



**INDO
AMINES
AMERICAS LLC**



POLYMER & RUBBER

Anti-stats | Mold Release | Emulsifiers | Hardeners | Cross-linkers
Chain-extendors | Catalyst

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POLYMER & RUBBER - I

FATTY AMINES

NAME	CAS.NO	BRAND NAME	APPEARANCE	TOTAL AMINE VALUE mg KOH/g	% PRIMARY AMINE	IODINE VALUE, gl2/100g	APPLICATION
Soya Amine	61790-18-9	IAL SOAD	Colorless to pale yellow liquid	205 – 220	99.0 min	85.0 Min	Thermosetting epoxy hardener

FATTY DIAMINES

NAME	CAS.NO	BRAND NAME	APPEARANCE	TOTAL AMINE VALUE mg KOH/g	DIAMINE CONTENT	IODINE VALUE, gl2/100g	APPLICATION
Coco Diamine	61791-63-7	IAL CDA	Yellow to amber Pasty liquid	400 – 445	90.0 Min	12.0 Max	Epoxy hardener
Oleyl Diamine	7173-62-8	IAL ODA	Liquid pale yellow paste	320 – 340	90.0 Min	60.0 Min	Polyurethane Catalyst intermediates

DI ALKYL AMINES

NAME	CAS.NO	BRAND NAME	APPEARANCE	TOTAL AMINE VALUE mg KOH/g	TERTIARY AMINE %	MOISTURE CONTENT, BY KF	APPLICATION
Distearyl Amine	112-99-2	IAL DSA	Yellowish pasty solid	98 -107	-----	1.0 Max	Functional polymer property enhancer

FATTY AMINES ETHOXYLATES

NAME	CAS.NO	BRAND NAME	APPEARANCE	COLOR (APHA)	TERITARY AMINE,%	MOISTURE CONTENT, BY KF	APPLICATION
Nonyl Phenol 9 EO	9016-45-9	IAL NP 9	Color less clear viscous liquid	50 Max	85 – 95	6.0 – 8.0	Dispersing agent & Emulsion polymerization
Tallow amine 2 EO	61791-44-4	INDOSTAT 2T 320	Slightly yellowish pasty liquid	200.0 Max	97.0 Min	0.2 Max	Internal antistat additive
Coco amine 2 EO	69791-31-9	INDOSTAT 2C 240	Clear liquid	150.0 Max	97.0 Min	0.2 Max	Internal antistat additive
Oleyl amine 2 EO	25307-17-9	INDOSTAT 2O 370	Slightly yellowish pasty liquid	200.0 Max	97.0 Min	0.2 Max	Internal antistat additive
Stearyl amine 2 EO	90367-28-5	INDOSTAT 2S 360	Slightly yellowish pasty solid	150.0 Max	97.0 Min	0.2 Max	Internal antistat additive
Octadecyl amine 2 EO	10213-78-2	INDOSTAT 2S90 3600	Slightly yellowish pasty solid	150.0 Max	97.0 Min	0.5 Max	Internal antistat additive

FATTY ALCOHOL ETHOXYLATES

NAME	CAS.NO	BRAND NAME	APPEARANCE	COLOR (APHA)	HYDROXYL VALUE , mgKOH/g	pH, 5 % in DISTILLED WATER	APPLICATION
Nonyl Phenol 9 EO	9016-45-9	IAL NP 9	Color less clear viscous liquid	50 Max	85 – 95	6.0 – 8.0	Dispersing agent & Emulsion polymerization
Nonyl Phenol 10 EO	9016-45-9	IAL NP 10	Color less clear viscous liquid	50 Max	80 – 88	6.0 – 8.0	Dispersing agent & Emulsion polymerization
Nonyl Phenol 20 EO	9016-45-9	IAL NP 20	White to creamy white solid	100 Max	45 – 60	6.0 – 8.0	Dispersing agent & Emulsion polymerization
Lauryl Alcohol 10 EO	68439-50 -9	IAL LA 10	Liquid to Semi solid paste	50 Max	85 – 100	5.5-7.5	Emulsifier - styrene acrylic & full acrylic binder
Lauryl Alcohol 30 EO	68439-50 -9	IAL LA 30	White to off white waxy solid	100 Max	36 - 42	5.5-7.5	Latex post stabilizer & polyvinyl acetate stabilizer
Tridecyl Alcohol 20 EO	9043-30-5	IAL TDA 20	White waxy solid	100 Max	50 – 57	6.0 – 8.0	Dispersing agent - Plastic

CASTOR OIL ETHOXYLATES

NAME	CAS.NO	BRAND NAME	APPEARANCE	COLOR (GARDNER)	SAONIFICATION VALUE, mg KOH /g	pH (1 % Aq. SOLUTION)	APPLICATION
Castor Oil 40 EO	61791-12-6	IAL CO 40	Yellowish viscous liquid	6.0 Max	58 – 68	6.0 – 8.0	Emulsifier & post polymerization stabilizer - styrene acrylics, styrene butadiene rubber & polyvinyl chloride
Castor Oil 70 EO	61791-12-6	IAL CO 70	Yellowish solid	6.0 Max	33 - 45	6.0 – 8.0	Steric stabilization - Latex rubber, nitrile rubber,styrene acrylics, styrene butadiene rubber & polyvinyl chloride

SORBITAN ESTERS

NAME	CAS.NO	BRAND NAME	ACID VALUE mgKOH/g	HYDROXYL VALUE mgKOH/g	SAPONIFICATION VALUE mgKOH/g	APPLICATION
Polysorbate 20 (PSB 20)	9005-64-5	IAL PSB 20	2 Max	96 – 108	40 – 50	Antistat(external) - Polymer & Polyethylene terephthalate
Polysorbate 60 (PSB 60)	9005-67-8	IAL PSB 60	2 Max	81 - 96	45 - 55	Antistat(external) - Polymer & Polyethylene terephthalate

POLYMER & RUBBER - II

POLYETHERS

NAME	CAS.NO	BRAND NAME	APPEARANCE	%, MOISTURE CONTENT (By KF)	HYDROXYL VALUE, mgKOH/g	pH (1 % Aq. SOLUTION)	APPLICATION
Polyethylene Glycol 200	25322-68-3	IAL PEG-200	Color less to pale yellow viscous liquid	0.5 Max	535 – 590	4.5 – 7.5	Plastic - Mold release agent
Polyethylene Glycol 400	25322-68-3	IAL PEG - 400	Color less to pale yellow viscous liquid	0.5 Max	267 - 295	4.5 – 7.5	Latex rubber - Heat transfer aid, Rubber - Mold release agent ,& Antistat - Polypropylene resin

OTHERS

NAME	CAS.NO	BRAND NAME	APPEARANCE	MOISTURE CONTENT, (BY KF)	PURITY, (BY GC)	APPLICATION
N,N-Dimethyldipropylene triamine (DMDPT)	10563-29-8	DIMETHYL DIPROPYLENE TRIAMINE	Clear colorless liquid	0.5 % Max	99.0 % Min	Polyurethane - Catalyst & accelerator
1,3-Bis(2-hydroxyethoxy) benzene (HER)	102-40-9	IAL HER	White crystal powder	0.1 % Max	99.0 % Min	Chain extender - TDI & MDI Polyurethane, PU adhesive, coating sealants, elastomers and spandex. Foklift tires
N,N-Bis(3-aminopropyl) methylamine (Bis-MAPA)	105-83-9	IAL BMAPA	Clear colorless to pale yellow liquid	0.5 % Max	98.0 % Min	Potential building block - Polyurethane
Hydroquinone Bis-(2-hydroxyethyl) ether (HQEE)	104-38-1	IAL HQEE	Grayish white powder	0.2 Max	99.0 % Min	Chain extender - TDI & MDI Polyurethane, PU adhesive, coating sealants, elastomers and spandex. Foklift tires
N-Methyl Morpholine (NMM)	109-02-4	N-METHYL MORPHOLINE	Clear colorless liquid	0.5 % Max	99.0 % Min	Base catalyst - Polyurethane
1,1,1-tris (4-hydroxy phenyl) ethane (THPE)	27955-94-8	1,1,1,tris(4-hydroxyphenyl) ethane	White powder	0.5 % Max	99.0 % Min	Branching and cross-linker for polycarbonates and hardener for epoxy
Tris (2-hydroxyethyl) isocyanurate (THEIC)	839-90-7	TRIS-2-HYDROXYETHYL ISOCYANURATE	White to off-white crystalline powder	0.5 % Max	99.0 % Min	PVC thermal stabilizer, Wire & Cable coating, monomer polyester, FR additive. Plasticizer intermediate
Dimethyl amino propyl amine (DMAPA)	109-55-7	3-DIMETHYL AMINO PROPYL AMINE	Clear colorless liquid	0.4 % Max	99.5 % Min	Epoxy Hardener& catalyst for Polyurethane and epoxy
1,1-Bis(4-hydroxy-3-methyl phenyl) cyclohexane	2362-14-3	1,1-BIS(4-HYDROXY-3-METHYLPHENYL) CYCLOHEXANE	White to off white crystalline powder	0.5 % Max	99.0 % Min	Scratch resistance & moisture barrier.

NAME	CAS.NO	BRAND NAME	APPEARANCE	COLOR (GARDNER)	EPOXY VALUE, Eq/kg	EPOXY EQUIVALENT WEIGHT, (EEW), g/eq	APPLICATION
O-Cresol glycidyl ether (OGCE)	2210-79-9	IAL OCGE	Clear liquid	2.0 Max	5.30 – 6.00	167.0 – 189.0	Diluent for epoxy
Phenyl glycidyl ether (PGE)	122-60-1	IAL PGE	Clear liquid	2.0 Max	5.90 – 6.30	159.0 – 170.0	Diluent for epoxy

NAME	CAS.NO	BRAND NAME	APPEARANCE	COLOR (GARDNER)	ACTIVE CONTENT,% BY WEIGHT	pH (1 % Aq. SOLUTION)	APPLICATION
Diocetyl sulfosuccinate sodium salt	577-11-7	INDOL DC 30	Clear pale yellow liquid	2.0 Max	30.0 Min	5.0 – 7.0	Co -emulsifier - Emulsion polymerization