND SAFETY. The REACH etc. (Amendment) Regulations 2021.
Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 with amendments.
The Chemicals (Health and Safety) and Genetically Modified Organisms (Contained Use) (Amendment etc.) (EU Exit) Regulations 2019 (SI 2019 No. 720), as amended.
The Control of Substances Hazardous to Health Regulations 2002 (S.I 2002 No. 2677) with amendments.
EH40/2005, Workplace exposure limits 2005, with amendments.
The Management of Health and Safety at Work Regulations 1999 (SI 1999 No. 3242), with amendments.
The List of Wastes (England) (Amendment) Regulations 2005. (SI 2005 No. 895).

15.2. Chemical Safety Assessment

CSA status: No chemical safety assessment has been carried out.

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SECTION 16: OTHER INFORMATION

For restrictions on use see section 15.

The user must be instructed in the proper work procedure and be familiar with the contents of these instructions.

The following sections contain revisions or new statements: 1, 2, 3, 4, 8, 11, 12, 13, 15, 16.

Magna Welding Alloys
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Abbreviations and acronyms used in the safety data sheet:

CSA= Chemical Safety Assessment.
LD50 = Lethal Dose 50%.
M(ac) = M-factor acute toxicity.
M(chr) = M-factor chronic toxicity.
PBT = Persistent, Bioaccumulative and Toxic.
vPvB = very Persistent and very Bioaccumulative.

Additional information: Classification according to Regulation (EC) No. 1272/2008: Calculation method.

Wording of H-statements:

H302	Harmful if swallowed.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H400	Very toxic to aquatic life.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

The information on this data sheet represents our current data and is reliable provided that the product is used under the prescribed conditions and in accordance with the application specified on the packaging and/or in the technical guidance literature. Any other use of the product which involves using the product in combination with any other product or any other process is the responsibility of the user.

Made by DHI - Environment and Toxicology, Agern Allé 5, DK-2970 Hørsholm, Denmark.
www.dhigroup.com.
