



PROCESS CHEMISTRY

Refinery

CRUDE OIL TREATMENT

Tank & Desalter Demulsifiers — XY-0733P / 0734P

Reverse Demulsifiers — XY-0108Q · CH-D01

Crude Oil Dechlorinating Agent — CH-969

Demetallizing · Decalcification Agents — CH-D03

Crude Oil Pretreatment Agent — CH-962Y

DESULFURIZATION & FUEL QUALITY

Desulfurization Enhancers — CH-W21 / W22

MTBE Fine Desulfurization Agent — CH-J21

Gasoline Extraction Desulfurizer — CH-J22

Sulfonated Cobalt Phthalocyanine Catalyst — CH-W236

Mercaptan Activation Agent — CH-S05

Extraction Anti-Gumming Agent — CH-J21

Diesel Anti-Wear Agent · Pour Point Depressant

Diesel Antioxidant · Cold Flow Improver — CH-W239

HYDROPROCESSING

Hydrocracking Antifouling Agent — CH-039

Hydro Bed Pressure-Drop Inhibitor — CH-663

Wax Oil / Resid Antifouling — CH-F38 / H38 / K38

Hydrogenation Corrosion Inhibitors — CH-991 series

Gasoline & Diesel Hydro Inhibitors — CH-992 / 993

H₂ Production Acidic Water Inhibitor — CH-993A

FCC & CATALYTIC CRACKING

Catalytic Cracking Enhancer — CH-T108

CO Combustion Promoter — CH-235

Slurry Antifouling Agent — CH-962

Metal Passivator (Ni/V) — CH-701

COKING UNITS

Delayed Coking Coke Inhibitors — CH-W02 · CH-H38

Coke Suppressant & Yield Enhancer — CH-W01

Coking Demulsifier & Corrosion Inhibitor — CH-D56

Coking Corrosion Inhibitors — CH-996

Coking Non- / Low-Silicone Defoamers — CH-W11

CORROSION CONTROL & OVERHEADS

Reforming Corrosion Inhibitors — CH-998

Neutralizing & Catalytic Inhibitors — CH-994 / 995

Organic Amine Neutralizer — CH-994

Air Cooler Scale & Corrosion Inhibitor — CH-997

Alkylation · Biodiesel Inhibitors — CH-991 / Y93

DEFOAMERS & SPECIALTY

Aromatics · Amine Unit Defoamers — CH-C01 / C11A

Sulfur Release · Wastewater Defoamers — CH-C21

Waste Oil Extractant · Water Conditioner — CH-D01

Glycol Coolant · Antifreeze — CH-C12

UTILITY & CIRCULATING WATER

Biocide & Algaecide · Slime Remover — CH-S01 / S02

Scale Inhibitor · RO Antiscalant — CH-S51 / S52

PRODUCTION CHEMISTRY

Oilfield

DEMULSIFIERS & WATER TREATMENT

Oil- & Water-Soluble Crude Oil Demulsifiers

DB-Series Demulsifier Line — 5 chemistries

Wastewater Corrosion Inhibitors — XY-02 series

Fungicides / Biocides (XYS) · Scale Inhibitor

ACID FRACTURING & WELL TREATMENT

VES Clean Fracturing Fluid · Fracturing Fluid

Composite Acid

Acidizing Corrosion Inhibitor

Clay Stabilizer

Foaming Agent · Drainage Aid

FLOW ASSURANCE & PRODUCTION

Heavy Oil Viscosity Reducer

Crude Oil Pour Point Depressant

Asphalt Dispersant

Pipeline Drag Reducing Agent — XY-3-1

Hydrate Inhibitor · Desulfurizer

Oil Displacement Agent — EOR

FLUID ADDITIVES · 37 SKUS

Drilling

FILTRATION REDUCERS

DSP-1 · DSP-2 Copolymer Filtration Reducers

PAN-Trol Low-Viscosity Copolymer

PAN-Vis HT Viscosifier & Filtration Reducer

SMP · SMP-III Sulfomethyl Phenolic Resins

SPNH Lignite Resin

LYS · SHR-1 Modified Starches (HT)

DACP Alkyl Cellulose Polysaccharide

SHALE INHIBITORS

NP-1 Nano-Polyester · NS-1 Nano-SiO₂

FF-I Sulfonated Asphalt — high purity

FF-III Emulsified Asphalt

AP-1 Polyamine Shale Inhibitor

POLYOL Shale Inhibitor

DLA-1 Aluminum-Based Shale Inhibitor

LUBRICANTS & THINNERS

HEP-1 EP Lubricant — High-Density Mud

EP-202 · EP-204 EP & Oil-Base Lubricants

GR Solid Lubricant

SF Silicon-Fluorine · DLSTCF Cr-Free Thinners

LOST CIRCULATION MATERIALS

SDF3 Compounded LCM

GWS-1 Delayed-Expansion LCM

HFD-1 Rapid-Filtering High-Strength LCM

OIL-BASED MUD ADDITIVES

OME-1 / OME-2 OBM Emulsifiers

OFC OBM Filtration Reducer

OMP-1 Nano-Polymer Sealing Additive

OMP-2 Expanded-Graphite Plugging Agent

DRILLING SPECIALTY

ZH-2 Corrosion Inhibitor · JM-1 Bactericide

SR301 Pipe-Freeing Agent · KT Penetrant

Polyether · PD-100 Organosilicon Defoamers