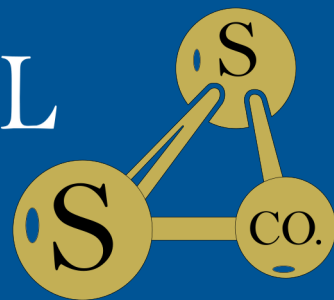


2026

PRODUCT CATALOG

S AND S CHEMICAL
COMPANY INC.

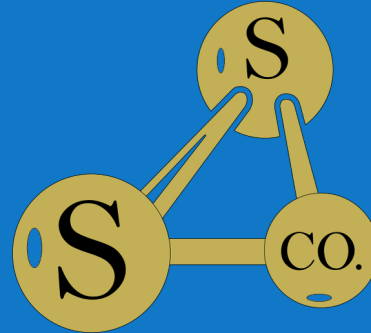


S&S Chemical manufactures, warehouses and distributes metalworking/lubrication additives, rust and corrosion inhibitors, emulsifiers and other specialty chemicals.



Northport Harbor, New York

ABOUT US



The Gold Standard In Chemistry

S&S Chemical is a 65-year-old wholesale raw material distributor with a sales office in New York. Our company sells to Fortune 500 companies and small businesses in lubrication, machining, automotive, cosmetics and various industrial applications. Our Company provides sales support, customer service and warehouses for products across the United States. What can we make for you?

The History of *S&S Chemical* has its roots in a separate import-export company located in downtown New York. Back in the 1920's the company imported everything from natural sponges, cork and natural oils well before the synthetic versions were invented. By the 1940's one of the chemists hit upon the idea of sulfurized fats that became a big product line along with the idea of developing specialty products for the customers' needs.

In the 1950's, a need for more efficient distribution brought together Jim Smith and Ed Schumacher to start *S&S Chemical Company*. S&S handled these sulfurized fats along with waxes from Ed's business. In the 60's the company expanded into handling Chevron and Cosden Polybutenes. Distribution was in its infancy still, as products such as sulfurized fats sold for 8c per pound and tall oil was less than 20c per pound.

Most distribution was regional in those days, but by the 1990's S&S started following the customer base to other parts of the country and opening other warehouses so we could more efficiently stock for our customers. Today we partner with many customers and suppliers to be an extension of their inventories.



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EP SULFUR ADDITIVES

S&S LC-40

S&S LC-40 is a 40% active sulfurized olefin. It is low in odor and light in color, suitable for use in neat oils and semi-synthetics.

S&S 20

S&S 20 is a 20% inactive sulfurized olefin.

S&S 42

S&S 42 is a 40% inactive sulfurized olefin. Designed to be light in color, have mild odor and high sulfur content.

S&S LC-2515

S&S LC-2515 is an inactive sulfurized vegetable fatty acid with outstanding EP properties suitable for greases, slideway oils & metal forming.

S&S LC-30

S&S LC-30 is a unique 30% inactive sulfurized olefin. It is low in odor and light in color, less corrosive on yellow metals.

S&S LC-22HP

Is an inactive sulfurized olefin. Designed to be light in color, have mild odor, high sulfur content and high flash point.

EP CHLORINE ADDITIVES

S&S 152

S&S 152 is a 52% mid-chain chlorinated paraffin that is a non-flammable, non-corrosive, low volatile liquid at room temperature that is typically applied in machining, drawing and stamping fluids.

S&S 156

S&S 156 is a 56% mid-chain chlorinated compound used in a wide variety of applications including flame retardants, plasticizers and for EP.

EP PHOSPHATE ADDITIVES

S&S 497-P

S&S 497-P is a phosphate ester of ethoxylated alcohol. Excellent EP and boundary lubrication properties for machining steel, aluminum, and other metals.

S&S LB-400

S&S LB-400 may be used in metalworking formulations for improved lubricity, wetting, detergency, co-emulsification and corrosion inhibition.

S&S LP-700

S&S LP-700 may be used in metalworking formulations for improved lubricity, wetting, detergency, co-emulsification and corrosion inhibition.

S&S NF-3

S&S NF-3 is an oil soluble corrosion inhibitor for aluminum in soluble, semi-synthetic and synthetic oils.

Pel-Phos 885-A

Pel-Phos 885-A is a water soluble, phosphorus containing EP agent, provided in free acid form which enhances lubricity.

****Ask us about our other unique phosphate esters with co-emulsification and hydrotropic properties****

LUBRICITY ADDITIVES

S&S SHR 4020

Water soluble polyalkylene glycol basefluids with an ISO 20 viscosity grade.

S&S PAG-100

S&S PAG 100 is a high viscosity polyalkylene glycol base fluid which is a water soluble co-polymer.

Pel-Pag WS-660 & WS-5100

Water-soluble polyalkylene glycols with approximate viscosity of 660 SUS and 5100 SUS at 40°C.

Pel-Lube 486-C

Pel-Lube 486-C is a lubricity additive for water-based metalworking fluids which gives extreme pressure lubricity without other EP additives.

Pel-Lube 486-D

Pel-Lube 486-D metalworking lubricant is an anionic modified polyalkylene glycol which provides both hydrodynamic and extreme pressure lubrication.



ESTERS

S&S C-1550

S&S C-1550 is a unique fatty acid ester, designed as an extreme pressure lubricity additive in; straight oil, soluble oil, semi-synthetic and synthetic metal removal fluids, rolling oils, and drawing and stamping fluids.

S&S BN-6000

S&S BN-6000 is a polymerized, natural based, fatty acid ester, designed primarily as a lubricity additive for aluminum.

S&S TMP-C18

TMP-C18 is a high quality oleic ester that exhibits excellent temperature stability and lubricity. It is a natural ISO 46 grade ester.

S&S TMP/TM

Trimethylolpropane Trimonerate is a heat stable, low pour point synthetic polyol ester.

SMO - Sorbitan Monooleate

SMO is an ester that co-emulsifies, thickens and is used for dropping HLB. Available in both tallow and vegetable grades.

Methyl-Esters

We have a variety of methyl-esters including soy, vegetable, canola, and blends.

S&S SMR1

S&S SMR1 is reacted from our proprietary alkyl succinic anhydride (ASA) and is suitable for use in all types of emulsions.

S&S 2-EHD

Di-2-Ethylhexyl Dimerate

S&S DTDA

Diisotridecyl Adipate

S&S NGDO

Neopentyl Glycol Dioleate

S&S DIDA

Diisodecyl Adipate

A photograph of laboratory glassware. In the foreground, a clear glass beaker with a pouring spout is filled with a bright yellow liquid. The beaker has volume markings at 300, 400, and 500 ml. In the background, a metal rack holds several test tubes, some of which also contain the same yellow liquid. The scene is brightly lit, and a blue triangular graphic element is visible in the top right corner.

EMULSIFIERS

S&S LF-Amide

S&S LF Amide is a **low foaming**, DEA-free fatty acid alkanolamide used as a lubricant, corrosion inhibitor, and emulsifier.

S&S ALK E-70

S&S ALK-E70 is a low foam emulsifier for both mineral and vegetable oils. It is compatible with nonionic and anionic additives to formulate high performance metalworking coolants with low foam in both soft and hard water.

S&S RCO 70

S&S RCO 70 is a unique DEA-free amide that is used as a secondary emulsifier.

S&S DTT Amide

S&S DTT Amide is an excellent co-emulsifier providing excellent oxidative stability, good boundary lubrication, high reserve alkalinity and excellent corrosion protection for soluble oils, semi-synthetics, synthetics, and rust preventives.

ODG-1.0

PEL-AMID™ ODG-1.0 is a DEA-free, naturally derived 1:1 tall oil alkanolamide, which is designed for use in industrial preparations as a lubricant and emulsifier.

PIBSA MADE TO EMULSIFY

You shouldn't have to rely on "good enough." You need a product built from first principles that doesn't force you to compromise on performance.

You've been limited. Until now.

INTRODUCING NBSC PIBSA

- + Low foam forming
- + Hard-water stable
- + High droplet stability
- + Bio-resistant structure
- + Noncontinuous, chlorine-free process



PIBSA COMPONENTS FOR EMULSIFIERS

NBSC 5201

Low molecular weight PIBSA for efficient oil-in-water emulsification across demanding fluid systems

Enables significantly lower treat rates and minimal co-emulsifier demand versus other commercially available PIBSAs. Upon neutralization, NBSC 5201 promotes spontaneous emulsion formation, providing high droplet stability and bio-resistant characteristics.

NBSC 5202

Medium molecular weight PIBSA that balances ease of emulsion formation with greater droplet stability and corrosion protection in oil-in-water fluid systems

NBSC 5202 enables lower treat rates and reduced co-emulsifier demand versus traditional PIBSAs while maintaining hard water stability, and low foam formation. This product is well-rounded choice for metal removal and forming fluids.

NBSC 5204

High molecular weight PIBSA typically paired with high-HLB co-emulsifiers for robust oil-in-water emulsification

NBSC 5204 features advanced chemistry for seamless integration into traditional PIBSA-based formulations, delivering low foam formation and hard water stability and provides exceptional droplet stability and consistent performance in metal removal and forming fluids, as well as invert emulsification systems.

EMULSIFIER PACKAGES

NBSC 5402

Fully-finished pre-neutralized emulsifier core intended for oil-in-water (O/W) fluid systems

NBSC 5402 is completely comprised of PIBSA derivatives and delivers high droplet stability, low foam formation, and hard water stability without the need for additional co-emulsifiers. Designed for formulation simplicity and flexibility, NBSC 5402 forms clean, robust emulsions and is ideally suited for incorporation into soluble oil and semi-synthetic formulations.

S&S Tristar Emulsifier

S&S TriStar is a highly robust polymeric emulsifier unlike anything in the industry. This product is 100% active (no oil or diluents) and is easy to handle at ambient temperature. With little addition it will emulsify naphthenic, paraffinic, and vegetable based oils. It is compatible with phosphate esters, chlorinated paraffins, sulfurized fats, olefins and borate esters.



**Nelson
Brothers**
A NELSON BROTHERS / ORICA JOINT VENTURE





INTRODUCING

M | C

METALL CHEMIE FINE CHEMICALS

S&S Chemical is proud to announce our new partnership with Metall Chemie as their North American distributor. Through their German expertise we are proud to offer an exceptional line of additives including corrosion inhibitors, EP/AW additives, metal deactivators, friction modifiers, with customized solutions for both oil- and water-based systems.

- MC 155 - Biodegradable additive from renewable resources. Multifunctional additive acts as corrosion inhibitor, emulsifier, hydro-trope and lubricity enhancer. Typical ap- plications include metal working fluids and other types of lubricants. Enhances the stability of emulsions and solutions.
- TC® 50/65/85 - Biodegradable organic polycarboxylic acid, that has a long history of reliable performance in the industry as an ef- fective ashless corrosion inhibitor for aqueous alkaline media. It protects multi-metal systems in semi-synthetic and synthetic hydraulic fluids, industrial cleaners, and metalworking fluids. Fully compatible with other common inhibit- ors, it offers excellent stability, extremely low foaming, rapid air release, and low water hazard classification – combin- ing long-standing reliability with envir- onmental responsibility.
- ASC plus® - Biodegradable organic carboxylic acid derivative used as ashless and amine- free corrosion inhibitor for water-based lubricants (semi-synthetic and syn- thetic), hydraulic fluids, metal working fluids, off-shore/high pressure applica- tions. ASC plus® is hard water stable, with low foaming tendency..
- MC TPPT - Organic thiophosphate, ashless AW- additive for lubricants, greases and hy- draulic fluids, compressor- and engine lubricants with excellent thermal stabil- ity, no corrosion on yellow metal and low odour. It is also FDA approved for the use in the food industry, NSF HX-1 as well as Kosher and Halal certified.
- MC 209/222 - Alkylated-thiadiazole, ashless additives for metalworking fluids, hydraulic/compressor fluids, engine/gear/transmission oils, and greases. They provide metal deactivation (Cu/Pb/Ag passivation), sulphur scavenging, and strong EP/AW performance while reducing copper corrosion (including ZDDP-related). They're broadly compatible and soluble in base oils and PAO.
- Mecyrat M/ P- Ashless, thermally stable solid lubricant additives for greases, designed as cost-effective alternatives to PTFE and MoS₂ while maintaining grease structure. They act as friction modifiers and ashless EP boosters, staying compatible with common sulphur- and phosphorus-based additive systems, and can show synergy with MoS₂.
- MC 1030 - Biodegradable blend of linear dicarboxylic acids that functions as a corrosion inhibitor in metalworking fluids (semi- synthetic and synthetic), engine coolants, aqueous hydraulic fluids, and metal cleaners. It offers low foam tendency, excellent air release, hard water stability, and compatibility with common corrosion inhibitors.
- MC 450 - Next-generation, thermally stable anti-wear (AW) additive for most oil-based lubricants, delivering outstanding wear protection even at very low treat rates. Sourced from over 90% renewable feedstocks, its liquid dialkyl phosphorus component supports more sustainable lubricant formulations. The label-free product is LuSC-listed and HX-1 approved.
- MC 511- Ashless anti-wear (AW) and extreme-pressure (EP) additive based on an organic phosphorothioate ester. Metal- free and thermally stable, it helps prevent ash formation and catalytic degradation, providing a clean, regulatory-compliant alternative to ZDDPs and TPPT for demanding engine and industrial lubricants.

CORROSION INHIBITORS

S&S CP-B-4M

S&S CP-B-4M is a water-soluble boron containing compound for use as a corrosion inhibitor in aqueous systems. S&S CP-B-4M is diethanolamine free, yet provides a high amount of reserve alkalinity for good corrosion protection.

S&S CP-9

S&S CP-9 is a synthetic corrosion inhibitor based on a neutralized amino carboxylate used in MWF, cleaners and water glycol fluids. Effective for use on cast iron and steel alloys. Excellent hard water stability and can act to reduce foam.

S&S 199

S&S 199 is a water soluble corrosion inhibitor that can be used in various water based systems and coolants.

S&S 7056

S&S 7056 inhibits corrosion and is effective on steel surfaces both polished and ground. Specifically designed for acid atmospheres, it dissolves in aliphatic solvents and oils.

S&S 7100

S&S 7100 is a thin-film, water displacing rust preventative that provides excellent protection for salt and humid atmospheres. Also provides excellent water separating and displacing properties, while being non-staining on a variety of ferrous and non-ferrous metals.

S&S CS 42

S&S CS 42 is a high molecular weight neutral calcium sulfonate used to improve rust prevention and demulsibility in various oil based products.

S&S 6945

S&S 6945 is a high molecular weight neutral calcium sulfonate used to improve rust prevention and demulsibility in various oil based products.

S&S CS 57

S&S CS 57 is a high molecular weight slightly over-based calcium sulfonate used to improve rust prevention and demulsibility in various oil based products.

S&S CS 400

CA-400 is an oil-soluble, highly over-based calcium sulfonate with excellent corrosion protection in mill oils, short term rust preventatives, coatings and greases. Acts as an excellent demulsifier with high alkalinity and is a detergent and dispersant in lubricating oils.

S&S 6670/6655

S&S 7165 is a thin film calcium sulfonate and a superior water displacing rust preventative in both salt and humid atmospheres when diluted in petroleum solvent or oil.

S&S 7165

S&S 7165 is a thin film calcium sulfonate and a superior water displacing rust preventative in both salt and humid atmospheres when diluted in petroleum solvent or oil.

S&S 9009

S&S 9009 is a corrosion inhibitor designed for the manufacture of non-staining, dry to the touch rust preventives with water displacing properties. Excellent humidity and salt protection.

Water	Oil	Solvent
●		
●		
●		
●		
●	●	
	●	
	●	
	●	
	●	●
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	●	●



BIOCIDES

PROMEX™ 20S

Promex 20S is a glycol solution of 20% 1,2-Benzisothiazolin-3-one. Used as a preservative in aqueous and water miscible chemicals, has a broad efficacy against bacteria, yeast and fungi. Excellent compatibility and long term stability for most metal working fluids.

PROMEX™ IPBC30S

Promex IPBC30S is 30% solution of 3-iodo-2-propynylbutylcarbamate and an effective fungicide for a wide range of industrial applications. Has a good safety profile and is effective over a pH range of 4-9.

CONDITIONERS

S&S B5 Conditioner - *New Product*

S&S B5 Conditioner is a tank side additive used to rejuvenate used coolants.

Durablend RP-T

Durablend RP-T is a cost effective pH-Buffer, rust & corrosion inhibitor, and lubricity additive.

Pel-Ron 822

Pel-Ron 822 is a unique copper complex that works to lower the required amount of biocidal agents required to stabilize diluted metal working fluids in use. Thus it helps to reduce the usual dose of biocide required. Can be added tank side or to a coolant formulation providing long term odor control.

S&S SPECIALTY AMINES

2M-Amine	S&S 2M Amine is a user friendly replacement for DCHA. It will not cause dermatitis and is more water soluble.
Pel-Ine 618	Pel-Ine 618 is a tertiary amine that adds alkalinity to metal working formulations and is useful as a catalyst for both epoxy and urethane systems.
Pel-Ine 883	Pel-Ine 883 is an excellent multi-purpose tertiary amine additive, offering very low vapor pressure and good partition properties.
DCHA	Dicyclohexamine is a rust & corrosion inhibitor that is also a lubricity additive. Additionally, DCHA functions as a cost-effective pH buffer.
DGA	Diglycolamine is excellent in providing pH control and buffering, additionally it is non-leaching to cobalt and aluminum.
BAE	BAE is a versatile amine that enhances alkalinity and stability in metalworking formulations, offering low color and excellent purity.



DEFOAMERS

Surtech® KE-131

Surtech® KE-131 is a modified-silicone emulsion for use as a tankside defoamer

Surtech® KE-802

Surtech® KE-802 is a low cost modified silicone emulsion used as a tankside defoamer.

Surtech® CA-3875

Surtech® CA-3875 is a modified silicone emulsion.

Surtech® HA-4760

Surtech® HA-4760 is a modified silicone emulsion.

Surtech® HA-4676

Surtech® HA-4676 is a non-silicone solution and an Ideal tankside defoamer.

Surtech® HA-1727

Surtech® HA-1727 is a non-silicone defoamer for metal working fluids and alkaline cleaners.

Surtech® OA-3321

Surtech® OA-3321 was developed as a silicone multi-functional, high efficiency foam control agent for OII-based, releasing entrained air and foam control in diesel fuel.

Surtech® OA- 7885

The Surtech® OA series is designed to release, entrained air in gear oils, metal cutting oils, hydraulic oils, motor oils, compressor oils and other non-aqueous lubricants.

ANTI-OXIDANTS

RIANOX® L57

RIANOX® L57 is a liquid aromatic amine antioxidant, used for lubricating oil and grease.

RIANOX® L67

RIANOX® L67 is a nonylated diphenylamine for use as an antioxidant for lubricant applications.

RIANOX® L115

RIANOX® L115 is a high molecular weight hindered phenolic antioxidant containing sulfur.

RIANOX® 1135

RIANOX® 1135 is an active, liquid hindered phenolic antioxidant for polyols, polyurethanes, and mineral or synthetic lubricants.

RIANOX® BHT

BHT can be applied in polyolefins, such as polyethylene, polypropylene, polybutene and olefin copolymers such as EVA copolymers

BLOCK POLYMERS

17R2

17R2 is a 100% active, high-molecular-weight, di-functional block co-polymer.

17R4

17R4 is a 100% active, high-molecular-weight, di-functional block co-polymer.

25R2

25R2 is a 100% active, high-molecular-weight, di-functional block co-polymer.

L-61

L-61 is a nonionic surfactant with a chemical structure designed to make it act as a defoamer in many applications.

L-62

L-62 is a nonionic surfactant with a chemical structure designed to make it act as a defoamer in many applications.

MISCELLANEOUS

S&S Dicarb 1550

In final stages of testing, will be available soon!

MR-109/London Rosin Oil

Premium rosin oil for improved lubricity and performance.

MR-849/Kidney Rosin Oil

Isononanoic Acid

An organic acid in the family of carboxylic acids. Provides lubricity, corrosion inhibition and stability to formulations. Can replace neodecanoic and caprylic acids.

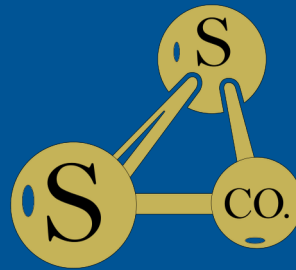
TOFA/DTO

Various grades of tall oil and distilled tall oils.

Lard Oils

Various grades including prime burning, EWS, #1 lard oil.





CHEMICALS FOR INDUSTRY

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V3.0