



DISTRIBUTION OPERATING STANDARDS

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EXHIBIT V

COMPATIBILITY GUIDE

To assist in determining which Dow products are suitable to ship in multi-compartmented tank trucks under HM-183/183A

December, 1991

See following pages for examples of each category

		Compatible Cargo		Non-compatible Cargo - DO NOT SHIP			
Non-oxidizing Mineral Acids	Non-oxidizing Mineral Acids						
	Organic Acids						
Organic Acids	Caustics						
Caustics	Aliphatic Amines						
Aliphatic Amines	Alkanol Amines						
Alkanol Amines	Aromatic Amines						
Aromatic Amines	Isocyanates						
Isocyanates	Acrylates						
Acrylates	Epoxides (Alkyene Oxides)						
Epoxides (Alkyene Oxides)	Aldehyde, Ketones						
Aldehyde, Ketones	Alcohols, Glycols						
Alcohols, Glycols	Phenols, Cresols						
Phenols, Cresols	Aromatic Hydrocarbons						
Aromatic Hydrocarbons	Misc. Hydrocarbon Mixtures						
Misc. Hydrocarbon Mixtures	Esters						
Esters	Halogenated Hydrocarbons						
Halogenated Hydrocarbons	Ethers						
Ethers	Nitro Compounds						
Nitro Compounds	Misc. Water Solutions						
Misc. Water Solutions	Polymerizable Monomers & Olefins						
Polymerizable Monomers & Olefins	Latex Formulations						
Latex Formulations	Aqu. Inorganic Lewis Type Acids						
Aqu. Inorganic Lewis Type Acids	Heat						
Heat							

NOTE: This guide is intended to serve as a general reference only. The Guide does not contain a complete list of all materials or categories. Compatibility determinations may be necessary for materials not shown in this Guide.

The information contained in the Guide is presented in good faith and is believed to be accurate as of December 1991. NO warranties of any kind are made or intended with respect to the information presented. Users are cautioned to also consider other information and experiences which they may have had regarding the compatibility of specific materials. Questions regarding specific Dow products may be addressed to the Customer Service Center; 1-800-232-CHEM.

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DOW PRODUCTS

Acetic Acid - organic acid
Acetone - ketone
Acrylamide - miscellaneous water solution and polymerizable monomer
Aircraft Deicing Fluids - not allowed in mixed trailers
AMBITROL* - alcohol/glycol and miscellaneous water solution
Antifreeze - alcohol/glycol and miscellaneous water solution
Brake Fluid - ether and alcohol/glycol
Caustic Soda - caustics
Chlorinated Solvents - halogenated hydrocarbons
D.E.N.* - epoxides
D.E.R.* - epoxides
DALPAD* - alcohol/glycol and ether
DERAKANE* - ester and polymerizable monomer
Dienes - polymerizable monomers & olefins
Divinylbenzene - polymerizable monomers & olefins and aromatics
DOWANOL* PM acetate - ether and ester
DOWANOL products - ethers and alcohol/glycol
DOWFAX* - aromatics, organic acids
DOWFROST* - alcohol/glycol and miscellaneous water solution
DOWFROTH* - alcohol/glycol and ether
DOWTHERM* - aromatic hydrocarbon
DOWTHERM SR.1 - miscellaneous water solution
Ethanolamines (MEA, DEA, TEA & AEEA) - alkanolamines
Ethylene Glycols (EG, DEG, TEG) - alcohol/glycol
Ethylenediamine (EDA, DETA, TETA, TEPA, E100, AEP, AEEA) - aliphatic amine
GARLON** - aromatic amine
Glycerine - alcohol/glycol
Glycol P - alcohol/glycol
Hydrochloric Acid - nonoxidizing mineral acids
Hydroxy Propyl Acrylate - ester and polymerizable monomer
Hydroxyl Ethyl Acrylate - ester and polymerizable monomer
ISONATE* - isocyanate
Isopropanol Amines (MIPA, DIPA, TIPA) - alkanolamine
Latex - miscellaneous water solution and latex formulation
Magnesium Hydroxide (MHT) - aqueous inorganic Lewis Type acid
MDI - isocyanate
Methyldiethanolamine - alkanolamine
Monochloro Acetic Acid - organic acid and halogenated
Muratic Acid - nonoxidizing mineral acids
N-SERVE** - aromatic amine

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DOW PRODUCTS (continued)

PAPI* - isocyanate
Phenol - phenol/cresols
Polyglycols - alcohol/glycol
Propylene Glycols (PG, DPG, TPG) - alcohol/glycol
Styrene - polymerizable monomers & olefins and aromatic
TDI - isocyanate
TELONE* - halogenated hydrocarbon
VERSENE*, VERSENL*, VERSENEX* - miscellaneous water solution
Vinyl Toluene - polymerizable monomers & olefins and aromatic
VORANATE* - isocyanate
VORANOL* - alcohol/glycol

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NON-DOW PRODUCTS

Benzene - aromatic hydrocarbon
Butanol - alcohol/glycol
Butyl Acetate - ester
Cyclohexanol - alcohol/glycol
Ethanol - alcohol/glycol
Ethyl Acetate - ester
Ethyl Ketone - ketone
Ethylamines - aliphatic amines
Hexane - miscellaneous hydrocarbon
Isophorone - ketone
Isopropyl Alcohol - alcohol/glycol
Kerosine - miscellaneous hydrocarbon
Methanol - alcohol/glycol
Methyl Ethyl Ketone - ketone
Methyl Isobutyl Ketone - ketone
Methylamines - aliphatic amines
Naphtha - aromatic hydrocarbon
Phosphoric Acid - non-oxidizing mineral acid
Plasticizers - ester
Propanol - alcohol/glycol
Toluene - aromatic hydrocarbon
Vinyl Acetate - ester
White Oil - miscellaneous hydrocarbon mixtures
Xylene - aromatic hydrocarbon



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PRODUCT FAMILIES

Not all inclusive and some products may be repeated in multiple categories.

Non-Oxidizing Mineral Acids - HCL (muriatic acid), phosphoric acid, sulfamic acid

Organic acids - Acetic, acetic anhydride, formic, cresylic, propionic, monochloro acetic

Caustics - Sodium hydroxide, potassium hydroxide, magnesium hydroxide, ammonium hydroxide

Aliphatic Amines - Ethylenediamine (total ethyleneamine family), AEEA, ethylamines, methylamines, isopropylamines, morpholine, butylamines

Alkanolamines - Ethanolamines, (MEA, DEA, TEA), isopropanolamines, (MIPA, DIPA, TIPA), methyldiethanolamine

Aromatic Amines - Aniline, N-Serve**, GARLON**

Isocyanates - TDI, MDI, mixtures containing these (i.e. VORANATE*), PAPI*

Epoxy Resins*** - D.E.R.* series (and equivalents)

Aldehydes & Ketones - Acetone, methyl ethyl ketone, MIBK, isophorone, cyclohexanone, diacetone alcohol, formaldehyde

Alcohols, Glycols - Methanol, ethanol, propanol, isopropanol, butanol, DOWANOL* products (and equivalents), cyclohexanol, ethylene glycols (mono, di, tri), propylene glycols (mono, di, tri), polyglycols, VORANOL*, glycerine

Phenols, Cresols - Phenol, O-Cresol

Aromatic Hydrocarbons - Benzene, toluene, xylene, ethyl benzene, TBX, naphtha

Miscellaneous Hydrocarbons - Kerosine, mineral oil, paint solvents, Py gas

Esters - Ethyl acetate, butyl acetate, DOWANOL PM acetate (other glycol ether acetates), ethyl acrylate, plasticizers

Halogenated Hydrocarbons - Chlorinated solvents, methylene chloride, perchloroethylene, monochlorobenzene, TELONE**, 1,1,1-trichloroethane

Ethers - DOWANOL products (and equivalents), isopropyl ether, diethyl ether, brake fluids, DOWFROTH*

Nitro Compounds - Nitrophenol, nitroaniline, nitromethane

Miscellaneous Water Solutions - Coolants, formaldehyde solutions, DOWFROTH*, DOWTHERM* SR.1, emulsions, LIQUIDOW*, VERSENE*, AMIBTROL*, latex formulations

Polymerizable Monomers & Olefins - Styrene, vinyltoluene, divinylbenzene, dicyclopentadiene, vinyl acetate, acrylates

Latex Formulations - All latexes, acrylic and styrenic

Aqueous-Inorganic Lewis Acids - $MgCl_2$ solutions, $CaCl_2$ solutions

Heat - Temperatures equal to or in excess of 55° degrees C (130° degrees F)

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*** Butylene oxide, propylene oxide and epichlorohydrin are not allowed for mixed loads!