Certificate Number :768QM8001
Original Certificate Number :768/95

RX-90 Red Oxide Anti Rust Primer

SAFETY DATA SHEET

ACCORDING TO EC-REGULATIONS 453/2010

1. SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier

Product Name	RX-90 Red Oxide Anti Rust Primer.
Trade Name	RX-90 Red Oxide Anti Rust Primer.
Part No.	1855
CAS No.	Mixture.
EINECS No.	Mixture.
REACH Registration No.	None assigned.

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

Identified use(s)	Surface Coating, Quick Air Dry Primer.
Uses advised against	None known.

1.3 Details of the supplier of the Safety Data Sheet

Company Identification	Action Can Ltd., Dixon Close, Old Boston Trading Estate, Haydock, St. Helens, Merseyside. Wa11 9SF.
Telephone	01942 713667
Fax	01942 716235
E-Mail (competent person)	info@actioncan.com

1.4 Emergency telephone number

Emergency Phone No.	01942 713667 (Mon – Fri: 9am to 5pm)

2. SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Directive 67/548/EEC & Directive 1999/45/EC

F+; Extremely flammable.
Xn; Harmful by inhalation and in contact with skin.
Irritating to skin.
N; Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

2.2 Label elements

According to Directive 67/548/EEC & Directive 1999/45/EC

Product Name: RX-90 Red Oxide Anti Rust Primer.

Hazard Symbol



F+ Xn N

Risk Phrases

R12: Extremely flammable.
R20/21: Harmful by inhalation and in contact with skin.
R38: Irritating to skin.
R51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Safety Phrases	S2: Keep out of the reach of children. S9: Keep container in a well-ventilated place. S23: Do not breathe vapour. S36/37: Wear suitable protective clothing and gloves. S43: In case of fire, use: Water spray, dry powder or carbon dioxide. S57: Use appropriate container to avoid environmental contamination.
Additional Information	For professional users only. Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50 °C. Do not pierce or burn, even after use. Do not spray on a naked flame or any incandescent material.

2.3 Other hazards None.

2.4 Additional Information None.

3. SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Product as supplied: Aerosol.

3.1 Mixtures

EC Classification No. 67/548/EEC

Hazardous ingredient(s)	%W/W	CAS No.	EC No.	REACH Registration No.	EC Classification and Risk Phrases
Xylene	25 - 50	1330-20-7	215-535-7	None assigned	R10, Xn; R20/21, Xi; R38
Dimethyl ether	25 - 30	115-10-6	204-065-8	None assigned	F+; R12
Trizinc bis(orthophosphate)	2.5 - 10	7779-90-0	231-944-3	None assigned	N; R50/53
1,2,4-trimethylbenzene	≤2.5	95-63-6	202-436-9	None assigned	R10, Xn; R20, Xi; R36/37/38, N; R51/53
Ethanol	≤2.5	64-17-5	200-578-6	None assigned	F; R11
Mesitylene	≤2.5	108-67-8	203-604-4	None assigned	R10, Xi; R37, N; R51/53

3.2 Additional Information

For full text of R phrases see section 16.

4. SECTION 4: FIRST AID MEASURES



4.1	**Description of first aid measures**	
	Inhalation	Move person to fresh air. If symptoms persist, obtain medical attention.
	Skin Contact	Wash skin with soap and water. If irritation develops and persists, get medical attention.
	Eye Contact	Rinse cautiously with water for several minutes.
	Ingestion	Unlikely route of exposure.
4.2	**Most important symptoms and effects, both acute and delayed**	Unlikely to be required but if necessary treat symptomatically.
4.3	**Indication of any immediate medical attention and special treatment needed**	No special requirements.

5. SECTION 5: FIRE-FIGHTING MEASURES

5.1	**Extinguishing Media**	
	Suitable Extinguishing Media	In case of fire, use: Water spray, dry powder or carbon dioxide.
	Unsuitable Extinguishing Media	Water jet spray.
5.2	**Special hazards arising from the substance or mixture**	Heating may cause pressure rise with risk of bursting.
5.3	**Advice for fire-fighters**	Fire fighters should wear complete protective clothing including self-contained breathing apparatus.

6. SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1	**Personal precautions, protective equipment and emergency procedures**	Ensure adequate ventilation. Keep away from sources of ignition. Wear appropriate personal protective equipment, avoid direct contact.
6.2	**Environmental precautions**	Do not allow to enter drains, sewers or watercourses.
6.3	**Methods and material for containment and cleaning up**	Place leaking cans in a bucket or pail to minimise product contamination of surfaces. Adsorb spillages onto sand, earth or any suitable adsorbent material.
6.4	**Reference to other sections**	See Also Section 7, 8, 13.

7. SECTION 7: HANDLING AND STORAGE

7.1	**Precautions for safe handling**	Ensure adequate ventilation. Keep away from sources of ignition - No smoking. Do not spray on a naked flame or any incandescent material. Do not pierce or burn, even after use. Avoid prolonged skin contact. Avoid inhalation of vapours. Wash hands before breaks and after work.
7.2	**Conditions for safe storage, including any incompatibilities**	Protect from sunlight. Keep only in original container. Keep container tightly closed.
	Storage Temperature	Do not expose to temperatures exceeding 50°C/ 122°F.
	Storage Life	Stable under normal conditions.
	Incompatible materials	None known.

7.3 Specific end use(s) Surface Coating, Quick Air Dry Primer.

8. SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

8.1.1 Occupational Exposure Limits

SUBSTANCE	CAS No.	LTEL (8 hr TWA ppm)	LTEL (8 hr TWA mg/m³)	STEL (ppm)	STEL (mg/m³)	Note
Xylene	1330-20-7	50	220	100	441	WEL (Sk)
Dimethyl ether	115-10-6	400	766	500	958	WEL
Ethanol	64-17-5	1000	1920	-	-	WEL

WEL: Workplace Exposure Limit (UK HSE EH40)
Sk - Can be absorbed through skin.

8.1.2 Biological limit value Not established.

8.1.3 PNECs and DNELs Not established.

8.2 Exposure controls

8.2.1 Appropriate engineering controls Provide adequate ventilation.

8.2.2 Personal protection equipment

Eye/face protection



Not normally required. Wear eye protection with side protection (EN166).

Skin protection (Hand protection/Other)



Not normally required. Wear suitable protective clothing and gloves.

Respiratory protection



No personal respiratory protective equipment normally required. In case of insufficient ventilation, wear suitable respiratory equipment.

Thermal hazards: Not applicable.

8.2.3 Environmental Exposure Controls Do not allow to enter drains, sewers or watercourses.

9. SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance	Aerosol.
Colour	According to product specification.
Odour	Characteristic.
Odour Threshold	Not determined.
pH	Not determined.
Melting Point/Freezing Point	Not determined.
Initial boiling point and boiling range	137°C (bulk product before aerosol packing)
Flash point	-42°C

	Evaporation rate	Not applicable.
	Flammability (solid, gas)	Extremely flammable.
	Upper/lower flammability or explosive limits	1.1 – 7.0 Vol-%
	Vapour pressure	6.7 hPa @ 20°C
	Vapour density	Not determined.
	Relative density	Not determined.
	Solubility(ies)	Immiscible with water.
	Partition coefficient: n-octanol/water	Not determined.
	Auto-ignition temperature	The product is not self-igniting.
	Ignition temperature	500°C (bulk product before aerosol packing)
	Decomposition Temperature	Not determined.
	Viscosity	Not determined.
	Explosive properties	Not explosive. Can form explosive mixture with air.
	Oxidising properties	Not available.
9.2	**Other information**	
	Organic solvents	33.6%

10. SECTION 10: STABILITY AND REACTIVITY

10.1	**Reactivity**	Stable under normal conditions.
10.2	**Chemical stability**	Stable under normal conditions.
10.3	**Possibility of hazardous reactions**	Stable under normal conditions.
10.4	**Conditions to avoid**	Keep away from heat and flame.
10.5	**Incompatible materials**	None known.
10.6	**Hazardous Decomposition Product(s)**	None known.

11. SECTION 11: TOXICOLOGICAL INFORMATION

11.1	**Information on toxicological effects**	
11.1.1	**Mixtures**	
	Acute toxicity	
	Ingestion	Xylene: LD50 (rat) = 8700mg/kg
	Inhalation	Harmful by inhalation.
		Xylene: LC50 (rat) [4 hour(s)] = 6350mg/l
	Dermal	Harmful in contact with skin.
		Xylene: LD50 (rabbit) = 2000mg/kg
	Irritation	Irritating to skin.
	Corrosivity	Not classified.
	Sensitisation	It is not a skin sensitiser.
	Repeated dose toxicity	None anticipated.
	Carcinogenicity	No evidence of carcinogenicity.
	Mutagenicity	There is no evidence of mutagenic potential.
	Toxicity for reproduction	None anticipated.
11.2	**Other information**	None.

RX-90 Red Oxide Anti Rust Primer

12. SECTION 12: ECOLOGICAL INFORMATION

12.1	**Toxicity**	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. Danger to drinking water if even small quantities leak into the ground. Also poisonous for fish and plankton in water bodies.
12.2	**Persistence and degradability**	No information available.
12.3	**Bioaccumulative potential**	No information available.
12.4	**Mobility in soil**	Immiscible with water.
12.5	**Results of PBT and vPvB assessment**	Not classified as PBT or vPvB.
12.6	**Other adverse effects**	None.
12.7	**Additional Information**	Wassergefährdungsklasse (Germany): WGK 2 (Hazardous for water).

13. SECTION 13: DISPOSAL CONSIDERATIONS

13.1	**Waste treatment methods**	Recycle only completely emptied packaging. Containers must not be punctured or destroyed by burning, even when empty. Non-emptied aerosol: Dispose of wastes in an approved waste disposal facility.
13.2	**Additional Information**	Disposal should be in accordance with local, state or national legislation.

14. SECTION 14: TRANSPORT INFORMATION

14.1	**UN number**	UN 1950
14.2	**UN proper shipping name**	AEROSOLS.
14.3	**Transport hazard class(es)**	2.1
14.4	**Packing Group**	II
14.5	**Environmental hazards**	Not classified as a Marine Pollutant.
14.6	**Special precautions for user**	None.
14.7	**Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**	Not applicable.
14.8	**Additional Information**	
14.8.1	IMDG Code	EmS: F-E, S-E
14.8.2	Tunnel Restriction Code	D/E
14.8.3	Kemler Code	30

15. SECTION 15: REGULATORY INFORMATION

15.1	**Safety, health and environmental regulations/legislation specific for the substance or mixture**	
15.1.1	**EU regulations**	
	Authorisations and/or restrictions on use	
	Candidate List of Substances of Very High Concern for Authorisation	All chemicals are not listed.
	REACH: ANNEX XIV LIST OF SUBSTANCES SUBJECT TO AUTHORISATION	All chemicals are not listed.

	REACH: ANNEX XVII RESTRICTIONS ON THE MANUFACTURE, PLACING ON THE MARKET AND USE OF CERTAIN DANGEROUS SUBSTANCES, PREPARATIONS AND ARTICLES	All chemicals are not listed.
	Community Rolling Action Plan (CoRAP); Draft 29/02/2012	All chemicals are not listed.
15.1.2	**National regulations**	
	Wassergefährdungsklasse (Germany)	WGK 2 (Hazardous for water).
15.2	**Chemical Safety Assessment**	Not available.

16. SECTION 16: OTHER INFORMATION

The following sections contain revisions or new statements: 1-16.

LEGEND

LTEL	Long Term Exposure Limit
STEL	Short Term Exposure Limit
DNEL	Derived No Effect Level
PNEC	Predicted No Effect Concentration
PBT	Persistent, Bioaccumulative and Toxic
vPvB	very Persistent and very Bioaccumulative
F+	Extremely flammable
F	Highly flammable
Xi	Irritant
Xn	Harmful
N	Dangerous for the environment.

Risk Phrases

R10	Flammable.
R11	Highly flammable.
R12	Extremely flammable.
R20	Harmful by inhalation.
R20/21	Harmful by inhalation and in contact with skin.
R37	Irritating to respiratory system.
R38	Irritating to skin.
R36/37/38	Irritating to eyes and respiratory system.
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.

Disclaimers

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Annex to the extended Safety Data Sheet (eSDS)

No information available.