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MATERIAL SAFETY DATA SHEET FOR FLUOROCARBON BASED COATINGS

1. *Composition/Information on Ingredients*

A polyvinylidene (Pvf_2, Pvdf) based paint coating, or an adhesive bonded polyvinyl-fluoride laminate, used on electrozinc coated steel sheet, hot dip galvanised steel sheet or hot dip zinc aluminium alloy coated steel sheet with primer for the Pvf_2, with a primer and adhesive for the Pvdf. The reverse side has a backing coat applied over a primer.

Some colours in this coating type contain small amounts of lead chromate and chromium (III) type pigments.

2. *Hazards Identification*

Under normal conditions of use and storage these materials are stable and non-toxic.

Mechanical working such as dry sanding and welding or flame cutting of the product will give rise to potentially toxic dust and/or fumes and gases from the coating.

3. *First Aid Measures*

In the event of injury to skin or eyes, seek immediate medical attention.

4. *Fire Fighting Measures*

If involved in a fire, potentially toxic dust and/or fumes, including hydrogen fluoride, from the coating will be evolved.

In the event of fire, suitable and approved respiratory equipment should be worn by firemen.

5. *Exposure Controls and Personal Protection*

If fume or dust is generated, provide adequate ventilation to ensure that the Occupational Exposure Limits listed below are not exceeded. Keeping exposures of total inhalable dust below $5mg/m^3$ should normally ensure that this is the case. If necessary, provide local fume extraction. Alternatively, where necessary, suitable and approved respiratory protective equipment should be provided for use by those at risk from inhalation of fumes. To reduce the risk of ingestion of dust, if generated, good housekeeping and personal hygiene should be practised.

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		Reference Period	
	Type of Limit	**8 hours TWA***	**(15 mins.)**
Chromium (VI) compounds (as Cr)	Max. Exposure Limit	0.05mg/m^3	-
Chromium (III) compounds (as Cr)	Occ. Exposure Standard	0.5mg/m^3	-
Hydrogen fluoride (as F)	Occ. Exposure Standard	-	(3ppm)
Lead & lead compounds except Tetraethyl lead (as Pb)	Approved Code of Practice, Lead in Air Std.	0.15 mg/m^3	-
Carbon monoxide	Occ. Exposure Standard	50ppm	(300ppm)

*TWA Time weighted average

6. Stability and Reactivity

The product is stable under normal conditions but when subjected to elevated temperature (e.g. in a fire) fumes are produced.

7. Toxicological Information

Dry sanding and hot working, e.g. welding, brazing, flame cutting and also fire outbreak will produce dust and/or fumes containing potentially harmful products. These will include hydrogen fluoride, oxides of carbon and may include chromium (III) and lead chromate compounds.

8. Ecological Information

No known harmful effects.

9. Disposal Considerations

No special precautions.

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10. Transport Information

No special precautions.

11. Regulatory Information

Coated steel products are articles not substances and, as such, not subject to the Chemicals Hazard Information and Packaging Regulations, 1994.

DISCLAIMER

THE INFORMATION GIVEN IS BASED ON DATA OBTAINED FROM RELIABLE SOURCES AND IS BELIEVED TO BE CORRECT. HOWEVER, NO WARRANTY IS EXPRESSED OR IMPLIED.

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