SAFETY DATA SHEET
Epoxy Top Coat, Resin Modified

1. Identification of the substance/preparation and of the company/undertaking

Date issued	03.09.2012
Product name	Epoxy Top Coat, Resin Modified
Article no.	2301 (white), 2303 (red), 2305 (blue), 2309 (black)
Use of the substance/preparation	Paint product

Distributor

Company name	Färg-In AB
Postal address	Bodalsvägen 6
Postcode	S-681 43
City	Kristinehamn
Country	SWEDEN
Tel	+46 55010045
Fax	+46 55081001
E-mail	ulf.lundgren@fargin.se
Website	http://www.fargin.se
Enterprise no.	SE-556187-9387
Contact person	Ulf Lundgren
Emergency telephone	Poison control center:See National Thelephone Number (112)

2. Hazards identification

Classification according to 67/548/EEC or 1999/45/EC	Xn; R10,R20/21,R36/38,R43,R52/53
Description of hazard	Flammable. Harmful by inhalation and in contact with skin. Irritating to eyes and skin. May cause sensitisation by skin contact. Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

3. Composition/information on ingredients

Component name	Identification	Classification	Contents
Xylene	CAS no.: 1330-20-7 EC no.: 215-535-7 Index no.: 601-022-00-9	R10 Xn; R20/21 Xi; R38 Flam. Liq. 3; H226 Acute tox. 4; H332 Acute tox. 4; H312 Skin Irrit. 2; H315	12,5 - 20 %
Reaction product: bisphenol-A-(epichlorhydrin), epoxy resin (number average molecular weight <= 700)	CAS no.: 25068-38-6 EC no.: 500-033-5 Index no.: 603-074-00-8	R43 Xi; R36/38 N; R51, R53 Eye Irrit. 2; H319 Skin Irrit. 2; H315 Skin Sens. 1; H317 Aquatic Chronic 2; H411	5 - 10 %

Epoxiharts (MV > 700)	CAS no.: 25036-25-3	Xi; R36/38,R43	5 - 10 %
1-Methoxy-2-propanol	CAS no.: 107-98-2 EC no.: 203-539-1 Index no.: 603-064-00-3	R10 R67 Flam. Liq. 3; H226 STOT SE 3; H336	1 - 2,5 %
Column headings	CAS no. = Chemical Abstracts Service; EU (Einecs or Elincs number) = European inventory of Existing Commercial Chemical Substances; Ingredient name = Name as specified in the substance list (substances that are not included in the substance list must be translated, if possible). Contents given in; %, %wt/wt, %vol/wt, %vol/vol, mg/m3, ppb, ppm, weight%, vol%		
HH/HF/HE	T+ = Very toxic, T = Toxic, C = Corrosive, Xn = Harmful, Xi = Irritating, E = Explosive, O = Oxidizing, F+ = Extremly flammable, F = Very flammable, N = Environmental hazard		
Component comments	The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.		

4. First-aid measures

Inhalation	Provide rest, warmth and fresh air. If respiratory problems, artificial respiration/oxygen. Get medical attention if any discomfort continues.
Skin contact	Remove contaminated clothing immediately and wash skin with soap and water. Use suitable lotion to moisturise skin.
Eye contact	Important! Immediately rinse with water for at least 15 minutes. Contact physician if irritation persists.
Ingestion	Drink a few glasses of water or milk. DO NOT induce vomiting. Get medical attention immediately.

5. Fire fighting measures

Suitable extinguishing media	Foam, carbon dioxide or dry powder. Small amounts can also be extinguished by asphyxiation.
Fire and explosion hazards	Fire causes formation of toxic gases.
Fire fighting procedures	Avoid breathing fire vapours. Use air-supplied respirator during fire fighting. Containers close to fire should be removed immediately or cooled with water. Keep run-off water out of sewers and water sources. Dike for water control.

6. Accidental release measures

Personal precautions	Do not smoke, use open fire or other sources of ignition. Provide adequate ventilation. Do not breathe vapour.
Environmental precautions	Do not discharge into drains, water courses or onto the ground.
Methods for cleaning	Absorb in vermiculite, dry sand or earth and place into containers. For waste disposal, see section 13. Wash contaminated area with alkaline washing solution.

7. Handling and storage

Handling	Risk of vapour concentration on the floor and in low-lying areas. Vapours can with air form an explosive mixture. Do not smoke or use open fire or other sources of ignition. Ground container and transfer equipment to eliminate static electric sparks. Ventilate well, avoid breathing vapours. Use approved respirator if air contamination is above accepted level.
Storage	Store in tightly closed original container in a dry, cool and well-ventilated place. Keep away from heat, sparks and open flame. Keep away from food, drink and animal feeding stuffs.

8. Exposure controls/personal protection

Exposure limit values

Component name	Identification	Value	Year
Xylene	CAS no.: 1330-20-7 EC no.: 215-535-7 Index no.: 601-022-00-9	8 h.: 50 ppm 8 h.: 221 mg/m3 15 min.: 100 ppm 15 min.: 442 mg/m3 Sk	
1-Methoxy-2-propanol	CAS no.: 107-98-2 EC no.: 203-539-1 Index no.: 603-064-00-3	8 h.: 100 ppm 8 h.: 375 mg/m3 15 min.: 150 ppm 15 min.: 560 mg/m3	2011

Exposure controls

Other Information about threshold limit values	According to National regulations.
Occupational exposure controls	Staff should be instructed especially thoroughly. Provide adequate ventilation, including appropriate local extraction, to ensure that the defined occupational exposure limit is not exceeded. All handling to take place in well-ventilated area.
Respiratory protection	In case of inadequate ventilation or risk of inhalation of vapours, use suitable respiratory equipment with combination filter (type A2/P2). Supplied-air respirator with full facepiece, helmet or hood.
Hand protection	Use protective gloves made of: Nitrile. Butyl rubber. Be aware that the liquid may penetrate the gloves. Frequent change is advisable. 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	Wear splash-proof eye goggles to prevent any possibility of eye contact.
Skin protection (other than of the hands)	Wear suitable protective clothing as protection against splashing or contamination.
Other Information	When using do not eat, drink or smoke.

9. Physical and chemical properties

Physical state	Coloured liquid.
Odour	Solvent.
Specific gravity	Value: 1,4-1,6
Flash point	Value: ~ 25 °C
Explosive properties	Lower explosion limit with unit of measurement: 1,0 volym-% Upper explosion limit with unit of measurement: 13,1 volym-%
Solvent content	Value: ~ 300 g/l (for complete color mix)

10. Stability and reactivity

Conditions to avoid	Vapors may in confined or poorly ventilated spaces form an explosive mixture with air. Avoid heat, flames and other sources of ignition.
Materials to avoid	Alkali metals. Strong oxidising substances. Strong acids.
Hazardous decomposition products	Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.

11. Toxicological information

Components' toxicological data

Other information regarding health hazards

General	Prolonged and repeated contact with solvents over a long period may lead to permanent health problems.
Inhalation	In high concentrations, vapours may irritate throat and respiratory system and cause coughing. In high concentrations, vapours are anaesthetic and may cause headache, fatigue, dizziness and central nervous system effects.
Skin contact	Prolonged or frequent contact may cause redness, itching, eczema and skin cracking. May cause allergic contact eczema.
Eye contact	Particles in the eyes may cause irritation and smarting.
Ingestion	Ingestion may cause irritation of the gastrointestinal tract, vomiting and diarrhoea. May cause nausea, headache, dizziness and intoxication.
Sensitisation	Contains epoxy constituents. May produce an allergic reaction.

12. Ecological information

Components' toxicological data

Other 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.
Environmental details, conclusion	The product may not be released into soil, drains or waterways. Ecotoxicological data are not available on the product itself.

13. Disposal considerations

EWC waste code	EWC: 08 01 11 * waste paint and varnish containing organic solvents or other dangerous substances EWC: 20 01 27 * paint, inks, adhesives and resins containing dangerous substances
Product classified as hazardous waste	Yes
Specify the appropriate methods of disposal	Dispose of waste and residues in accordance with local authority requirements. Make sure containers are empty before discarding (explosion risk).
Other Information	The packaging must be empty (drop-free, when inverted). When handling waste, consideration should be made to the safety precautions applying to handling of the product.

14. Transport information

Product name (national)	Paint
Other applicable information.	UN 1263. Belonging to point 2.2.3.1.5 i ADR. Belonging to point 2.3.2.5 i IMDG. The product is not covered by international regulation on the transport of dangerous goods (IMDG, IATA, ADR/RID).

15. Regulatory information

Hazard symbol

Composition on the label	Xylene: 12,5 - 20 %, Reaction product: bisphenol-A-(epichlorhydrin), epoxy resin (number average molecular weight <= 700): 5 - 10 %, Epoxiharts (MV

	> 700): 5 - 10 %, 1-Methoxy-2-propanol: 1 - 2,5 %
R phrases	R10 Flammable. R20/21 Harmful by inhalation and in contact with skin. R36/38 Irritating to eyes and skin. R43 May cause sensitization by skin contact. R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
S phrases	S23 Do not breathe gas/fumes/vapour/spray. S36/37 Wear suitable protective clothing and gloves. S38 In case of insufficient ventilation, wear suitable respiratory equipment.
Other Label Information	Contains epoxy constituents. See information supplied by the manufacturer.

16. Other information

List of relevant H-phrases (Section 2 and 3).	H226 Flammable liquid and vapour. H312 Harmful in contact with skin. H315 Causes Skin irritation. H317 May cause an allergic skin reaction. H319 Causes Serious eye irritation. H332 Harmful if inhaled. H336 May cause drowsiness or dizziness. H411 Toxic to aquatic life with long lasting effects.
List of relevant R phrases (under headings 2 and 3).	R10 Flammable. R20/21 Harmful by inhalation and in contact with skin. R36/38 Irritating to eyes and skin. R38 Irritating to skin. R43 May cause sensitization by skin contact. R51 Toxic to aquatic organisms. R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment. R53 May cause long-term adverse effects in the aquatic environment. R67 Vapours may cause drowsiness and dizziness.
Checking quality of information	This information is based on the information we knew at the time of preparation and they have been given in good faith and provided that the product is used under normal conditions and in accordance with the specified conditions of use. Any other use of the date indicated, eventually together with other products or processes, is at your own risk.
Responsible for safety data sheet	Färg-In AB