

2023 year: new scientific and technical developments of SE «Cherkassy NDITEKHIM»

№	Key words (descriptors)	STD name	Date of research (month, year)	Volume, p. p. (A-4, Arial 12)	Developed by (Full name, phone number, e-mail for communication)
1.	Chemical industry, chemical market, Ukraine	Ukrainian chemical industry and chemical market in 2022: facts, situation assessment, trends, forecast. <i>Analytical Report</i>	March 2023	30	Kovenya T.V. mobile: +38 0509945514 tvnikitina55@gmail.com office@nditekhim.com.ua
2.	Chemical industry, import dependence, Ukraine	Import substitution. Statistical and analytical data on possible import substitution of chemical products (chemical raw materials, semi-raw materials, final chemical products, traditionally supplied to Ukraine from Russia and Belarus (data for 2021-2022)). <i>Analytical reference</i>	March 2023	20	Kovenya T.V. mobile: +38 0509945514 tvnikitina55@gmail.com office@nditekhim.com.ua
3.	Chemical industry, chemical market, Ukraine	Analytical assessment of the situation in the Ukrainian chemical industry and the domestic chemical products market for the 1st quarter of 2023. <i>Analytical Reference</i>	April 2023	16	Kovenya T.V. mobile: +38 0509945514 tvnikitina55@gmail.com office@nditekhim.com.ua
4.	Chemical industry, chemical market, Ukraine	Analytical assessment of the situation in the Ukrainian chemical industry and the domestic chemical products market for the 2nd quarter of 2023. <i>Analytical Reference</i>	July 2023	20	Kovenya T.V. mobile: +38 0509945514 tvnikitina55@gmail.com office@nditekhim.com.ua
5.	Chemical industry, chemical market, Ukraine	Analytical assessment of the situation in the Ukrainian chemical industry and the domestic chemical products market for the 3rd quarter of 2023. <i>Analytical Reference</i>	September 2023	22	Kovenya T.V. mobile: +38+ 0509945514 tvnikitina55@gmail.com office@nditekhim.com.ua
6.	Chemical industry,	Analytical assessment of the situation in the Ukrainian chemical	December 2023	54	Kovenya T.V. mobile: +38 0509945514

	chemical market, Ukraine	industry and the domestic chemical products market for the year 2023. Analytical Note			tvnikitina55@gmail.com office@nditekhim.com.ua
7.	Essential oils, Ukraine	Essential Oils. Technological, technical, market, and technical-economic aspects of production and market. Justification for the creation of production facilities. Profiles of manufacturers and consumers. <i>Targeted Analytical Research</i>	April 2023	116	Kovenya T.V. mobile:+38 0509945514 tvnikitina55@gmail.com office@nditekhim.com.ua
8.	Liquid manufacturing, chemical products, Ukraine	Creation of liquid manufacturing of final consumer products with added value and moderate capital intensity in Ukraine (analysis based on foreign trade, statistical, factual, and communicative information). <i>Targeted Analytical Research</i>	April 2023	116	Kovenya T.V. mobile:+38 0509945514 tvnikitina55@gmail.com office@nditekhim.com.ua
9.	Азотні добрива, Україна	Nitrogen fertilizers. Comprehensive analysis of actual and forecasted (up to 2030) consumption of nitrogen fertilizers in Ukraine by type, considering global and regional changes in the world production and trade of fertilizers. <i>Targeted Analytical Research</i>	May 2023	118	Kovenya T.V. mobile:+38 0509945514 tvnikitina55@gmail.com office@nditekhim.com.ua
10.	Chemical productions, modular installations	Modular installations for the production of basic chemical products (ammonia, methanol, formaldehyde, etc.) from various raw materials (bio-raw materials). Detailed technological and equipment review in terms of company-licensors. Price aspect. <i>Targeted Analytical Research</i>	June 2023	77	Kovenya T.V. mobile: +38 0509945514 tvnikitina55@gmail.com office@nditekhim.com.ua
11.	Magnesium oxide	Magnesium oxide. Analysis and trends of the global and Ukrainian market of magnesium oxide of	October 2023	148	Kovenya T.V. mobile: +38 0509945514 tvnikitina55@gmail.com office@nditekhim.com.ua

		<p>various qualifications.</p> <p>Technological and market aspects of magnesium oxide in nanoforms.</p> <p><i>Targeted Analytical Research</i></p>			
12.	Liquid complex fertilizers LCF-NP (Ukraine)	<p>Liquid complex NP fertilizers. Market analysis of liquid complex fertilizers (LCF-NP) in Ukraine.</p> <p>Product range. Changes in foreign trade and the RDK-NP market. <i>Targeted Analytical Research</i></p>	October 2023	150	<p>Kovenya T.V.</p> <p>mobile: +38 0509945514</p> <p>tvnikitina55@gmail.com</p> <p>office@nditekhim.com.ua</p>
13.	Licensors (licensees), engineering companies, innovative technologies of chemicals production	<p>Any chemical productions (custom-ordered).</p> <p><i>Analytical-Factographic References</i></p>	Continuously	20-25	<p>Kovenya T.V.</p> <p>mobile:+38 0509945514</p> <p>tvnikitina55@gmail.com</p> <p>office@nditekhim.com.ua</p>
14.	Modified starches (MS), dextrans, adhesives based on MS, Ukraine	<p>Modified starches (dextrans): Deep processing. technological, technical, market, and technical-economic aspects. Detailed calculations. Consumer niches. Current data on consumers.</p> <p><i>Targeted Analytical Research</i></p>	July 2023	78	<p>Kosenko S.</p> <p>Kovenya T.V.</p> <p>Тел.: +38(0472)37-41-65</p> <p>niitehim@nditekhim.com.ua</p>
15.	Sulfuric acid, Ukrainian, world and regional markets (review)	<p>Sulfuric acid. Status of production and consumption in Ukraine, market growth potential. Processing chains, structure, and balances. Overview analysis of regional markets.</p> <p><i>Analytical research</i></p>	October 2023	64	<p>Kosenko S.O.</p> <p>Kovenya T.V.</p> <p>Тел.: +38(0472)37-41-65</p> <p>niitehim@nditekhim.com.ua</p>
16.	Chemical safety, chemical product management, legislation	<p>Practical guide on the requirements of new legislation of Ukraine in the sphere of chemical safety and chemical product management, relevant procedures and changes in market regulation</p> <p><i>(to be enacted from 29.06.2024)</i></p>	March 2023		<p>Mukomela A. M.</p> <p>mobile: +38 0988280322</p> <p>reach_cherkassy@mail.com</p>

17.	Packaging products, biopolymers	Packaging products. Environmentally friendly raw materials for the production of packaging products (biopolymers, nanobiopolymers, arboform/liquid "wood", paper plastic, etc.). <i>Technological Overview</i>	May 2023	38	Mukomela A. M. mobile: +38 0988280322 reach_cherkassy@mail.com
18.	Safety Data Sheets (SDS)	Safety Data Sheets (SDS) for required products. Developed in accordance with international and national legislation or standards in English and/or Ukrainian	Continuously	x	Mukomela A. M. mobile: +38 0988280322 reach_cherkassy@mail.com Berenzon I. P. +38 0964737227 vipneferaton@ukr.net
19.	Additives to concretes and building solutions, plasticizing, Ukraine	Additives to concretes (plasticizing) and building solutions. Technological, technical, market, technical-economic, environmental, normative-technical aspects of production and market. Justification for the creation of production facilities. Profiles of producers and consumers. <i>Analytical review</i>	March 2023	292	Goncharova N. M. Tel. +38(0472) 36-03-29 niitehim.info@gmail.com +38(0472)37-41-65 niitehim@nditekhim.com.ua
20.	Sulfur technical, world, Ukraine	Sulfur technical. Analysis of the world, regional, and national market. Production-consumption balances (by countries). Price analysis. Logistics supply routes. <i>Analytical Review</i>	March 2023	145	Goncharova N. M. Tel. +38(0472) 36-03-29 niitehim.info@gmail.com +38(0472)37-41-65 niitehim@nditekhim.com.ua
21.	Calcium-ammonium nitrate (CAN), world, Ukraine	Calcium-Ammonium Nitrate (CAN). Global production and world trade (by regions and countries), balances, forecast data. Modification of product brands. <i>Targeted analytical research</i>	April 2023	119	Goncharova N. M. Tel. +38(0472) 36-03-29 niitehim.info@gmail.com +38(0472)37-41-65 niitehim@nditekhim.com.ua
22.	AHA-acids, citric acid, world, Ukraine	AHA-Acids. Citric acid. Analysis of all main aspects of the domestic citric acid market. Assessment of opportunities for creating competitive production of citric acid and/or other AHA-acids in Ukraine.	May 2023	174	Goncharova N. M. Tel. +38(0472) 36-03-29 niitehim.info@gmail.com +38(0472)37-41-65 niitehim@nditekhim.com.ua

		<i>Targeted analytical research</i>			
23.	Sulfoamophos, world, Ukraine	Sulfoamophos. Ukraine (Detailed analysis). Overview: global production and world trade (by regions and countries), balances, forecast data. <i>Targeted analytical research</i>	June 2023	175	Goncharova N. M. Tel. +38(0472) 36-03-29 niitehim.info@gmail.com +38(0472)37-41-65 niitehim@nditekhim.com.ua
24.	Oleic, stearic acids, Ukraine and world	Fatty acids. Processing into commercial products. Technological, technical, market, technical-economic aspects. Detailed calculations. Consumer niches. Current data on consumers. <i>Targeted analytical research</i>	July 2023	161	Goncharova N. M. Tel. +38(0472) 36-03-29 niitehim.info@gmail.com +38(0472)37-41-65 niitehim@nditekhim.com.ua
25.	Sodium chloride	Sodium chloride. Market research of sodium chloride (technical and food salt, purified sodium chloride) in Ukraine and European countries. <i>Targeted analytical research</i>	August 2023	377	Goncharova N. M. Tel. +38(0472) 36-03-29 niitehim.info@gmail.com +38(0472)37-41-65 niitehim@nditekhim.com.ua
26.	PE reinforced pipes, Ukraine	Polyethylene reinforced pipes. Technological, technical, market, technical-economic aspects. Justification for the expansion of production (creation of new production) in Ukraine considering raw material aspects. <i>Targeted analytical research</i>	September 2023	157	Goncharova N. M. Tel. +38(0472) 36-03-29 niitehim.info@gmail.com +38(0472)37-41-65 niitehim@nditekhim.com.ua
27.	Phosphoric acid, Ukraine and world	Phosphoric acid. Status of production and consumption in Ukraine, market growth potential. Chains, structure, and processing balances. Overview analysis of regional markets (in the context of the possibility/feasibility of importing the commercial product to Ukraine). <i>Targeted analytical research</i>	October 2023	166	Goncharova N. M. Tel. +38(0472) 36-03-29 niitehim.info@gmail.com +38(0472)37-41-65 niitehim@nditekhim.com.ua

28.	Acetic acid, ethyl acetate, Ukraine	Acetic acid. Ethyl acetate. Analysis of the state of commodity markets of acetic acid and ethyl acetate in Ukraine. <i>Analytical review</i>	March 2023	68	Sokolenko L. M. Tel. +38 (0472) 374165 niitehim@nditekhim.com.ua
29.	Mineral fertilizers, granulation, innovative technologies	Mineral fertilizers (granulation). Global innovation, technological and equipment experience in granulation of mineral fertilizers. <i>Technological review</i>	April 2023	57	Sokolenko L. M. Tel. +380(472) 374165 niitehim@nditekhim.com.ua
30.	Biodegradable agrotexiles, biopolymers	Biodegradable agrotexiles based on biopolymers. Technological, technical, market, technical-economic aspects. Detailed calculations. Consumer niches. Current data on consumers. <i>Targeted analytical research</i>	June 2023	65	Sokolenko L. M. Tel. +380(472) 374165 niitehim@nditekhim.com.ua
31.	Lysine, Ukraine	Lysine and related amino acids. Technological, technical, technical-economic, market aspects. <i>Targeted analytical research</i>	July 2023	66	Sokolenko L. M. Tel. +380(472) 374165 niitehim@nditekhim.com.ua
32.	Bischofite, Ukraine, Europe	Market of magnesium chloride hexahydrate (bischofite) and de-icing materials (DM) based on magnesium chloride and calcium chloride in Ukraine and European countries. <i>Targeted analytical research</i>	September 2023	180	Sokolenko L. M. Tel. +380(472) 374165 niitehim@nditekhim.com.ua
33.	Mineral raw materials, Ukraine	Preconditions for using overburden rocks and wastes from enrichment of potential ore-bearing regions of Ukraine for the production of building and industrial-technical materials. <i>Targeted analytical research</i>	November 2023		Sokolenko L. M. Tel. +380(472) 374165 niitehim@nditekhim.com.ua
34.	Modification of nitrogen fertilizers, technologies, additives	Technologies for the production of stabilized nitrogen fertilizers and modifying additives to improve their consumer characteristics.	December 2023		Sokolenko L. M. Tel. +380(472) 374165 niitehim@nditekhim.com.ua

		<i>Targeted analytical research</i>			
35.	Construction chemicals, creation of productions, Ukraine	Innovative types of construction chemicals. Assessment of opportunities for creating modern types of construction chemicals production in Ukraine based on domestic raw materials. <i>Targeted analytical research</i>	March 2023	38	Deeva O. O. Tel. +380(472) 374165 niitehim@nditekhim.com.ua
36.	Biodiesel, mini-TEJ (technical-economic justification), Ukraine	Biodiesel. Mini-TEJ for creation of biodiesel production in Ukraine. <i>Targeted analytical research</i>	April 2023	60	Deeva O. O. Tel. +380(472) 374165 niitehim@nditekhim.com.ua
37.	Biodiesel, crude glycerin, lactic acid, polylactide, Ukraine	Biodiesel/crude glycerin/lactic acid/polylactide/PLA. Technological, technical, market, technical-economic aspects. Justification for the creation of full-cycle production (TEJ). <i>Targeted analytical research</i>	May 2023	62	Deeva O. O. Тел.: +38 (0472) 37- Tel. +380(472) 374165 niitehim@nditekhim.com.ua
38.	Anticaking agents, fertilizers, Ukraine	Anticaking agents. Technological, recipe, market, and commercial aspects of production of anticaking agents for fertilizer production in Ukraine. <i>Analytical review</i>	June 2023	60	Deeva O. O. Tel. +380(472) 374165 niitehim@nditekhim.com.ua
39.	Bioethanol, Ukraine	Bioethanol. Technological, technical, market, technical-economic aspects. Processing into commercial products. Calculations. <i>Targeted analytical research</i>	July 2023	53	Deeva O. O. Tel. +380(472) 374165 niitehim@nditekhim.com.ua
40.	Post-alcohol stillage, Ukraine	Dry stillage (DDGS). Technological, technical, market, technical-economic aspects. Justification for the creation of production. Profiles of producers and consumers. <i>Targeted analytical research</i>	August 2023	53	Deeva O. O. Tel. +380(472) 374165 niitehim@nditekhim.com.ua

41.	Bentonite, Ukraine	<p>Bentonite. Analysis of the current state of production and consumption of bentonite in Ukraine. Trends and prospects for development of the only operating industrial-scale Cherkasy (Dashukivka) deposit of bentonite clays in the context of the suspension of production activity since the start of the full-scale war by the leading domestic producer of bentonite products - PrJSC "Weighting Agents Plant" (Kostiantynivka, Donetsk Region).</p> <p><i>Targeted analytical research</i></p>	October 2023	58	Deeva O. O. Tel. +380(472) 374165 niitehim@nditekhim.com.ua
42.	ETBE, MTBE, Ukraine	<p>Ethyltertbutyl ether (ETBE, high-octane gasoline additive): Technological, market, technical-economic aspects of production and consumption in the world and Ukraine. Assessment of the feasibility of creating production in Ukraine (supply chain analysis) considering the positions of the substitute product (MTBE).</p> <p><i>Targeted analytical research</i></p>	October 2023	59	Deeva O. O. Tel. +380(472) 374165 niitehim@nditekhim.com.ua
43.	Coagulants, Ukraine	<p>Coagulants. Detailed, expanded analysis and forecast of domestic production and commodity market of coagulants for water treatment and wastewater processing. Types aspects. Global trends and assessment of their impact on the state of domestic production and consumption of coagulants (technological, consumer, ecological aspects).</p> <p><i>Targeted analytical research</i></p>	November 2023	70	Deeva O. O. Tel. +380(472) 374165 niitehim@nditekhim.com.ua
44.	Succinic acid, Ukraine	<p>Succinic (amber) acid. Technological, technical, market, technical-economic aspects.</p>	December 2023	70	Deeva O. O. Tel. +380(472) 374165 niitehim@nditekhim.com.ua

		Justification for the creation of succinic acid production in Ukraine. <i>Targeted analytical research</i>			
45.	Anhydrous ammonia, Ukraine, world	Anhydrous Ammonia. Analysis of global and major regional markets. Key trends. Forecasted balances of demand and supply up to 2030. Price market trends. <i>Targeted analytical research</i>	April 2023	41	Kaniuka I. V. Tel. +380(472) 374165 niitehim@nditekhim.com.ua
46.	Biogas, biomethane, Europe, Ukraine	Biogas (biomethane). Analysis of the state of production and consumption of biomethane in European Countries and Ukraine. Technical-economic and market feasibility of increasing biomethane production in Ukraine as a raw material base for the chemical industry. <i>Targeted analytical research</i>	March 2023	42	Kaniuka I. V. Tel. +380(472) 374165 niitehim@nditekhim.com.ua
47.	Industrial urea, world, Ukraine	Industrial urea. Detailed product-assortment analysis of domestic production and commodity market in Ukraine. Market forecast and structure. Trends. Current profiles of producers (global perspective, specifications) and consumers. <i>Targeted analytical research</i>	May 2023	49	Kaniuka I. V. Tel. +380(472) 374165 niitehim@nditekhim.com.ua
48.	Potassium chloride, Potassium sulfate, Ukraine, EU	Potassium Fertilizers. Research on the state of production and market conjuncture of chloride-containing and chloride-free potassium fertilizers in Ukraine and Eastern European countries. <i>Targeted analytical research</i>	September 2023	107	Kaniuka I. V. Tel. +380(472) 374165 niitehim@nditekhim.com.ua

49.	Ammonium thiosulfate, inhibitor, Ukraine	Ammonium thiosulfate. Main aspects of establishing ammonium thiosulfate production in Ukraine. <i>Targeted analytical research</i>	June 2023	44	Kaniuka I. V. Tel. +380(472) 374165 niitehim@nditekhim.com.ua
50.	Magnesium hydroxide, Ukraine, EU	Magnesium hydroxide. Market research of magnesium hydroxide in Ukraine and European countries. <i>Targeted analytical research</i>	October 2023	80	Kaniuka I. V. Tel. +380(472) 374165 niitehim@nditekhim.com.ua
51.	Carbon black, Ukraine and world (overview)	Carbon black. Market trends and consumption on the global market. State of production and consumption in Ukraine, raw material aspects, forecast market evaluation. <i>Targeted analytical research</i>	November 2023	70	Kaniuka I. V. Tel. +380(472) 374165 niitehim@nditekhim.com.ua
52.	Rubber technical products, Ukraine	Rubber technical products. Raw material, technological, and market aspects of production in Ukraine. Segment analysis of consumption, forecast of market trends and development. Main aspect – liquidity. <i>Targeted analytical research</i>	December 2023	80	Goncharova N. M. Tel. +38(0472) 36-03-29 niitehim.info@gmail.com +38(0472)37-41-65 niitehim@nditekhim.com.ua
53.	Innovative technologies and practices, chemical industry	Analytical reviews of innovative technologies and practices. Reviews are developed on request for any chemical production based on representative information sources	Continuously	x	Kaniuka I. V. Tel. +380(472) 374165 niitehim@nditekhim.com.ua
54.	Foam polyurethanes (FPU), flexible FPU, Ukraine	Foam polyurethanes. Sectoral analysis of production of flexible foam polyurethanes in Ukraine and raw material supply of the industry for the period 2019-2022. <i>Targeted analytical review</i>	March 2023	58	Pogorila N. V. Tel. +380(472) 374165 niitehim@nditekhim.com.ua
55.	Biopesticides, Ukraine, world	Biopesticides. Detailed product-assortment analysis of the domestic commodity market. Consumer niches. Current	May 2023	130	Pogorila N. V. Tel. +380(472) 374165 niitehim@nditekhim.com.ua

		data on consumers. <i>Targeted analytical review</i>			
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