



**Divine Chemicals Company**  
Innovating Chemistry

### Dyipol:

**Semi-synthetic fatliquor;** Based on synthetic and vegetable oil, imparts good penetration, excellent softness, good fullness and slightly waxy surface feel. Suitable for all types of leather.

**Synthetic fatliquor;** Based on synthetic esters, hydrocarbons, imparts lightweight, lightfastness, good penetration, excellent softness, good fullness and slightly waxy surface feel. electrolyte stable, can disperse tanning material, vegetable tanning, untreated oils, syntans and dyes. Suitable for all types of leather.

**Free oil;** Based on Synthetic neetsfoot and sperm oil, imparts softness, good grain lubrication, body and helps to reduces risk of grain crackness. Suitable for all types of leather.

### Semi-Synthetic Fatliquor

Product	Base	Appearance	Total Solids %	pH / Charge	Uses / Benefits
<b>Dyipol SSF-65</b>	Based on Synthetic and vegetable oil	Clear brown liquid	60± 2	7.0-9.0 / Nonionic	<b>Dyipol SSF-65</b> forms fine emulsion with hot and cold water, it penetrates well into leather, imparts good softness, fullness, and grain lubrication, very good feel and roundness. <b>Dyipol SSF-65</b> also imparts good value to chrome and vegetable tanned leathers. <b>Dyipol SSF-65</b> helps in imparting good printing effect to the leather. <b>Dyipol SSF-65</b> has good stability and very good compatibility when mixed with other fatliquoring agents. <b>Dyipol SSF-65</b> can be applied as main fatliquor or in combination with other fatliquors as per the requirement. <b>Dyipol SSF-65</b> can be used for all types of full grain and corrected grain, Chrome tanned and vegetable tanned leathers. <b>Dyipol SSF-65</b> for all types of leather, particularly uppers, lining, and highly vegetable tanned leathers. <b>Dyipol SSF-65</b> can be used 2-8 % depending on type of leather to be produced.
<b>Dyipol SSF-63</b>	Based on Synthetic and vegetable oil	Brown liquid	50± 2	7.0-9.0 / Nonionic	<b>Dyipol SSF-63</b> forms fine emulsion with hot and cold water, it penetrates well into leather, imparts good softness, fullness, and grain lubrication, very good feel and roundness. <b>Dyipol SSF-63</b> also imparts good value to chrome and vegetable tanned leathers. <b>Dyipol SSF-63</b> helps in imparting good printing effect to the leather. <b>Dyipol SSF-63</b> has good stability and very good compatibility when mixed with other fatliquoring agents. <b>Dyipol SSF-63</b> can be applied as main fatliquor or in combination with other fatliquors as per the requirement. <b>Dyipol SSF-63</b> can be used for all types of full grain and corrected grain, Chrome tanned and vegetable tanned leathers. <b>Dyipol SSF-63</b> for all types of leather, particularly uppers, lining, and highly vegetable tanned

					leathers. <b>Dyipol SSF-63</b> can be used 2-8 % depending on type of leather to be produced.
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## Synthetic Fatliquor

Product	Base	Appearance	Total Solids %	pH / Charge	Uses / Benefits
<b>Dyipol SP-82</b>	Sulphited synthetic ester	Brownish liquid	60± 2	7.0-8.0 / Anionic	<b>Dyipol SP-82</b> imparts properties similar to sperm oil fatliquors, it imparts good softness, light weight, waxy feel coupled with fullness without making the leather loose. <b>Dyipol SP-82</b> has good penetration power hence imparts excellent uniform inner softness to softy, nappa, garment, upper & gloving leather. <b>Dyipol SP-82</b> is lightfast and is suitable for producing pastel shades and has no tendency to discolor the leather. Suitable for all types of leather, It can be used 2-8 % depending on type of leather to be produced.
<b>Dyipol GLS-64</b>	Reaction of partially hydrocarbons with special softner and additive	Light brown liquid	50± 2	7.0-8.5 / Nonionic	<b>Dyipol GLS-64</b> ensures well balanced fatliquoring effect throughout the cross section of leather and imparts excellent softness, lightfastness, dispersion and lightweight. <b>Dyipol GLS-64</b> is electrolyte stable product imparts dry feel to the surface with better buffing properties with short and even nap, which makes it most suitable for nubuck, suede and corrected grain leathers. Suitable for all types of chrome and vegetable tanned leathers. <b>Dyipol GLS-64</b> can be used for dispersion of tanning, retanning, syntans and fatliquors, It can be used in pickle, chrome and retanning bath for better penetration and uptake. It can be used 2 - 7 % depending on type of leather to be produced and result desired.
<b>Dyipol SFE-78</b>	Synthetic fatty ester and hydrocarbon	Reddish brown liquid	60± 2	7.0-8.5 / Anionic	<b>Dyipol SFE-78</b> is synthetic; lightfast fatliquor produces micro emulsion as a result of which uniform penetration can be achieved. It imparts balanced fatliquoring effect with excellent softness and fullness. Leather treated with <b>Dyipol SFE-78</b> is light weight, lightfast and has nourished feel. Suitable for fatliquoring chrome tanned and vegetable tanned leathers. <b>Dyipol SFE-78</b> is suitable for all types of leather, It can be used 3-15 % depending on type of leather to be produced and result desired.
<b>Dyipol ESF-86</b>	Sulfonated synthetic ester oil	Reddish brown liquid	60± 2	7.5-8.5 / Anionic	<b>Dyipol ESF-86</b> is fully synthetic lightweight, lightfast highly penetrative fatliquoring agent imparts excellent softness, good fullness and slightly waxy surface feel. It is electrolyte stable and can disperse untreated oils, syntans and dyes. <b>Dyipol ESF-86</b> penetrates very well into the leather, even without the additional use of other oils, a well balanced fatliquoring effect throughout the cross section of leather is obtained. Suitable for all types of soft leather, It can be used 3-15 %
<b>Dyipol ESF-94</b>	Synthetic ester oil	Reddish brown liquid	70± 2	7.5-8.5 / Anionic	<b>Dyipol ESF-94</b> is lightweight; lightfast highly penetrative fatliquoring agent imparts excellent inner softness, good fullness and slightly waxy surface feel. It is electrolyte stable and can disperse untreated oils, syntans and dyes.

					<b>Dyipol ESF-94</b> penetrates very well into the leather, even without the additional use of other oils, a well balanced fatliquoring effect throughout the cross section of leather is obtained. Suitable for all types of soft leather, It can be used 3-15 %
<b>Dyipol GLH-62</b>	Combination of synthetic oils with surface active agents	Light brown liquid	50± 2	7.0-8.5 / Nonionic	<b>Dyipol GLH-62</b> is electrolyte and acid stable product imparts good softening and lubricating effect and lightweight. <b>Dyipol GLH-62</b> is lightfastness imparts dispersion dry feel to the surface with better buffing properties with short and even nap, which makes it most suitable for nubuck, suede and corrected grain leathers. Suitable for all types of chrome and vegetable tanned leathers. <b>Dyipol GLH-62</b> is only partially extractable. In the drum the tendency is less for tangling and rubbing resulting into flat wet blue. When <b>Dyipol GLH-62</b> is used in tanning and rechroming it reduces wrinkles and growth marks, thereby flat wet blue is obtained, when the same wet blue is sammed, splitted, shaved and wet backed it results into uniform wet back effect due to which trimming is less resulting into ultimate gain in the area of finished leather. During manual operation and storage of wet blue there is tendency of drying of edges particularly in belly, flanks and shank areas, after shaving and wetback operation these areas does not wetback properly due to over dry edges, due to which most of the time these areas are trimmed off, resulting into area loss, when the <b>Dyipol GLH-62</b> treated wet blue is passed through the same operation it wets back easily thereby avoid trimming and hence result into better area yield. When used in pickling and tanning operation it fastens the process, helps in natural fat dispersion and improves the tensile strength. The mechanical working is also improved, for example buffing and samming. <b>Dyipol GLH-62</b> can be used for dispersion of tanning, retanning, syntans and fatliquors and leveling of dyes, It can be used in pickle chrome and rechrome bath for better penetration and uptake. It can be used 1- 7 % depending on type of leather.
<b>Dyipol LWS-85</b>	Aliphatic hydrocarbons and alcohols sulfonated by special method	Reddish brown liquid	60± 2	7.5-8.5 / Anionic	<b>Dyipol LWS-85</b> is lightweight; lightfast highly penetrative fatliquoring agent imparts excellent softness, elastic grain good fullness, and good fluffiness, round feel, good mellowness and nice surface touch. It is electrolyte stable and can disperse untreated oils, syntans and dyes. <b>Dyipol LWS-85</b> yields very soft and fuller leather with excellent lightfastness, which can be finished without any difficulties, they are fast to washing and dry cleaning. <b>Dyipol LWS-85</b> penetrates very well into the leather, even without the additional use of other oils; a well balanced fatliquoring effect throughout the cross section of leather is obtained. Suitable for all types of soft leather, It can be used 3-15 % depending on type of leather to be produced.
<b>Dyipol AXN-87</b>	Synthetic lubricant and aliphatic	Medium brown liquid	70± 2	7.5-8.5 / Anionic	<b>Dyipol AXN-87</b> is capable to impart good grain lubrication with grain tightness; uniform deep penetration. It imparts lightfastness, excellent softness, with waxy touch and full handle without making the leather loose. <b>Dyipol AXN-87</b>

	hydrocarbons				penetrates very well into the leather; even without the additional use of other oils a well balanced fatliquoring effect throughout the cross section of leather is obtained. <b>Dyipol AXN-87</b> is versatile fatliquor suitable for all types of leather such as upper, softy, nappa, garment, suede, nubuck and industrial leathers. <b>Dyipol AXN-87</b> is very good fatliquoring agent for chrome tanned and vegetable tanned leathers. It can be used either alone or in combination with other fatliquors to get desired softness, fullness, and other properties. Suitable for all types of soft leather. It can be used 3-10 % depending on type of leather to be produced.
<b>Dyipol XAF-88</b>	Synthetic product with special emulsifier and wax	Brownish paste	75± 2	7.0-8.0 / Nonionic	<b>Dyipol XAF-88</b> is capable of good grain lubrication with grain tightness; uniform deep penetration hence imparts lightfastness, very good softness, with waxy touch and full handle without making the leather loose. <b>Dyipol XAF-88</b> can be diluted with warm water, penetrates very well into the leather, even without the additional use of other oils, a well balanced fatliquoring effect throughout the cross section of leather is obtained. <b>Dyipol XAF-88</b> is versatile fatliquor suitable for all types of leather such as upper, softy, nappa, garment, suede, nubuck and industrial leather. <b>Dyipol XAF-88</b> is very good fatliquoring agent for chrome tanned and vegetable tanned leathers. It can be used either alone or in combination with other fatliquors to get desired softness, fullness, and other properties. Suitable for all types of soft leather, It can be used 3-10 % depending on type of leather to be produced and result desired.
<b>Dyipol PXL-84</b>	Synthetic fatliquor based on aliphatic hydrocarbon	Medium brown liquid	70± 2	6.5-8.5 / Anionic	<b>Dyipol PXL-84</b> is versatile synthetic fatliquor suitable for all types of leather such as upper, softy, nappa, garment, suede, nubuck and industrial leather. <b>Dyipol PXL-84</b> is capable of uniform deep penetration hence imparts good softness, waxy touch good body and mellow handle without making the leather loose. <b>Dyipol PXL-84</b> penetrates very well into the leather. Even without the additional use of other oils, a well balanced fatliquoring effect throughout the cross section of leather is obtained. <b>Dyipol PXL-84</b> renders leather with excellent nourishment, produces leather with tight grain and free of rancidity, avoids spue formation on leather. <b>Dyipol PXL-84</b> is very good fatliquoring agent for chrome tanned and vegetable tanned leathers. Suitable for all types of soft leather. It can be used 3-10 %.
<b>Dyipol ESO-71</b>	Sulphited long chain compound and synthetic ester	Yellowish brown liquid	60± 2	7.0-8.0 / Anionic	<b>Dyipol ESO-71</b> forms fine emulsion, highly penetrative fatliquor imparts excellent softness, round feel and pleasant touch. The leathers which are treated with <b>Dyipol ESO-71</b> are light weight and can be finished without any problem. <b>Dyipol ESO-71</b> is very good fatliquoring agent for chrome tanned and vegetable tanned leathers. Suitable for all types of soft leather, It can be used 3-10 %.
<b>Dyipol LGS-95</b>	Combination of sulpho-chlorinated paraffin	Brownish liquid	60± 2	7.0-8.0 / Anionic	<b>Dyipol LGS-95</b> is a versatile fatliquor which produces leather of extreme softness and tight fine grain with good lightfastness. It imparts sound body, round feel and smooth touch to the leather. <b>Dyipol LGS-95</b> is multipurpose

	and high molecular weight hydrocarbon				fatliquor ideal for grain lubrication, it gives softness to the leather without any looseness, hence suitable for upper, softy, nappa, garment, gloving and suede. It can be used 2-7 % depending on type of leather to be produced.
<b>Dyipol PXI-92</b>	Sulpho-chlorinated long chain high molecular hydrocarbons and synthetic emulsifier	Light brown liquid	70± 2	7.0-8.0 / Anionic	<b>Dyipol PXI-92</b> is high performing synthetic fatliquor imparts rich softness, with waxy handle. Leathers treated with <b>Dyipol PXI-92</b> have excellent fiber lubrication, good grain tightness; uniform deep penetration, good softness, with waxy touch and full handle without making the leather loose. It penetrates very well into the leather; even without the additional use of other oils a well balanced fatliquoring effect throughout the cross section of leather is obtained. <b>Dyipol PXI-92</b> is suitable for all types of leather such as gloving, upper, softy, nappa, garment, suede, nubuck and industrial leather. It is very good fatliquoring agent for chrome tanned and vegetable tanned leathers. It can be used either alone or in combination with other fatliquors to get desired softness, fullness, and other properties. Suitable for all types of soft leather. It can be used 3-10 %.
<b>Dyipol GLO-74</b>	Synthetic and ester oil	Brownish liquid	60± 2	7.0-8.0 / Anionic	<b>Dyipol GLO-74</b> has good penetration properties, enhances softness, fullness, uniform grain, supple feel and gives the leather a smooth pleasing handle especially when used in the main fatliquoring combination. <b>Dyipol GLO-74</b> penetrates very well into the leather, even without the additional use of other oils; a well balanced fatliquoring effect throughout the cross section of leather is obtained with very good inner softness. <b>Dyipol GLO-74</b> is versatile fatliquor suitable for all types of leather such as gloving, upper, softy, nappa, garment, suede, nubuck and industrial leather. It can be used 3-12 % depending on type of leather to be produced.
<b>Dyipol GOL-75</b>	Synthetic and ester oil	Brownish liquid	50± 2	7.0-8.0 / Anionic	<b>Dyipol GOL-75</b> has good penetration properties, enhances softness, fullness, uniform grain, supple feel and gives the leather a smooth pleasing handle especially when used in the main fatliquoring combination. <b>Dyipol GOL-75</b> penetrates very well into the leather, even without the additional use of other oils; <b>Dyipol GOL-75</b> imparts a well balanced fatliquoring effect throughout the cross section of leather. Leather produced with <b>Dyipol GOL-75</b> has very good inner softness. <b>Dyipol GOL-75</b> is versatile fatliquoring agent suitable for all types of leather such as gloving, upper, softy, nappa, garment, suede, nubuck and industrial leather. <b>Dyipol GOL-75</b> is also suitable for vegetable tanned leathers. It can be used 3-18 % depending on type of leather to be produced and result desired.
<b>Dyipol ESP-60</b>	Sulfonated synthetic ester oil	Reddish brown liquid	40± 2	7.5-8.5 / Anionic	<b>Dyipol ESP-60</b> is lightweight, lightfast highly penetrative fatliquoring agent imparts excellent softness, good fullness and slightly waxy surface feel. It is electrolyte stable and can disperse untreated oils, syntans and dyes. <b>Dyipol ESP-60</b> penetrates very well into the leather, even without the additional use of other oils, a well balanced fatliquoring effect throughout the cross section of leather is obtained. Suitable for all types of soft leather, It can be used 3-10 %
<b>Dyipol GLL-70</b>	Synthetic and	Thick liquid	40± 2	7.0-8.0 / Anionic	<b>Dyipol GOL-70</b> has good penetration properties, enhances softness, fullness, uniform grain, supple feel and gives the

	ester oil				leather a smooth pleasing handle especially when used in the main fatliquoring combination. <b>Dyipol GLL-70</b> penetrates very well into the leather, even without the additional use of other oils; <b>Dyipol GLL-70</b> imparts a well balanced fatliquoring effect throughout the cross section of leather. Leather produced with <b>Dyipol GLL-70</b> has very good inner softness. <b>Dyipol GLL-70</b> is versatile fatliquoring agent suitable for all types of leather such as gloving, upper, softy, nappa, garment, suede, nubuck and industrial leather. <b>Dyipol GLL-70</b> is also suitable for vegetable tanned leathers. It can be used 3-10 % depending on type of leather to be produced and result desired.
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## Free Oil

Product	Base	Appearance	Total Solids %	pH / Charge	Uses / Benefits
<b>Dyipol LCS-99</b>	Emulsified liquid hydrocarbon	Pale yellow clear liquid	98± 2	7.0-8.0 / Nonionic	<b>Dyipol LCS-99</b> is self emulsifiable, synthetic free oil with very good lightfastness. When it is used in the main fatliquor for softer leather it imparts waxy touch and silky feel. <b>Dyipol LCS-99</b> imparts brilliant sheen to suedes and nubucks and good burnishing effect when used for burnish leather. <b>Dyipol LCS-99</b> imparts good grain lubrication and helps to avoid grain crackness. When used for vegetable tanned leathers it helps to avoid oxidation and spue formation. <b>Dyipol LCS-99</b> can be used in the manufacturing of leather board to impart good lubrication, strength, and helps to avoid crackness as it retains moisture. Suitable for all types of leather, It can be used 1-4 % depending on type of leather to be produced and result desired.
<b>Dyipol BSK-100</b>	Synthetic oil	Pale yellow clear liquid	98± 2	7.0-8.0 / Anionic	Lightfast synthetic oil, substitute of raw neetsfoot oil. <b>Dyipol BSK-100</b> is insoluble in water, imparts properties close to natural neetsfoot oil with regard to cold crack resistance and better affinity to the leather. <b>Dyipol BSK-100</b> can be used in leather board manufacturing for improving the tensile strength. It imparts good lubrication to the fiber and also helps in providing moisture to the fiber. <b>Dyipol BSK-100</b> imparts good grain lubrication, nourished feel and roundness and improved setting property and gives good body to the leather. <b>Dyipol BSK-100</b> helps in reducing the chances of grain crackness. <b>Dyipol BSK-100</b> can be mixed with water-soluble fatliquors in required proportion first and then stirred well prior to dilution with hot water(approx. 60°C) it can be used in combination with other anionic fatliquors as per desired effect, it helps to reduce the water absorption of leather. Suitable for all types of chrome and vegetable tanned leathers. It can be used 1-3 % depending on type of leather to be produced and result desired.
<b>Dyipol SSO-110</b>	Synthetic sperm oil	Yellow brown clear liquid	98± 2	7.0-8.0 / Anionic	<b>Dyipol SSO-110</b> is synthetic oil, substitute of natural sperm oil. <b>Dyipol SSO-110</b> is insoluble in water, imparts properties close to natural sperm oil with regard to cold crack resistance and better affinity to the leather. It imparts good lubrication to the fiber and also helps in providing moisture to the fiber. <b>Dyipol SSO-110</b> imparts good grain

					lubrication, mellow handle, nourished feel, roundness, improved setting property and good body to the leather. <b>Dyipol SSO-110</b> helps in reducing the chances of grain crackness. <b>Dyipol SSO-110</b> can be mixed with water-soluble fatliquors in required proportion first and then stirred well prior to dilution with hot water(approx. 60°C) it can be used in combination with other anionic fatliquors as per desired effect Suitable for all types of chrome and vegetable tanned leathers. It can be used 1-2 % depending on type of leather to be produced and result desired.
<b>Dyipol SNO-120</b>	Emulsified synthetic neetsfoot oil	Pale yellow clear liquid	98± 2	5.5-7..5 / Nonionic	<b>Dyipol SNO-120</b> is self emulsifiable, synthetic neetsfoot oil with very good lightfastness. When it is used in the main fatliquor for softer leather it imparts waxy touch and silky feel. <b>Dyipol SNO-120</b> imparts brilliant sheen to suedes and nubucks and good burnishing effect when used for burnish leather. <b>Dyipol SNO-120</b> imparts good grain lubrication and helps to avoid grain crackness. When used for vegetable tanned leathers it helps to avoid oxidation and spue formation. <b>Dyipol SNO-120</b> can be used in the manufacturing of leather board to impart good lubrication, strength, and helps to avoid crackness as it retains moisture. Suitable for all types of leather. It can be used 1-3 % depending on type of leather to be produced and result desired.

**Dyisol, Dytan, Dycotan, Dycryltan, Dysyntan, Dyfill, Dyifix, Dyimol, Dyisoft, Dyipol, Dyilix and Dyauxl are Trade Mark and Brand Names of Divine Chemicals Company**

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