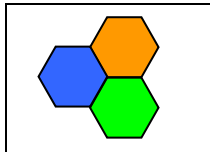


Greenhouse Gas Emissions Inventory

[Sarna Chemical Private Limited]
[2023-2024]



Has this inventory been verified by an accredited third party?
<input type="checkbox"/> No
<input type="checkbox"/> Yes – Internal Verifying Committee
Date of verification: 20/02/2023
Verifier: Dr. Mohit Rajani & Dr. Rajpratap Kshatriya
Email: rnd1@sarnachemicals.com
Phone: 91-90999 50605
Address: Plot No.805/2&3,3rd Phase, G.I.D.C., VAPI - 396 195, Gujarat, India

REQUIRED INFORMATION

Have any facilities, operations and/or emissions sources been excluded from this inventory? If yes, please specify.
No
Reporting period covered by this inventory
From 01/01/2023 to 31/12/2023

ORGANIZATIONAL BOUNDARIES

Which consolidation approach was chosen (check each consolidation approach for which your company is reporting emissions.) <i>If your company is reporting according to more than one consolidation approach, please complete and attach an additional completed reporting template that provides your company's emissions data following the other consolidation approach(es).</i>		
Equity Share <input type="checkbox"/>	Financial Control <input type="checkbox"/>	Operational Control <input type="checkbox"/>

OPERATIONAL BOUNDARIES

Are Scope 3 emissions included in this inventory?
yes <input type="checkbox"/> no <input type="checkbox"/>
If yes, which types of activities are included in Scope 3 emissions?
Transport & Procurement, Employee, Waste Water & Upstream process

INFORMATION ON EMISSIONS

The table below refers to emissions independent of any GHG trades such as sales, purchases, transfers, or banking of allowances

EMISSIONS	TOTAL (mtCO ₂ e)	CO ₂ (mt)	CH ₄ (mt)	N ₂ O (mt)	HFCs (mt)	PFCs (mt)	SF ₆ (mt)
Scope 1	5296.8422	5281.54	0.5303	13.609	00	00	00
Scope 2	2290	2290	00	00	00	00	00
Scope 3 (OPTIONAL)	3.749	2.7046	0.5527	0.4917	00	00	00

Direct CO ₂ emissions from Biogenic combustion (mtCO ₂)
00

BASE YEAR

Year chosen as base year							
2023							
Clarification of company-determined policy for making base year emissions recalculations							
Internal Inventory management committee suggestion							
Context for any significant emissions changes that trigger base year emissions recalculations							
NA							
Base year emissions							
EMISSIONS	TOTAL (mtCO ₂ e)	CO ₂ (mt)	CH ₄ (mt)	N ₂ O (mt)	HFCs (mt)	PFCs (mt)	SF ₆ (mt)
Scope 1	5296.8422	5281.54	0.5303	13.609	00	00	00
Scope 2	2290	2290	00	00	00	00	00
Scope 3 (OPTIONAL)	3.749	2.7046	0.5527	0.4917	00	00	00

METHODOLOGIES AND EMISSION FACTORS

Methodologies used to calculate or measure emissions other than those provided by the GHG Protocol. (Provide a reference or link to any non-GHG Protocol calculation tools used)
EPA guidelines

Optional Information

ORGANIZATIONAL BOUNDARIES

List of all legal entities or facilities over which reporting company has equity share, financial control or operational control	% equity share in legal entity	Does reporting company have financial control? (yes/no)	Does reporting company have operational control? (yes/no)
NA			
NA			
NA			
NA			

If the reporting company's parent company does not report emissions, include an organizational diagram that clearly defines relationship of the reporting subsidiary as well as other subsidiaries
NA

INFORMATION ON EMISSIONS

Emissions disaggregated by source types	
Scope 1: Direct Emissions from Owned/Controlled Operations	
a. Direct Emissions from Stationary Combustion	5058.37
b. Direct Emissions from Mobile Combustion	65.701
c. Direct Emissions from Process Sources	00
d. Direct Emissions from Fugitive Sources	00
e. Direct Emissions from Agricultural Sources	00
Scope 2: Indirect Emissions from the Use of Purchased Electricity, Steam, Heating and Cooling	
a. Indirect Emissions from Purchased/Acquired Electricity	2290 MT
b. Indirect Emissions from Purchased/Acquired Steam	00
c. Indirect Emissions from Purchased/Acquired Heating	00
d. Indirect Emissions from Purchased/Acquired Cooling	00

Emissions disaggregated by facility (recommended for individual facilities with stationary combustion emissions over 10,000 mtCO ₂ e)	
Facility	Scope 1 emissions
Production (Neptha)	4992.68 MT
Production (Diesel)	65.701 MT
Mobile (Diesel)	223.16

Emissions disaggregated by country	
Country	Emissions (specify Scopes included)
NA	
NA	
NA	

Emissions attributable to own generation of electricity, heat, or steam that is sold or transferred to another organization
NA

Emissions attributable to the generation of electricity, heat or steam that is purchased for re-sale to non-end users
NA

Optional Information

Emissions from GHGs not covered by the Kyoto Protocol (e.g., CFCs, NO _x)
NA

Information on the causes of emissions changes that did not trigger a base year emissions recalculation (e.g., process changes, efficiency improvements, plant closures)
Technology Installation

GHG emissions data for all years between the base year and the reporting year (including details of and reasons for recalculations, if appropriate)
NA

Relevant ratio performance indicators (e.g. emissions per kilowatt-hour generated, sales, etc.)
0.70 Kg/KWH

An outline of any GHG management/reduction programs or strategies
NET ZERO in 2050

ADDITIONAL INFORMATION

Information on any contractual provisions addressing GHG-related risks and obligations
NA

An outline of any external assurance provided and a copy of any verification statement, if applicable, of the reported emissions data.
NA

Information on the quality of the inventory (e.g., information on the causes and magnitude of uncertainties in emission estimates) and an outline of policies in place to improve inventory quality
Improvement is continued towards inventory management

Information on any GHG sequestration
NA

INFORMATION ON OFFSETS

Information on offsets that have been purchased or developed <i>outside</i> the inventory boundary		
Quantity of GHGs (mtCO ₂ e)	Type of offset project	Were the offsets verified/certified and/or approved by an external GHG program (e.g., CDM)
00		
00		

Information on reductions <i>inside</i> the inventory boundary that have been sold/transferred as offsets to a third party.		
Quantity of GHGs (mtCO ₂ e)	Type of offset project	Were the offsets verified/certified and/or approved by an external GHG program (e.g., CDM)
00		
00		

Optional Information