



Product Maintenance Temperature Guide





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PRODUCT	INDUSTRY	PRODUCT MAINTENANCE TEMPERATURE
ACETIC ACID	Petrochemical Food Process	38°C (100°F)
ACRYLIC ACID	Plastic	24°-149°C (75° - 300°F)
ADIPIC ACID	Petrochemical Process	177°C (350°F)
AIR	Process	4°C (40°F)
ALCOHOL	Petrochemical Process	49° - 93°C (120° - 200°F)
ALUM	Paper	32°C (90°F)
ALUMINA SLURRY	Metals	21°C (70°F)
AMINE (LEAN)	Petrochemical Process	21° - 38°C (70°-100°F)
AMINO ACID	Petrochemical Process	49°-121°C (120° - 250°F)
AMMONIA	Petrochemical Cryogenic Vessel Storage	4° - 21°C (40°-70°F)
AMMONIA NITRATE	Chemical	190°C (375°F)
ANALIC ANHYDRIDE	Process	54°C (130°F)
ANIMAL FAT (STERIC ACID)	Food Process	17° - 99°C (80° - 210°F)
ASPHALT	Refining Petrochemical Process	54° - 426°C (130° - 800°F)
BARIUM SALTS	Process	4°C (40°F)
BAUXITE	Mining	4°C (40°F)



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BENZENE	Petrochemical Process	15°-65°C (60°-150°F)
BENZOIC ACID	Petrochemical Process	127°C-182°C (260°F- 360°F)
BISPHENOL A	Petrochemical Process	160°C (320°F)
BITUMEN	Chemical/Petrochemical	82°-149°C (180°-300°F)
BLACK LIQUOR (HEAVY)	Paper	93°-149°C (200°- 300°F)
BORIC ACID SOLUTION 2% 4% 6% 8% 10% 12% 15%	Nuclear Power Plants	13°- 18°C (55°- 65°F) 27°- 32°C (80°- 90°F) 41°- 46°C (105°-115°F) 52°- 57°C (125°-135°F) 63°- 68°C (145°-155°F) 71°- 77°C (160°-170°F) 70°- 85°C (175°-185°F)
BUTADIENE	Chemical	15°- 21°C (60°- 70°F)
BUTANE	Petrochemical/Paper	15°- 21°C (60°- 70°F)
BUTYL-PHENOL	Petrochemical	121°C (250°F)
CALCIUM CHLORIDE	Chemical	38°C (100°F)
CALCIUM HYDROXIDE	Process	21-38C (70-100F)
CAPROLACTUM	Chemical	74°C (166°F)
CARBON BLACK	Chemical	121°-149°C (250°-300°F)
CARBON DIOXIDE	Chemical	10°C (50°F)



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CAUSTIC SODIUM HYDROXIDE) 50% 73%	Petrochemical Process	24°C (75°F) 77°C (170°F)
CHEWING GUM	Food Process	82°-126°C (180°-260°F)
CHLORINE	Chemical Paper	7°-371°C (45°-700°F)
CHLORINE GAS	Chemical/Process	10°-15°C (50°-60°F)
CHOCOLATE (MILK & DARK)	Food Process	27-49°C (80-120°F)
CHROMIUM SALTS	Process	4°C (40°F)
COAL TAR	Tar and Chemical	105-152°C (220-305°F)
COCOA BUTTER	Food Process	4°C (40°F)
COCOA LIQUOR	Food Process	27°C (80°F)
COCONUT OIL (FATTY ACID)	Food Process	27-85°C (80-185°F)
CORN SYRUP	Food Process/Beverage	38-49°C (100-120°F)
CRUDE OIL	Refinery/Chemical	33-66°C (90-150°F)
CRUDE OIL	Fossil Fuel Power Plants	49-121°C (120-250°F)
DEXTROSE (LIQUID)	Food Process	57°C (135°F)
DEXTROSE (SOLID)	Food Process	40-60°C (105-140°F)
DIMETHYL TEREPHTHALATE	Petrochemical	150°C (302°F)



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DIETHANOLAMINE	Chemical	35°C (95°F)
DIPHENYLMETHANE (MDI)	Chemical	50°C (122°F)
ETHYLENE DIBROMIDE	Chemical	15-18°C (60-65°F)
FATTY ACID	Chemical/Food Process	54°C (130°F)
FLUE GAS	Chemical	100°C (212°F)
FLY ASH	Fossil Fuel	65-149°C (150-300°F)
FORMALDEHYDE	Chemical	21-54°C (70-130°F)
FUEL OIL #2, #4, #5, #6	Multiple Industries	49-121°C (120-250°F)
GAS	Petrochemical	-7°C (20°F)
GASES PROCESS	Any Process Industry Prevent Acid Attack	121°C-127°C (250°F- 260°F)
GAS (NATURAL)	Petrochemical/Power	10-371°C (50-700°F)
GELATIN	Food Process	40-93°C (105-200°F)
GLUE	Process/Shoe	38-49°C (100-120°F)
GLYCERIN	Chemical/Cosmetic	38-49°C (100-120°F)
GREASE	Food	27-49°C (80-120°F)
HEXAMETHYLENEDIAMINE	Petrochemical	49°C (120°F)



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HOPS	Beverage	40-10°C (40-50°F)
HYDRATE	Chemical	121-135°C (250-275°F)
HYDRAULIC FLUIDS	Petrochemical	38°C (100°F)
HYDRO-CARBON	Petrochemical	18°C (65°F)
HYDROGEN CYANID	Petrochemical	49°C (120°F)
HYDROGEN GAS	Petrochemical	65°C (150°F)
HYDROGEN SULFIDE GAS	Chemical	49°C (120°F)
LANOLIN	Chemical/Cosmetic	43°C (110°F)
LARD	Food	43-60°C (110-140°F)
LAURIC ACID	Chemical	54°C (130°F)
LIPSTICK	Cosmetic	82°C (180°F)
LIQUOR	Beverage	10°C (50°F)
LUBE OIL	Petrochemical	15°C (60°F)
MALEIC ANHYDRIDE ACID	Plastics/Paint	60°C (140°F)
MARGARINE	Food	49°C (120°F)
METHACRYLIC ACID	Chemical	40°C (104°F)



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METHYL-ETHYL KETONE	Petrochemical	10°C (50°F)
MOLASSES	Food	49°C (120°F)
MOLYBDENUM DI-SULFIDE SLURRY	Chemical	4°C (40°F)
MOTOR OIL	Petrochemical	-15°C (5°F)
DRILLING MUD	Offshore Drilling	5°C (41°F)
NAPHTHALENE	Petrochemical	93°C (200°F)
NITROBENZENE	Petrochemical	16°C (60°F)
NYLON MONOMER	Process	177°C (350°F)
OLEIC ACID	Chemical	27°C (80°F)
OLEUM	Process	35°C (95°F)
OXYSTEARIN	Chemical	68°C (155°F)
PALM OIL (PALMITIC ACID)	Food	60°C (140°F)
PARAFFIN	Chemical/Food	63°C (145°F)
PARAXYLENE	Petrochemical	27°C (80°F)
PHENOL	Petrochemical	49-65°C (120-150°F)
PHOSPHORIC ACID	Chemical	27-204°C (80-400°F)



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PHTHALIC ANHYDRIDE	Chemical Process Manufacturing	65-149°C (150-300°F)
PINE OIL	Food	15°C (60°F)
PITCH	Petrochemical	150°C (302°F)
PLASTIC	Chemical	77°C (170°F)
POLYAMID RESIN	Chemical	149°C (300°F)
POLYBUTANE	Petrochemical	65°C (150°F)
POLYETHYLENE	Process/Manufacturing	204°C (400°F)
POLYVINYL ACETATE	Chemical/Process	21°C (70°F)
POUR DEPRESSANTS	Chemical	15°C (60°F)
PROPANE	Petrochemical	4°C (40°F)
PROPANE VAPOR	Petrochemical	88°C (190°F)
PYRITE (IRON) SLURRY	Steel	4°C (40°F)
SALT BRINE	Paper, Construction Manufacturing	27-60°C (80-140°F)
SHORTENING	Food	49°C (120°F)
SODIUM ALUMINATE	Metals	93°C (200°F)
SODIUM HYDROCHLORITE	Power	21°C (70°F)



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SODIUM NITRATE	Manufacturing (Ammunitions)	32°C (90°F)
SODIUM PENTABORATE	Nuclear Power Plants	27°C (80°F)
SODIUM SULFATE	Nuclear	40°C (120°F)
SODIUM THIOSULFATE	Power	7°C (45°F)
SOYBEAN OIL	Food	49°C (120°F)
STEARIC ACID	Chemical	65°C (150°F)
SUGAR	Food/Beverage	43-65°C (110-150°F)
SULPHUR	Chemical	135°C (275°F)
SULPHUR DIOXIDE	Process/Chemical	4-38°C (40-100°F)
SULPHURIC ACID	Process/Chemical	10- 52°C (50- 125)
SULPHURIC TRIOXIDE	Process/Chemical	35°C (95°F)
SWEETOSE	Food	29°C (85°F)
SYRUP	Food	35-55°C (95-130°F)
TALL OIL	Paper	90°C (195°F)
TALLOW	Food/Manufacturing	43°C (110°F)
TITANIUM TETRA-IODE	Chemical	71°C (160°F)



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TOLUENE DI-ISOCYANATE	Manufacturing	43°C (110°F)
TOLYLENE DI-ISOCYANATE	Chemical	24°C (75°F)
TRICHLORO (PROPIONIC ACID)	Chemical	49°C (120°F)
TURPENTINE	Paper	10°C (50°F)
UREA	Petrochemical	Various Concentrations 66 – 150°C (150 – 300°F)
VARNISH	Paint	38°C (100°F)
VASELINE	Manufacturing	60°C (140°F)
VEGETABLE OILS	Food/Manufacturing	49°C (120°F)
VISCOSE CELLULOSA	Chemical	38°C (100°F)
WATER	All	10°C (50°F)
WAX	Petrochemical Refining/Chemical Manufacturing	10-163°C (50-325°F)
WOOD	Paper	4°C (40°F)



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