www.divure.co.za

DIVERSE URETHANES

(Reg No. 2009/210498/23)

2A High Street
Modderfontein, Gauteng

Tel: 011 608-2584
Fax: 011 608-2593

Data Sheet Diverse IS 0112

1. INTRODUCTION:

Diverse IS 0112 is a CFC-free unpigmented polyether polyol blend recommended for use with the MDI 30M, in the production of moulded integral skin polyurethane parts, such as office furniture armrests or automotive headrests.

2. TYPICAL LIQUID PROPERTIES:

Appearance	:	Clear liquid
Specific Gravity	:	1,025
Viscosity	:	450cps

3. PROCESSING DETAILS:

Mixing ratio	:	100 : 47 Diverse IS 0112 : MDI 30M
Reaction rate	:	(20°C, hand mix) (Reef altitude)
Cream time	:	20 seconds
End of Rise Time	:	55 - 60 seconds
Free rise density	:	85 - 99 kg/m^3

4. STORAGE RECOMMENDATIONS:

Storage Temperature - Below 25°C.

Storage Pressure - atmospheric.

General - Keep container closed when not in use. Store in cool, well ventilated place out of direct sunlight and away from incompatible material (See Stability and Reactivity - Safety Data Sheet).

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This blend should be protected from contamination or loss of ingredients by evaporation or spillage by keeping containers properly sealed. It is necessary to mix Diverse IS 0112 prior to use, as compounded ingredients do separate on standing.

This product contains HCFC 141b which boils at 26 - 32°C (depending on altitude). Drums should remain properly sealed when not in use to prevent loss of the HCFC 141b by evaporation, which could result in higher foam densities for a given formulation. Drums of this product should not be subjected to high temperatures otherwise excessive pressure may develop. For prolonged storage it is recommended that the temperature should not exceed 20°C. Under these conditions the loss of HCFC 141b is expected to be negligible, and no difficulty should arise through pressure generation. The storage life of the product is six months.

5. FIRE AND EXPLOSION HAZARDS:

This material is not readily ignited but like most organic materials it will burn if involved in a fire.

6. HEALTH CONSIDERATIONS:

Consideration of the composition of this product, coupled with several years experience in the manufacture and use of similar products, indicates that it does not present a significant health hazard to users.

Normal standards of industrial hygiene should, however, be observed when handling this material and suitable clothing and eye protection must be worn. Should the material be splashed on the skin or in the eyes it should be removed promptly by copious irrigation with clean water. Following eye contamination, it is a suitable precaution to have the person affected medically examined.

7. WASTE DISPOSAL

The recommended procedure for disposing of waste polyol blend is either burying on an approved tip or burning under carefully controlled conditions. However, customers are advised to check their local, provincial or national legislation governing the disposal of waste materials.

8. SPILLAGES

Excessive spillages should be contained by, and covered with, large quantities of sand, earth or similar absorbent material which is then brushed in vigorously to assist in absorption. The mixture can then be shovelled up into drums or plastic bags, and disposed of as described in the previous section.

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9. The information provided in this data sheet and otherwise supplied to users, is based on our general experience and upon tests which are believed to be reliable. However, because we have no control over the exact manner in which the information is used, we cannot guarantee the results to be obtained. Furthermore, we make no express or implied warranty of merchantability or fitness of the product for a particular purpose.

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SAFETY DATA SHEET

DIVERSE IS 0112

IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY/UNDERTAKING:

Product Name : Diverse IS 0112

Address/Tel.No. : Diverse Urethanes
2A High Street
Modderfontein
Tel 0116082584

COMPOSITION/INFORMATION ON INGREDIENTS:

PRODUCT DESCRIPTION		POLYOL BLEND		
HAZARDOUS INGREDIENT(S)	**CAS NO.**	**%(w/w)**	**SYMBOL**	**R PHRASES**
POLYISOCYANATE POLYADDITION POLYOL	-	>50	Xi	R43

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HAZARDS IDENTIFICATION:

May cause sensitisation by skin contact.

FIRST AID MEASURES:

Inhalation : Remove patient from exposure

Skin contact : Wash immediately with water followed by soap and water. If symptoms (irritation or blistering) persist, obtain medical attention. Contaminated clothing should be laundered before re-issue.

Eye Contact : Irrigate with eyewash solution or clean water, holding the eyelids apart, for at least 10 minutes. Obtain medical attention.

Ingestion : Provided the patient is conscious, wash out mouth with water and give 200-300 ml (half a pint) of water to drink. Do not induce vomiting.

Further Medical

Treatment : Symptomatic treatment and supportive therapy as indicated.

FIRE-FIGHTING MEASURES:

Not classed as flammable.

If involved in a fire, it may emit noxious and toxic fumes.

Extinguishing Media : Normal

Fire Fighting Protective Equipment : Full protective equipment including suitable respiratory protection.

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ACCIDENTAL RELEASE MEASURES:

Ensure full personal protection during removal of spillages.

Absorb spillages onto sand, earth or any suitable absorbent material.

Transfer to a container for disposal.

Wash the spillage area clean with water and detergent.

HANDLING AND STORAGE:

Handling : No special precautions required.

Storage : This material is hygroscopic. Avoid ingress of moisture by keeping containers properly sealed when not in use.

EXPOSURE CONTROLS/PERSONAL PROTECTION:

Wear suitable gloves and eye/face protection

Occupational Exposure Limits

	LTEL		8hr TWA		STEL		Time
HAZARDOUS INGREDIENT(S)	**ppm**		**mg/m³**	**ppm**	**mg/m³**	**mins**	

No Occupational Exposure Limit Assigned.

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PHYSICAL AND CHEMICAL PROPERTIES

Form	:	Water white liquid
Flash Point	:	>250°C (Closed Cup)

STABILITY AND REACTIVITY

Hazardous Reactions

None

Hazardous Decomposition Products

1. None at ambient temperature.
2. Hydrogen chloride, phosgene, chlorine, carbon dioxide and carbon monoxide.

General

Stable.

Incompatible Materials and Conditions to Avoid

Reactive alkali metals, strong acids and bases i.e. Potassium Hydroxide.

TOXICOLOGICAL INFORMATION:

This health hazard assessment is based on a consideration of the composition of this product.

Inhalation : Unlikely to be hazardous by inhalation because of the low vapour pressure of the material at ambient temperature.

Skin Contact : Slight/mild irritant.

May cause sensitisation by skin contact.

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Eye Contact : Slight/mild irritant.

Ingestion : Low oral toxicity.

ECOLOGICAL INFORMATION:

No information available.