

ALIPHATIC HYDROCARBONS									
Products	CAS No	SP 60°/60° F	Boiling Range (°C)	FL PT (°F)TCC	H	F	R	W	*
Heptane	142-82-5	0.695	92-100	15	1	3	0		
Hexane	110-54-3	0.675	65-70	<0	1	3	0		
Mineral Seal Oil	8012-95-1	0.695	254-318	265	1	1	0		
Mineral Spirits, Regular	8052-41-3	0.78	154-205	105	0	2	0		
Mineral Spirits, 66/3	8052-41-3	0.733	154-196	105	1	2	0		
Mineral Spirits, Odorless	8052-41-3	0.759	174-213	125	0	2	0		
VM + P Naphtha	8030-31-7	0.744	119-141	50	2	3	0		
140 Solvent	64742-49-0	0.785	188-288	142	2	2	1		
LPA Solvents	Hydrotreated Isoparaffins & Napthenics								
<b>Brands</b>	<b>Description</b>								
EXXSOL D40®	EXXSOL Products are:								
EXXSOL D60®	• Dearomatised hydrocarbon fluids								
EXXSOL D80®	• Boiling Ranges between 140 -310 c								
EXXSOL D110®	• Aromatic Content is below 1%								
ISOPAR®	Isoparaffinic fluids, Colorless & Odourless								
NORPAR®	Hydrocarbon Fluids with very high paraffin content								
EXXPRTS®	Repographics								
AROMATIC HYDROCARBONS									
Products	CAS No	SP 60°/60° F	Boiling Range (°C)	FL PT (°F)TCC	H	F	R	W	*
Aromatic 100	64742-95-6	0.876	152-177	105	1	2	0		
Aromatic 150	64742-94-5	0.893	177-216	142	1	2	0		
Aromatic 200	64724-94-5	1	232-275	203	1	1	0		
Toluene	1330-20-7	0.873	110-111	45	2	3	0		
Xylene	108-88-3	0.866	138-143	81	2	3	0		
ALCOHOLS									
Products	CAS No	SP 20°/20° F	Boiling Range (°C)	FL PT (°F)TCC	H	F	R	W	*
Benzyl Alcohol	100-51-6	1.04	205.3	199.4	1	1	0		
N-Butanol	71-36-3	0.811	116-119	97	1	3	0		
Cyclohexanol	108-93-0	0.946	160-163	140	1	2	0		
Linear Alcohols C6 thru C20+									
Ethanol 190 SDA, CDA, Pure*	* Details on back page								
Ethanol 200 SDA, CDA, Pure*	* Details on back page								
Iso-Butanol	78-83-1	0.803	107-109	86	1	3	0		
Isopropanol 91%	67-63-0	0.816	80-81	61	1	3	0		
Isopropanol 99%	67-63-0	0.786	82-83	53	1	3	0		
Methanol	67-56-1	0.791	64-65	54	3	3	1		
N-Propyl Alcohol	71-23-8	0.805	97.22	59	1	3	0		
Sec butyl Alcohol	78-92-2	0.81	97-99	75	1	3	0		
2- Ethyl Hexanol	104-76-7	0.834	182-186	164					

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CHLORINATED SOLVENTS									
Products	CAS No	SP 25°/25° C	Boiling Range (°C)	FL PT (°F)TCC	H	F	R	W	*
Methylene chloride	75-09-2	1.321	39.4-40.4	NONE	2	1	0		
Perchloroethylene	127-18-4	1.619	120-122	NONE	2	0	0		
Trichloroethylene	79-01-6	1.456	86-88	NONE	2	1	0		
GLYCOL ETHERS									
Products	CAS No	SP 20°/20° C	Boiling Range (°C)	FL PT (°F)TCC	H	F	R	W	*
EP Solvent	2807-30-9	0.913	150	120	0	3	0		
EEP Solvent	763-69-9	NA	170	138.2	2	2	0		
Solvent DB	112-34-5	0.95	231	214	1	2	1		
Solvent DE	110-80-5	0.991	135	196	2	2	3		
Solvent DM	111-77-3	1.01	193	192	2	2	0		
Solvent DPM	34590-94-8	0.85	190	172	0	2	0		
Solvent EB	111-76-2	0.9012	171.5	141.8	2	2	0		
Solvent PM	107-98-2	0.92	120.1	96.8	0	3	0		
Solvent TPM	25498-49-1	0.968	236-251	240	1	1	0		
Solvent PNB	5131-66-8	0.878	170	143.6					
Solvent DPNB	29911-28-2	0.91	230	100					
Solvent PNP	1569-01-3		150	118.4					
ACETATES									
Products	CAS No	SP 20°/20° C	Boiling Range (°C)	FL PT (°F)TCC	H	F	R	W	*
DB Acetate	124-17-4	0.954	245	214					
DPM acetate	88917-22-0	0.976	209	186	1	1	0		
EB Acetate	112-07-2	0.942	192	165	1	2	0		
Ethyl Acetate	141-78-6	0.902	77	24.1	1	3	0		
Ethyl Aceto Acetate	141-97-9	1.03	180.8	134.6	2	2	0		
PM Acetate	108-65-6	0.969	145	109	2	2	0		
Iso-Butyl Acetate	110-19-0	NA	117.2	64	1	3	0		
Iso Propyl Acetate	108-21-4	0.87	189	35.6	1	3	0		
N- Butyl Acetate	123-86-4	0.9	126.5	75	1	3	0		
N Propyl acetate	109-60-4	0.836	101.6	58	1	3	0		
Primary Amyl acetate	628-63-7	0.876	146	101	1	3	0		
2 Ethyl Hexyl Acetate	103-09-3	0.87	199	185	1	2	0		
KETONES									
Products	CAS No	SP 20°/20° C	Boiling Range (°C)	FL PT (°F)TCC	H	F	R	W	*
Acetone	67-64-1	0.79	55-56	-4	1	3	0		
Cyclohexanone	108-94-1	0.946	156-158	111	1	2	0		
Diacetone Alcohol	123-42-2	0.939	145-172	126	1	2	0		
Di- Isobutyl Ketone	108-83-8	0.809	163-173	120	1	2	0		
Methyl Ethyl Ketone	78-93-3	0.806	78-81	24	1	3	0		
Methyl Isobutyl Ketone	108-10-1	0.802	114-117	60	2	3	1		
AMINES									
Products	CAS No	SP 20°/20° C	Boiling Range (°C)	FL PT (°F)TCC	H	F	R	W	*
Amine Ethyl Ethanolamine	111-41-1		237 - 243 °C	144 °C	3	1	0		
Cyclohexylamine	108-91-8	0.868	134.5	83	3	3	0		
Diethanolamine	111-42-2	1.095	168-169 (30mm Hg)	280	1	1	0		
Diethylamine	109-89-7	0.71	55.5	0	3	3	0		
Diethylenetriamine	111-40-0	0.955	195-245	215	3	1	0		
Diethylethanolamine	108-01-0	0.885	162.1 324	120	2	2	0		
Di-Isopropanolamine	110-97-4	1.0038	249 - 250	258.8	3	1	0		

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AMINES						
Products	CAS No	SP 20°/20° C	Boiling Range (°C)	FL PT (°F)TCC	H	F R W*
Di-Isopropylamine	108-18-9	0.71	84	19.4	3	3 0
Dimethylethanolamine(DM)	108-01-0	0.888	134.6	103	3	2 0
Ethylene diamine	107-15-3	0.899	117.2	93.2	3	3 0
Isopropylamine	75-31-0	0.694	33.5	-31	3	4 3
Monoethanolamine	141-43-5	1.018	170.8	186.8	3	2 0
Monoisopropanolamine	78-96-6	0.962	158-165	165	3	0 0
Morpholine	110-91-8	1.004	126-130	96	3	3 0
Triethanolamine	102-71-6	1.126	190-193 (5mm Hg)	375	2	1 1
Triethylamine	121-44-8	0.73	89.7	171.1	3	3 0
Tri-Isopropanolamine	122-20-3	1	306	320	2	1 0

GLYCOLS/POLYOLS						
Products	CAS No	SP 20°/20° F	Boiling Range (°C)	FL PT (°F)TCC	H	F R W*
Diethylene Glycol	111-46-6	1.119	240-250	290	1	1 0
Dipropylene Glycol	25265-71-8	1.023	228-236	280	1	1 0
Ethylene Glycol	107-21-1	1.115	193-204	240	1	1 0
GlycerineNatural & Syn	56-81-5	1.2636	290	320	1	1 0
Hexylene Glycol	107-41-5	0.923	196-199	215	2	2 0
Polyethylene Glycol						
* E 200/E-8000						
Polyglycol 15-200						
Polyglycol PG -112-2(Anti Foam)						
Polypropylene Glycol						
* P-425/P4000						
Propylene Glycol	57-55-6	1.038	186-190	225	0	1 0
Triethylene Glycol	112-27-6	1.125	278-300	330	1	1 0
Tripropylene Glycol	24800-44-0	1.023	228-236	280	1	1 0

OTHER SOLVENTS						
Products	CAS No	SP 20°/20° F	Boiling Range (°C)	FL PT (°F)TCC	H	F R W*
D-Limonene	5989-27-5	0.84	154	115	2	2 0
N-Methyl-2 Pyrrolidone	872-50-4	1.03	202-203	196	1	2 1
Propylene Carbonate	108-32-7	1.20	240 °C	275	1	1 1
TetraHydro Furan (THF)	109-99-9	0.888	65-67	6	2	3 1

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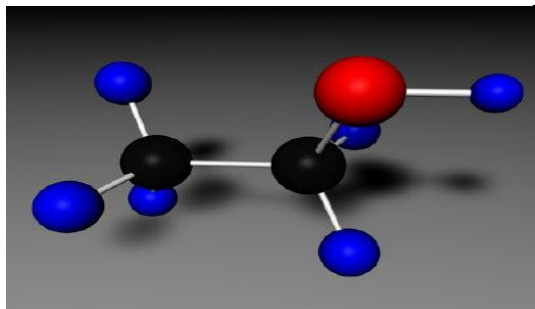
**\* HAZARD CODE: Fire Diamond NFPA 704**

	0	1	2	3	4
<b>HEALTH</b>	Insignificant	Slight	Moderate	High	Extreme
<b>FLAMMABILITY</b>	Insignificant	Slight	Moderate	High	Extreme
<b>REACTIVITY</b>	Insignificant	Slight	Moderate	High	Extreme
<b>WHITE</b>	Can Contain many symbols indicating special hazards				

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# ETHANOL



Description	
Molecular Formula:	C <sub>2</sub> H <sub>6</sub> O
Molecular Weight:	46.07
CAS Number:	64-17-5
Boiling point:	78.15 °C
Density:	0.81 g/ml
Synonym:	Ethyl alcohol

## Pure Alcohols

### Description

Pure Alcohol is undenatured Ethanol suitable for consumption and is usually taxable by the U.S. Federal Government's Alcohol and Tobacco Tax and Trade Bureau (T.T.B.).

TYPE	190 PROOF	200 PROOF
Grain	✓	✓
Synthetic	✓	✓
Sugarcane	✓	
Organic	✓	

### GRADES

Pure ,Kosher & USP

## Specialty Denatured Alcohol ( SDA)

### Description

It is an ethyl alcohol that has been modified by an addition of chemicals or denaturants, which prevents the use of an SDA for beverage use, but not for specific cosmetic, toiletry, personal care or industrial uses.

### Commonly used SDA Products are

SDA 3A, SDA 3C, SDA 29, SDA 38-B, SDA 39-C, SDA 40-B

- A U.S. Government T.T.B. Use Permit is required to purchase a SDA Alcohol.

## Proprietary Solvents, Special Industrial Solvents & Completely Denatured Alcohol CDA

### Description

Proprietary Solvents, Special Industrial Solvents, and Completely Denatured Alcohol are ethyl alcohols that have been modified by the addition of chemicals, or denaturants, prescribed by the T.T.B. which makes the product unfit for human consumption.

### TYPES

190 &200 Proof

- Approved for Industrial Applications
- Can be used without obtaining a Use Permit, payment of tax or posting a bond with T.T.B

DISCLAIMER: The information presented here is believed to be accurate as of the date of publication. It is the sole responsibility of the customer to determine whether the product is appropriate and suitable for the customer's specific use. Specific end uses may require approval by appropriate regulatory agencies. Tilley Chemical makes no warranties, express or implied, regarding the product or information contained therein. The applicable Material Safety Data Sheet should be reviewed by the customer before handling the product. Tilley Chemical disclaims any liability for infringement of any patent by reason of customer's use of any Ethanol product in combination with other materials or in any process.

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