

# SAFETY DATA SHEET

## CARBOXANE 2434 PART A

### 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

<b>Product name</b>	CARBOXANE 2434 PART A
<b>Synonyms, trade names</b>	BLÅ 567 RAL 5015, GRÅ 724 RAL 7001, GUL 128 RAL 1021, RØD 330 RAL3002, RØD 360 RAL 3003, RAL 9016
<b>Part No.</b>	8667
<b>In-house No.</b>	8667
<b>Applications</b>	Two component topcoat. Refer to SDS for Part B and technical datasheet.
<b>Supplier</b>	CARBOLINE NORGE AS Postboks 540 3412 LIERSTRANDA NORWAY Tel: 32-857400 Fax: 32-857496
<b>Contact person</b>	e-mail: hms@stoncor.com
<b>Emergency telephones</b>	Poison center in Norway Phone: +4722591300
<b>Manufacturer</b>	CARBOLINE NORGE AS Postboks 593 3412 LIERSTRANDA NORWAY Tel: 32-857300 Fax: 32-857495

### 2. HAZARDS IDENTIFICATION

Flammable. Irritating to skin. Harmful by inhalation and in contact with skin. Further information about hazards and environmental effects, see section 11 and 12.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Name	EC No.	CAS No.	Content	Symbol	R-phrases
xylene	215-535-7	1330-20-7	10-30 %	Xn	R-10, 20/21, 38
ethylbenzene	202-849-4	100-41-4	5-10 %	Xn ,F	R-11, 20
heptan-2-one	203-767-1	110-43-0	5-10 %	Xn	R-10, 20/22
Solvent naphta (petroleum), light arom. ; low boiling point naphta -unspecl	265-199-0	64742-95-6	0-1 %	Xn ,N	R-10, 20, 51/53, 65
ethanediol	203-473-3	107-21-1	<0.25 %	Xn	R-22
methanol	200-659-6	67-56-1	<0.35 %	T ,F	R-11, 23/24/25, 39/23/24/25

See section 16 for explanations to R-phrases

**Composition comments** Key to the symbols: T+ = Very toxic, T= Toxic, C= Corrosive, Xn= Harmful, Xi= Irritant, IK= Not classified, E= Explosive, O= Oxidizing, F+ = Extremely flammable, F=Highly

flammable, N= Dangerous to the environment, M= Mutagenic, A= Sensitizing, K= Carcinogenic, R= Toxic to reproduction Xylene, technical quality contains 14-20% ethylbenzene. (Cas-nr.100-41-4).

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## 4. FIRST AID MEASURES

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<b>General</b>	In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.
<b>Inhalation</b>	Move the exposed person to fresh air at once. Perform artificial respiration if breathing has stopped. Keep the affected person warm and at rest. Get prompt medical attention.
<b>Ingestion</b>	NEVER MAKE AN UNCONSCIOUS PERSON VOMIT OR DRINK FLUIDS!
<b>Skin</b>	Remove affected person from source of contamination. Promptly wash contaminated skin with soap or mild detergent and water. Promptly remove clothing if soaked through and wash as above.
<b>Eyes</b>	Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes and get medical attention. Make sure to remove any contact lenses from the eyes before rinsing.

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## 5. FIRE-FIGHTING MEASURES

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<b>Extinguishing media</b>	Fire can be extinguished using: Dry chemicals, sand, dolomite etc. Powder, foam or CO <sub>2</sub> .
<b>Special fire fighting procedures</b>	Avoid water in straight hose stream; will scatter and spread fire. Move container from fire area if it can be done without risk.
<b>Specific hazards</b>	Generates massive smoke during fire. Solvent vapours may form explosive mixtures with air. Vapours are heavier than air and may spread near ground to sources of ignition.
<b>Protective measures in fire</b>	Appropriate breathing apparatus may be required.

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## 6. ACCIDENTAL RELEASE MEASURES

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<b>Personal protection</b>	Wear necessary protective equipment, ref.section 8.
<b>Environmental protection</b>	Do not allow to enter drains or watercourses. If the product contaminates lakes, rivers or sewage, inform appropriate in accordance with local regulations. Clean preferably with a detergent; avoid use of solvents.
<b>Spill cleanup methods</b>	Provide ventilation and confine spill. Do not allow runoff to sewer. Contact Emergency Response Team in case of major spills. Collect with absorbent, non-combustible material into suitable containers.

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## 7. HANDLING AND STORAGE

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<b>Usage precautions</b>	Keep away from heat, sparks and open flame. Wear necessary protective equipment, ref. section 8. Avoid spilling, skin and eye contact. Ventilate well, avoid breathing vapours. Use approved respirator if air contamination is above accepted level. Read and follow manufacturer's recommendations.
<b>Storage precautions</b>	Keep in cool, dry, ventilated storage and closed containers. Containers which are opened must be carefully resealed and kept upright to prevent leakage. .
<b>Storage criteria</b>	Flammable liquid storage.

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## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Ingredient name	CAS no.	Reference	LT Exp 8 Hrs	ST Exp 15 Min
xylene	1330-20-7	WEL.	220 mg/m3(Sk)	441 mg/m3(Sk)
ethylbenzene	100-41-4	WEL.	441 mg/m3(Sk)	552 mg/m3(Sk)
heptan-2-one	110-43-0	WEL.	237 mg/m3(Sk)	475 mg/m3(Sk)
ethanediol	107-21-1	WEL.	52 mg/m3(Sk)	104 mg/m3(Sk)
methanol	67-56-1	WEL.	266 mg/m3(Sk)	333 mg/m3(Sk)

### Ingredient comments

OES = Occupational Exposure Standard. . .

### Protective equipment



### Process conditions

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Use engineering controls to reduce air contamination to permissible exposure level. .  
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### Ventilation

All handling to take place in well-ventilated area. Where reasonably practicable this should be achieved by use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.

### Respirators

At work in confined or poorly ventilated spaces, respiratory protection with air supply must be used. Wear respiratory protection with combination filter (dust and gas filter) during spraying operations. Gas cartridge (organic substances). Dust filter P2 (for fine dust).

### Protective gloves

Chemically resistant gloves (EN 374). Use protective gloves made of: Polyvinyl alcohol (PVA). Neoprene. Nitrile. -

### Eye protection

If risk of splashing, wear safety goggles or face shield.

### Other Protection

Protective clothing as needed. Provide eyewash, quick drench.

### Hygienic work practices

Wash at the end of each work shift and before eating, smoking and using the toilet. Wash promptly if skin becomes wet or contaminated. Promptly remove any clothing that becomes wet. Use appropriate hand lotion to prevent defatting and cracking of skin.

### Environmental exposure controls

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Fluid.	
Colour	Misc. colours.	
Odour	Ketonic.	
Solubility description	Soluble in: Organic solvents (most).	
Boiling point (°C, interval)	137 - 152	Pressure

Density (g/cm <sup>3</sup> )	1.20	Temperature (°C)
Vapour density (air=1)	> 1	
Viscosity (interval)	85 KU	Temperature (°C)
Flash point (°C)	31	Method
Auto ignition temp. (°C)	393	
Flammability limit (%)	1 - 7.90	

## 10. STABILITY AND REACTIVITY

<b>Stability</b>	Avoid: Heat, sparks, flames.
<b>Hazardous decomp. products</b>	Toxic gases/vapours/fumes of: Carbon monoxide (CO). Carbon dioxide (CO <sub>2</sub> ). Nitrous gases (NO <sub>x</sub> ).

## 11. TOXICOLOGICAL INFORMATION

<b>Health warnings</b>	Inhalation is the main hazard in industrial use. Solvent vapours are hazardous and may cause nausea, sickness and headaches. Absorbs through the skin. Contact with this chemical may cause: Strong eye irritation, but rarely permanent damage. Skin drying with risk of formation of eczema. Spray mist can irritate airways and lungs. Swallowing concentrated chemical may cause severe internal injury. Prolonged or repeated exposure to this chemical may cause: Brain damage. INFORMATION ABOUT ETHYLBENZENE (EB) FROM IARC (International Agency for Research on Cancer) : IARC (2000) has classified EB as Category 2B carcinogen. The agent is possibly carcinogenic to humans.
<b>Medical considerations</b>	Chronic solvent-induced symptoms may give untypical (neurasthenically produced) impression of disease.

## 12. ECOLOGICAL INFORMATION

<b>Ecological information</b>	. No available environmental data on this product.  The product should not be allowed to enter drains or water courses. Environmental data, Xylen ( Cas.nr. 1330-20-7) :Do not bioaccumulate in aquatic environment. LC50 96h (fish): 2-11 mg/l Roccus saxatilis, 8,2 mg/l Salmo gairdneri, 13,5 mg/l Lepomis macrarchirus, 21,0 mg/l Pimephales promelas. EC50 24h (Daphnia): 1-5 mg/l, IC50 72h (algae): 3-5 mg/l Selenastrum sp. Degradation: OECD-test 301C: Readily degradable, BOD5/COD: ca.0,6. Bioaccumulation: BCF:80 fisk(calculated) 21-24 Anguilla japonica, Log Pow: 3,11 - 3,20. Environmental data heptan-2-one.Degradable, do not bioaccumulate.LC50(96h)(fathead minnow):131 mg/l.BOD-5 1,77gO/g, BOD-20: 2,0 gO/g, COD:2,42 gO/g.
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## 13. DISPOSAL CONSIDERATIONS

<b>Disposal methods</b>	Wastes should be delivered as hazardous waste. Do not allow runoff to sewer, waterway or ground.
<b>Waste class</b>	Hazardous waste according to EU-directives. 08 01 11. H 3-B Flammable. H 5 Harmful.

## 14. TRANSPORT INFORMATION

### ROAD TRANSPORT (ADR):

<b>UN no. road</b>	1263
<b>ADR class no.</b>	3
<b>ADR class</b>	Class 3: Flammable liquids.

### RAIL TRANSPORT (RID):

<b>RID class no.</b>	3
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### SEA TRANSPORT (IMDG):

<b>UN no. sea</b>	1263
<b>IMDG class</b>	3
<b>IMDG packing group</b>	III
<b>EmS no.</b>	3-05
<b>Marine pollutant</b>	No.

Trans5

### AIR TRANSPORT (IATA/ICAO):

<b>UN no., air</b>	1263
<b>IATA/ICAO class</b>	3

## 15. REGULATORY INFORMATION

### Symbol(s)



<b>Contains</b>	ethylbenzene heptan-2-one xylene
<b>Risk phrases</b>	R-10 Flammable. R-20/21 Harmful by inhalation and in contact with skin. R-38 Irritating to skin.
<b>Safety phrases</b>	S-23 Do not breathe gas/fumes/vapour/spray. S-25 Avoid contact with eyes. S-38 In case of insufficient ventilation, wear suitable respiratory equipment. S-42 During fumigation/spraying wear suitable respiratory equipment. S-51 Use only in well-ventilated areas.

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## 16. OTHER INFORMATION

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**Explanations to R-phrases in section 2**

R-10 Flammable. R-20/21 Harmful by inhalation and in contact with skin. R-38 Irritating to skin. R-11 Highly flammable. R-20 Harmful by inhalation. R-20/22 Harmful by inhalation and if swallowed. R-51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. R-65 Harmful: may cause lung damage if swallowed. R-22 Harmful if swallowed. R-23/24/25 Toxic by inhalation, in contact with skin and if swallowed. R-39/23/24/25 Toxic: danger of very serious irreversible effects through inhalation, in contact with skin and if swallowed.

**\* Information revised since the previous version of the SDS****User notes:**

The information in this safety-data sheet is based on the present state of our knowledge and on current EU and national laws. The product is not to be used for other purposes than those specified under section 1 without first obtaining written handling instruction. It is always the responsibility of the user to take all necessary steps in order to fulfil the demand laid down in the local rules and legislation. The information in this SDS is meant as a description of the safety requirements of our product: it is not to be considered as a guarantee of the products' properties.

Carboline Norge A/S is a member of " Grønt Punkt Norge AS" For more information see; [www.grontpunkt.no](http://www.grontpunkt.no).

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