



SALVI CHEMICAL
INDUSTRIES LTD.

solid foundations, fresh innovations



Iodine

DERIVATIVES



Iodine & Speciality
Chemical



KEY FEATURES

- Salvi Chemical Industries limited (SCIL) is the WORLD'S LARGEST manufacturers across the globe for last **43+ years**.
- SCIL is having all the required certification, viz., GMP, Kosher, Halal, ISO-22000-2005 (HACCP), ISO-9001-2008, FASSC, FDA, FAMI-QS, REACH (Pre-Register), GAIN Approved.
- **Multiple warehouse** (New Jersey, LA, Texas, & Dubai)-customer will receive material "Just In Time" (JIT).
- Multiple products:- In a single shipment/container, we can provide "**Multiple Products**" to save customer inventory level which in turn saves the cash flow and space.
- **Heavy Metals**:- We are testing all our raw materials and finished goods by Automatic Absorption Spectroscopy (AAS) In-House.
- Inductively Coupled Plasma Mass Spectrometry (ICP-MS) Inhouse Microbiology lab with advanced Luminar flow & Incubators

PRODUCTION BASED ON ADVANCE TECHNOLOGY

SCIL have state-of-art designed manufacturing facilities with Air Handling Units. We produce pilot scale products to large scale products in 1,07,000 sq.ft. area.

- Good Manufacturing Practices are strictly followed, while ensuring that good quality products are manufactured & marketed at competitive prices.
- Equipments like Stainless Steel Reactors (100 Itrs-10000 Itrs), Glass Lined Reactors (500 to 6300 Ltrs), Rubber Line Reactors (1000-30000Itrs), Glass Assembly (50-200 Itrs), High Vacuum distillation, Filter Press, Sparkler Filters, Hydroextractors,.Hydrogenators, Rotary Vacuum Dryers, Fluid Bed Dryers, Spin Flash Dryers, Conveyer .Dryers Tray Dryers, Granulators, Micropulverisers, Mill, Shifter, blenders, etc.
- Utilities like steam and high temp. boilers, chilling plants 60t @-5, cooling tower 200t,high vacuum pumps, compressed air, nitrogen plant, ETP 200kl capacity,

TYPES OF REACTION WE HANDLE FROM -55°C TO $+220^{\circ}\text{C}$

IODINATION

METHYLATION

CHLORINATION

NITRATION

SULPHONATION

OXIDATION

REDUCTION

HYDROLYSIS

HALOGENATION

HYDROGENATION

DIAZOTIZATION

ALKYLATION

AMIDATION

SCRUB SYNTHESIS

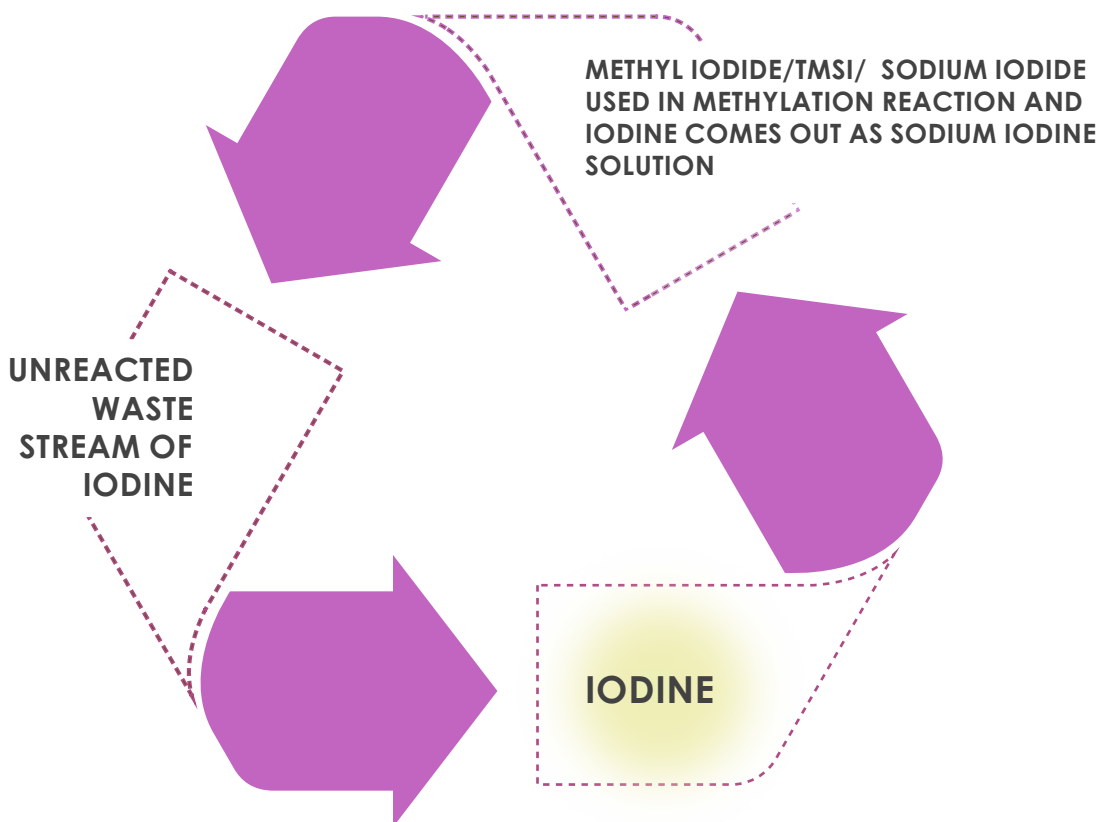
PHOSGENATION

MERCAPTAN CHEMISTRY

BROMINATION

IODINE RECOVERY (RECYCLE STAGE)

- Recovery of Iodine from acute waste stream of API, Where Iodine does not take part in reaction
- Waste streams from phase transfer catalyst where Iodine comes out after itching & washing
- Streams with lower concentration of 0.5 to 50% is recovered to purified elemental Iodine successfully
- Streams with higher concentration above 50% to 85% is recovered to purified elemental Iodine successfully
- Streams/Powder in Organic & Aqueous phase is recovered by extraction & densification chemistry



SPECIALITY AND CUSTOM SYNTHESIS

| PRODUCT NAME | CAS NO. | APPLICATION |
|--|------------|--|
| Methyl Iodide (Iodomethane) | 74-88-4 | Intermediate for Simvastatin clarithromycin |
| Ethyl Iodide (Iodoethane) | 75-03-6 | Used as the hydrogen radical promoter |
| Butyl Iodide | 542-69-8 | Used as an alkylating agent |
| Propyl Iodide | 107-08-4 | Preparation of various medical products including antiseptics, disinfectants. |
| Trimethylsulfoxonium Iodide | 1774-47-6 | Intermediate for Nebivolol, Flucanazole |
| N-Iodosuccinimide | 516-12-1 | Used as source for iodine in radical reactions |
| Iodoform | 75-47-8 | Intermediate use sanitizerfor food |
| Diiodomethane | 75-11-6 | Used in the simmons cyclopropanation of alkenes |
| 3 Iodo 2 Propynyl N-Butyl Carbamate (IPBC) | 55406-53-6 | Used as Protective coatings for wood products |
| Hydroiodic Acid 47% /57% | 10034-85-2 | Intermediate of API 6- Catalyst for acetic acid plant |
| 5-Iodo-2-Methylbenzoic Acid | 54811-38-0 | Intermediate of Canagliflozin |
| Ortho/ 2-Iodobenzoic Acid | 88-67-5 | Intermediate of Etofenamate chlorprothixene |
| 3,5-Diiodosalicylic Acid | 133-91-5 | Intermediate of Closantel Base and Sodium |
| 2-Chloro-5-Iodobenzoic acid | 19094-56-5 | Catalytic agent for Brain Stimulates |
| Periodic Acid 50% & 98%. / Iodic Acid | 10450-60-9 | Used in removal of stencils to facilitate re-use of printing screens & Oxidatation |
| Sodium Metaperiodate | 7790-28-5 | Used as anti oxidizing agent & Fure Retardant |
| Iodine Monochloride (5 molar) | 7790-99-0 | Used for reagent in organic synthesis |
| Iodobenzene | 591-50-4 | Custom Synthesis |
| 3 Iodoaniline | 626-01-7 | It is a reactant used as anti diabetic agents |
| 4 Iodoaniline | 540-37-4 | usedas a chemical intermediates in the manufacturing of dyes, drugs & pesticides. |

BIOCIDE FORMULATION

3 Iodo 2 Propynyl N-Butyl Carbamate (IPBC)
Technical/ 18% / 30%/40%

NYLON & TYRE INDUSTRY

Copper Iodide

Copper iodide & Potassium iodide Blend

Periodic Acid 98/ 50%

Potassium Iodide

LAB CHEMICALS

Ammonium Iodide

Diiodomethane

Ethyl Iodide

Iodoform

Lithium Iodide Anhydrous / Trihydrate

Methyl Iodide

API

| PRODUCT NAME | CAS NO. | APPLICATION |
|--|------------|---|
| Potassium Iodide BP/EP/USP/ Stabilised | 7681-11-0 | Intermediate of API & Food Nutrition, Feed Supplement |
| Sodium Iodide BP/USP | 7681-82-5 | Thyroid disorders, treat iodine deficiency Sclerodine Supplement / Sodium Iodide 20% Injection in cattle |
| Iodoform USP | 75-47-8 | Intermediate use sanitizer |
| Clioquinol USP (Iodochlorohydroxy quinoline) | 130-26-7 | Used in anti fungal cream |
| Diiodo-8-hydroxyquinoline BP/USP | 83-73-8 | Used in Dermatological Disorders |
| Povidone Iodine USP | 25655-41-8 | Antiseptic Agent |
| Thymol Iodide USP | 552-22-7 | Dusting powders and ointments For Baby Diapers |

FEED

| PRODUCT NAME | CAS NO. | APPLICATION |
|--|------------|--|
| Potassium Iodide BP/EP/USP/ Stabilised | 7681-11-0 | Intermediate of API, Feed Nutrition |
| 3,5-Diiodosalicylic Acid | 133-91-5 | intermediate of closantel base and sodium |
| Ethylenediamine dihydroiodide | 5700-49-2 | Feed Nutrition |
| Calcium Iodate Monohydrous / Anhydrous | 40563-56-2 | Feed Nutrition |
| Mercury Iodide | 7774-29-0 | used in blister ointments in Veterinary Medicine & Soap Industries |

FOOD

| PRODUCT NAME | CAS NO. | APPLICATION |
|--|-----------|--|
| Potassium Iodide BP/EP/USP/ Stabilised | 7681-11-0 | Intermediate of API, Feed Nutrition |
| Potassium Iodate BP/EP/USP/ | 7758-05-6 | Used in the iodination of table salt because iodide can be oxidised by molecular oxygen to iodine under wet conditions. |
| Calcium Iodide | 7789-80-2 | as a source of iodine in various applications, particularly in the fields of nutrition for Human, Animal and Agriculture |
| Ferrous Iodide | 7783-86-0 | used as an ingredient in homeopathic medicines. |

ACTIVE PHARMACEUTICALS INGREDIENTS

VETERINARY API

Closantel Base BP/ Micronized

Closantel Sodium BP/USP

Halquinol BP 80

Povidone Iodine 10% /20%

Rafoxanide BP/ Micronized

HUMAN API

Di-Iodo Hydroxyquinoline BP

Iodochlorohydroxyquinoline USP
(Clioquinol)

Povidone Iodine IP/BP/USP/5% / 7.5% /10 %/20%

Minoxidil

Selenium Sulfide USP

Chlorozoxazone USP




METHYL IODIDE

Methyl iodide (CH3I) has various industrial-grade applications due to its unique properties:

Applications:

- **Pharmaceuticals:** Intermediate in synthesis of active pharmaceutical ingredients (APIs), radio pharmaceuticals, and contrast agents.
- **Agricultural Chemicals:** Used in production of pesticides, herbicides, fungicides as soil fumigant.
- **Biotechnology:** Used in molecular biology, protein labeling, and radiolabeling.
- **Materials Science:** Precursor for advanced materials, such as semiconductors and nano materials.
- **Catalysis:** Catalyst or catalyst precursor in various chemical reactions.

PACKAGING DETAILS

| | PACKAGING | CAPACITY LITER | VOYAGE |
|---|--|----------------|----------|
|  | Aluminium Bottle (Non Returnable) | 5, 10 | Domestic |
|  | UN Approved S.S. Drums (Non Returnable) | 30, 50, 100 | Exports |
|  | UN Approved Micromatic Dums (Returnable) | 30, 50, 100 | Exports |

***ALL CONSIGNMENT ARE PALATILE WITH UN APPROVED PACK - AGING, BY SEA OR AIR**

SCIL INVITES YOU FOR A SUCCESSFUL JOINT VENTURE



We have the land space of approx. 85,000 Sq.Mtrs. At the beginning, we have planned to develop 20% land space, accordingly, we are commencing our first phase unit and we will start the manufacturing activity by April-2022. We are projecting manufacturing and revenue rise in the first operational F.Y.2022-23. Further, every following year, we can increase the capacity from 5% to 10% of our Sales turnover capacity.

Key features of Dahej Unit site is, it is surrounded by a number of caustic chlorine producing companies which makes it easy for us to acquire caustic lye and chlorine through pipe line. Also there are oil and gas companies around the unit site which also makes it easy to acquire hydrogen gas. Having said that, all the basic resources are available in a close by surrounding making production work easy and quick and also cost effective. We are also affiliated with common CETP with capacity of 40 MLD by GIDC Dahej (Work under progress).

WE ARE LOOKING FOR A PARTNERSHIP IN THE FOLLOWING AREAS

JOINT VENTURE**JOINT INVESTMENT****PRODUCT TIE-UP****TECH TRANSFER****CUSTOM MANUFACTURING****LOAN LICENSE****JOB-WORK**

ENVIRONMENTAL PRACTICES & AIR POLLUTION CONTROL

- SCIL facility is fully equipped with appropriate vessels pertaining handling of chemicals. Each vessels is equipped with pressure gauges, vents, scrubbers attached to it.
- Each areas are covered with air monitoring units.
- Boilers are attached with standardized chimneys, dust collectors to control environmental temperature.
- Introduction of sustainability, The future of Chemical industries.
- Research & Development on existing polluting products making sustainable by achieving PCB norm of COD, BOD, & Tushery level.
- Investments made on Primary & Secondary effluent treatment facility for 200000ltrs/day in comparison to PCB permission of 55000ltr/day.
- Concept of ZLD (Zero liquid discharge) made possible for existing and new polluting products by processing through Multiple Effect Evaporator.
- Continues research on all products for supporting Eco-toxicology with Green- chemistry to maintain current industry & industrial area.

AIR POLLUTION CONTROL EUIPMENTS



ENVIRONMENTAL PRACTICES & WATER POLLUTION CONTROL

- Introduction of sustainability, The future of Chemical industries.
- Research & Development on existing polluting products making sustainable by achieving PCB norm of COD, BOD, & Tushery level.
- Investments made on Primary & Secondary effluent treatment facility for 200000ltrs/day in comparison to PCB permission of 55000ltr/day.
- Concept of ZLD (Zero liquid discharge) made possible for existing and new polluting products by processing through Multiple Effect Evaporator.
- Continues research on all products for supporting Eco-toxicology with Green- chemistry to maintain current industry & industrial area.



OUR PRODUCTS APPROVED BY:



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FACTORY ADDRESS

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Unit III : E-90, M.I.D.C., Boisar, MH, India.

Unit IV : E-131, M.I.D.C., Boisar, MH, India.

Unit V : 43/44, SEZ, Surat, GJ, India.

Unit VI : 3601, G.I.D.C., Surat, GJ, India.

Unit VII : 1665 / 1666, G.I.D.C., Sarigam, GJ, India.

Unit VIII : 1610/10, G.I.D.C., Sarigam, GJ, India.

Unit IX : D-2, 169, G.I.D.C., Dahej, GJ, India.

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