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Material Safety Data Sheet, PVC rigid.doc		
Datum	Utfärdare	
2009-01-16		



1. Material class, profile-manufacturer, applied material and products

Material class:	PVC (Polyvinyl chloride) rigid plastic.
Profile manufacturer:	Primo Sverige AB
Applied material codes:	Materialkoder Primo:
Applied instrument number:	Verktygsnummer Primo:

2. Hazards identification

Risks by general handling:	At normal uses the product is deemed not to give health or environmental problems.
Injurious physical chemical effects:	If the product is heated and the recommended application temperature is exceeded, the product may melt and cause burns. Smoke and fumes from the melting process can irritate eyes, skin and respiratory organs and may cause fire. If ignited, the combustion is generally incomplete. Incomplete combustion gives rise to toxic gases, such as carbon monoxide. At higher temperatures, the product may decompose and these toxic fumes may form: carbon monoxide, carbon dioxide, hydrochloric acid, chlorating hydrocarbons and other toxic gases.

3. Composition/ Information on ingredients

Chemical name, Main component:	PVC (Polyvinylchloride)		
Chemical formula, Main component:	(-CH ₂ -CHCl-) _x		
Material	Level (weight-percent)	R-fraser	CAS-nr
PVC (Polyvinylchloride):	90-99 %		9002-86-2
Calcium/zink stabilizer:	1-5 %		-
Colouring matter, lubricating substance:	0-1,5 %		-

4. First aid

In case of inhalation of fumes:	Remove casualty to fresh air and keep at rest. Exposure of decomposition products for a longer time can give rise to headache and irritate respiratory organs. If symptoms like coughing and breathing difficulties appear, seek medical advice.
In case of burns from melted product:	Wash burned areas immediately with plenty of water. Do not remove melted material without medical help.
In case of eye-contact:	Rinse the eye with water for several minutes. Seek medical advice if irritation remains.
Consumption	No poisoning risk, the material is biologically inactive.

5. Fire-fighting measures

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Technical requirements:	Fire brigade is called and unauthorized personnel are evacuated. Authorized personnel can prevent the fire from spreading if there are no risks.
Fire fighting:	Extinguish fires with carbon dioxide, water or "alcoholic foam".
Risks by exposure of fumes:	Handling the product in normal conditions (room temperature and atmospheric pressure) will not give any risks of injury for humans. In case of fire, do not breath fumes; irritating fumes and thick black smoke may form, which can give breathing difficulties. Incomplete combustion occurs when oxygen levels are low, this gives rise to toxic gases and particles etc: carbon monoxide, flue dust, volatile hydrocarbons, chlorating hydrocarbons and hydrochloric acid. Complete combustion, when oxygen levels are high, gives rise to carbon dioxide and water.
Protective clothing for firemen:	Suitable respiratory equipment (with pneumatic air) and suitable protective clothing should be used.

6. Accidental release measurements

After leakage/discharge: Follow local area directions.

7. Handling and storage

Handling and storage: The product is best stored in dry area at 10-30°C. Keep the product away from heat sources and flammable materials.

8. Exposure control/ Personal protection

Limit value of occupational exposure NGV (PVC):
 Hygiene limit value for dust: Dust, total: 1 mg/m³ (Sweden)
 (if dust is produced during handling) Respirable dust: 0,5 mg/m³ (Sweden)
 Technical measures: -
 Respiratory protection: In case of insufficient ventilation, wear suitable respiratory equipment (in case of fire use pneumatic air respiratory protection).
 Hygiene measures: General industrial hygiene regulations are to be observed.
 Protective clothing: -

9. Physical, chemical and mechanical properties

Density: 1,35-1,40 g/ cm³ (DIN 53479)
 Tensile strength: >45 N/mm² (DIN 53455)
 Hardness, Shore D: 75-85 (DIN 53505)
 Impact strength (23°C): 40-50 KJ/m (DIN 53453)
 Force of impact (23°C): Without breakage. (KJ/m) (53453)
 Elongation: 10-20 % (DIN 53455)
 Decomposition temperature: >150°C
 Weather ability: Good.

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10. Stability and reactivity

Stability:	The product is stabile under normal conditions.
Conditions to avoid:	Avoid contact with heat sources, sparks and open fire. Overheating can cause thermal decomposition that occurs at temperatures exceeding 200°C. Chemicals to avoid are oxidising agents and strong acids.
Thermal decomposition products:	Carbon monoxide and hydrogen chloride.

11. Toxicological information

Acute toxicity; consumption:	-
Acute effect; inhalation, contact with skin, eye-contact:	The material is considered to be non-toxic in standard toxicological and eco-toxicological tests. It is considered to be biologically inactive.
Special effects:	-

12. Ecological information

Movement in air, soil and water:	Due to the consistence the product is not miscible in water and is not expected to be mobile in soil. Movement in air due to evaporation is not likely to occur.
Decomposition:	Biological decomposition is very slow.
Bioaccumulation ability:	The product is not expected to have mentionable bioaccumulation.
Ecological toxicity:	-

13. Disposal considerations

Waste treatment:	Follow local area regulations.
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14. Transport information

Road / Marine / Flight:	Labelling is not required.
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15. Regulatory information

Labelling and classifying:	Labelling is not needed.
Registration:	-

16. Further information

The information's contained herein are based on the present state of our and our suppliers' knowledge and experience. It is given in good faith but no warranty expressed or implied with respect to the quality and properties of our product is made.

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