

TECHNISPRAY PAINTS LTD.

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C425 Retarder

C425 retarder can be added to single pack, solvent based Kolorbond paint to slow down drying times.

C425 retarder is very useful when spraying large panels or spraying large areas on site. The increased drying time allows the sprayer to keep a wet hedge.

C425 retarder should be added at a rate of 2%. A maximum of 5 % can be added in extreme circumstances.

SCROLL DOWN FOR MSDS



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SAFETY DATA SHEET - REGULATIONS 1994 (CHIP 2)

Technispray Paints Limited urges the customer receiving this Material Safety Data Sheet to study it carefully to become aware of hazards, if any, of the product involved.

In the interests of safety you should:

- 1) notify your employees, agents and contractors of the information on this sheet,
- 2) furnish a copy to each of your customers for the product, and
- 3) request your customers to inform their employees and customers as well.

1) Identification and Company

Date revised: 03 02 14

Revision No:4

Company:

TECHNISPRAY PAINTS LIMITED

Product Name:

C425 RETARDER

Chemical Characterisation:

Solvent based paint product

Form

Liquid - 1 litre, 5 litre cans and 20 litre. pails.

Colour

Clear

Odour

Characteristic odour

2) Composition

Material	CAS No: % (weight)	EINECS no.	Symbol	Risk Phrases
2-Butoxyethanol	50 -100	111-76-2	Xn, Xi	20,21/22-36/38

The texts of the R phrases are listed in 15)

3) Hazards Identification

Physical

Highly flammable. Harmful

Adverse Human Effects

Can enter the body by inhalation, ingestion, or through the skin. Irritates the eyes, skin and respiratory tract.
Liquid removes the skin's natural oils.
Repeated exposure may cause skin dryness or cracking.
Vapours may cause drowsiness and dizziness.

in accordance with EU Directives

4) First Aid Measures

Inhalation	Move the exposed person to fresh air at once. Get medical attention immediately. For breathing difficulties oxygen may be necessary. If rapid recovery does not follow, apply artificial respiration.
Ingestion	Do not induce vomiting.
Skin	Obtain medical attention immediately. Wash the skin immediately with soap and water. Use a moisturiser.
Eye	Get medical attention if any discomfort continues. Flush with plenty of water for several minutes. Make sure to remove any contact lenses before rinsing. Continue to rinse for at least 15 minutes. If irritation persists, refer for medical attention.

5) Fire Fighting Measures

Extinguishing Media	Use a dry chemical powder, foam or carbon dioxide extinguisher, sand or earth. Do not use water in a jet.
Special Fire Fighting Procedures	Containers close to fire should be removed or cooled with water. Use water to keep fire-exposed containers cool.
Unusual Fire & Explosion Hazards	Risk of explosion if heated.

6) Accidental Release Measures

Spillage/Leakage/Gas Leakage	Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Ventilate. Wear the necessary protective equipment. Prevent the liquid from spreading with sand or sawdust. Shovel up and remove to a safe place. Flush contaminated area with water. If leakage cannot be stopped evacuate area. Ventilate well. Do not contaminate water sources or sewer. Shovel up and remove to a safe place. Extinguish naked flames. Ensure adequate ventilation. Wear protective clothing and breathing apparatus as outlined below.
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7) Handling and Storage

Handling Precautions	Ensure adequate positive ventilation to keep concentrations well below hazard levels.
Storage Precautions	Keep away from heat, sparks and open flames. Containers must not be exposed to direct sunlight or temperatures above 25°C. Store away from oxidising agents. Avoid exposure to sources of heat or ignition. Keep containers tightly closed. Avoid build up of static electricity.

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8) Exposure Controls and Personal Protection

Name	CAS No.	STD	LT EXP (8 hrs)	ST EXP (15 min)
2-BUTOXYETHANOL	111-76-2	OES	25 ppm (SK)	50 ppm (SK)
Comments		OES = Occupational Exposure Standard SUP = Supplier's Recommendation SK = Can be absorbed through skin		
Protective Equipment		Wear goggles giving complete protection to eyes. Wear nitrile rubber gloves. Wear overalls. Avoid contact with liquid. Wear an approved breathing apparatus when concentrations above 100 ppm are present.		
Ventilation		Provide adequate general and local exhaust ventilation.		
Respirators		No specific recommendation made, but respiratory protection must be used if the general level exceeds the Occupational Exposure Level (OEL).		
Protective Gloves		Use protective nitrile rubber gloves.		
Eye Protection		Use approved safety goggles or face shield.		
Protective Clothing		Wear appropriate clothing to prevent any possibility of liquid contact and repeated or prolonged vapour contact.		
Industrial Hygiene Work Routine		DO NOT SMOKE IN WORK AREA. Wash at the end of each work shift and before eating, smoking and using the toilet. Promptly remove any clothing that becomes contaminated. No eating or drinking while working with this material.		

9) Physical and Chemical Properties

Appearance	Viscous Liquid - various size containers.	
Odour	Organic solvents	
Colour	Clear	
Change in Physical State	Melting point below : n.d.a	
	Boiling point : n.d.a.	
Specific Gravity	0.9 g/cc Method Calculation	
Vapour Density	(40°C) 201 mbar	
Viscosity	Heavier than Air	
Solubility in water	immiscible	
Flash Point	< 65°C BS2000 Pt 170	
V.O.C Content	.9 Kgs/ lt	
Ignition Temperature	> 200°C	solvents
Explosion limits, lower	> .8% Vol	

in accordance with EU Directives

10) Stability and Reactivity

Thermal Decomposition	Thermal decomposition will occur.
Hazardous Decomposition Products	Fire creates: Vapours / Gases / Carbon Monoxide (CO) & Carbon dioxide (CO ₂) Fumes
Hazardous Reactions	No hazardous decomposition products when stored and used correctly.
Conditions To Avoid	Avoid heat, flames and other sources of ignition. Avoid contact with strong oxidising agents, strong alkali, and strong mineral acids.

11) Toxicological Information

Health Hazards, General	Prolonged and repeated contact with solvents over a long period may lead to permanent health problems.
Inhalation	Gas or vapour in high concentrations may irritate respiratory system. Gas or vapour displaces oxygen available for breathing (asphyxiant).
Skin	Product has a de-fatting effect on the skin. Prolonged or repeated exposure may cause severe irritation.
Eyes	Irritating to the eyes. Spray and vapour in the eyes may cause irritation and smarting. May cause severe irritation to eyes.
Route of entry	Inhalation. Skin and /or eye contact.

12) Ecological Information

Do not allow escape into water, wastewater drains or soil.

13) Disposal Considerations

Empty containers must not be burned because of explosion hazard.
Dispose of in accordance with the Local Authority requirements.
Contact specialist disposal companies.

in accordance with EU Directives

14) Transport Information

LITRES:

ADR:

Designation: NOT CLASSIFIED

Shipping:

Designation: NOT CLASSIFIED

Air Transport:

Designation: NOT CLASSIFIED

15) Regulatory Information

Risk Phrases

R21/22	Harmful in contact with skin and if swallowed
R-36	Irritating to eyes.
R-36/37	Irritating to eyes and respiratory system
R-37/38	Irritating to respiratory system and skin.

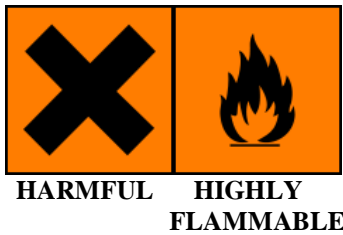
Safety Phrases

S-2	Keep out of reach of children.
S-13	Keep away from food, drink and animal feeding stuffs
S-16	Keep away from heat and sources of ignition.
S-21	No Smoking.
S-23	Do not breathe vapour/spray.
S-24	Avoid contact with skin.
S-25	Avoid contact with eyes.
S-26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S-36/37	Wear suitable protective clothing and gloves.
S-46	If swallowed seek medical advice immediately and Show container or label
S-51	Use only in well ventilated areas.

in accordance with EU Directives

Label

According to the Directive (1999/45/E-C) relating to the classification packaging and labelling of dangerous substances and preparations, the product is labelled as follows:



16) Other Information

Emergency Action

Notify Police and Fire Brigade immediately.

17) Disclaimer

Disclaimer

The information accumulated herein is believed to be accurate and reliable as of the date above, however TECHNISPRA Y PAINTS LIMITED makes no representation, warranty or guarantee nor assumes any legal responsibility as to its accuracy, reliability or completeness. Ultimate determination of suitability for intended use is the responsibility of the user.

03 02 14 Revision 4

in accordance with EU Directives