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Sodastream U.S. DOT Special Permit DOT SP-20796

Storage, handling & shipping information

Table of Contents

- Introduction
- DOT-SP-20796 Highlights
- Sodastream 60L CO_2 Cylinders
  - Cylinder information
  - Proprietary, closed-loop system
- Carbon Dioxide (CO_2) Information
- Storage & Handling
- Exception Handling
- Supply Chain Impact
  - Forward Logistics
  - Reverse Logistics
  - Shipping Instructions

Introduction

- The United States Department of Transportation (DOT) has granted Special Permit (DOT-SP 20796), enabling Sodastream and its partners to comply with Hazardous Materials Regulations (HMR) in a different way than what is prescribed in the HMR
- To obtain DOT-SP 20796 from the U.S. DOT, Sodastream provided ample data about the safety of our cylinders as well as information about the strength of our processes to design, manufacture, fill, inspect, and test cylinders used to ship compressed gas
- Through many years of experience safely shipping compressed carbon dioxide (CO2), Sodastream provided sufficient justification and successfully demonstrated that the alternative approach provides the level of safety required by the U.S. department of Transportation

DOT-SP 20796 Highlights

New SP enables the transportation of 60L cylinders with partial relief from DOT HazCom & training requirements

Area	Highlights
Cylinders	• 0.64L (60L) Cylinders DOT 3AL, TC/3ALM, ISO 7866 marked as req. by HMR
Shipping Qty	• Shipments with Gross Weight < 12,000 Kg (26,400 Lb)
Communication & Training	• Publicly available information/training in lieu of full HazMat training • Clear handling instructions must be provided on packaging • Website and toll free number to access SP emergency response, compliance information must be available to trading partners
Packaging	• Specially marked cardboard packaging • Cylinders only and/or SWM with cylinders • Emergency response information access (e.g., Toll free number, web link)
Shipping Documentation	• SP number included in the item's description on BOL/Shipping Label • Carriers/Drivers must have access to copy of special permit

A copy of the special permit is available at www.sodastream.com/DOT

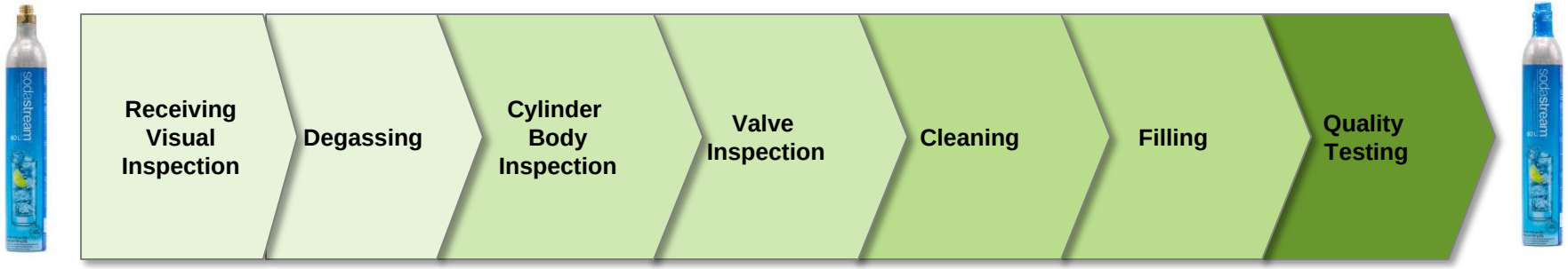
Sodastream 60L CO_2 Cylinders

Sodastream cylinders are processed exclusively through our proprietary closed-loop filling system

Area	Highlights
Safety Valve	• Machined, solid-brass safety valve designed to exceed operational pressure specifications
Sturdy Body	• Heavy gauge, hardened aluminum body w/side wall & bottom thickness that exceed standard application specifications
Safety-minded Filling specifications	• Standard CO_2 Filling pressure set well below cylinder maximum operating specifications
Proprietary closed loop	• Manufactured and filled only at SodaStream facilities, used exclusively to store Sodastream food-grade CO_2

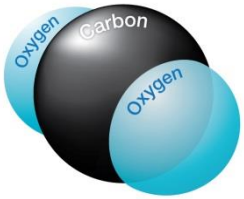
Closed-Loop Filling System

Only cylinders successfully passing rigorous inspection and quality testing process are re-filled for shipment



- ✓ Every cylinder is returned to ***dedicated SST processing facility***
- ✓ ***Inspection of each cylinder's body*** is performed, cylinders with even small physical blemishes are rejected
- ✓ ***Every safety valve is inspected***, non-conforming valves are replaced
- ✓ Cylinders are ***emptied and thoroughly cleaned*** before re-filling
- ✓ ***Only high-quality, food-grade CO_2*** is used to refill SST cylinders
- ✓ Re-filled cylinders are quality checked to confirm ***strict filling and performance specifications*** are met

CO_2 is a naturally occurring gas; it is present in the air we breathe, the water we drink and the food we eat



About Carbon Dioxide (CO_2)

- ***Humans and animals breathe out CO_2***, plants need it to grow, it is a common ingredient in drinks and candies
- At ***natural concentration levels, CO_2 is not toxic***

CO_2 Concentration Comparison

- ✓ *The air in a typical 100,000 SF (~4MM ft^3) warehouse may include approx.* ***16,000 ft^3*** *of CO_2*
- ✓ *In contrast one 60L Sodastream cylinder contains* ***9 ft^3*** *of CO_2*

Oxygen – Carbon Dioxide Cycle

Plants take in Carbon Dioxide (CO_2) and produce Oxygen through photosynthesis…

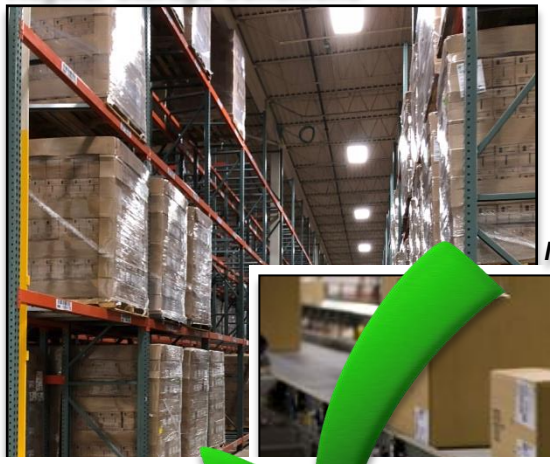
…humans and other living things inhale Oxygen and exhale Carbon Dioxide (CO_2)

Sodastream 60L CO2 cylinders and sparkling water makers do not require special handling or special storage conditions

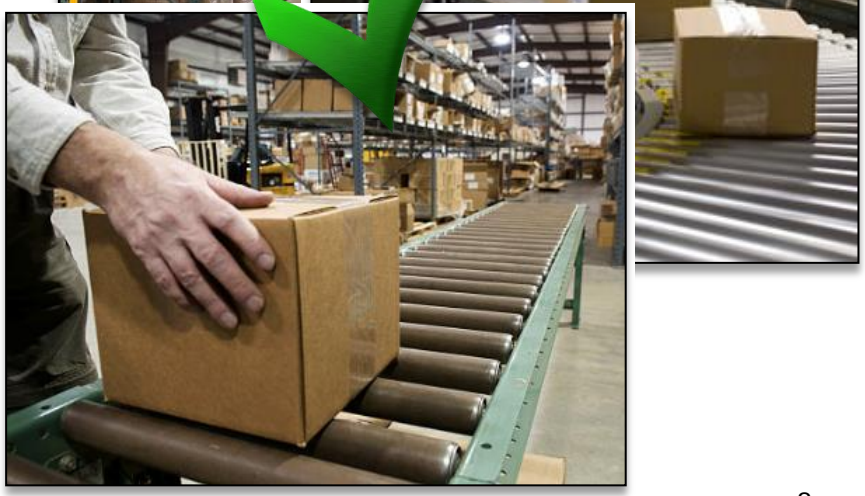
Sodastream 60L Cylinder Storage & Handling

- Sodastream CO_2 cylinders and Sparkling Water Maker kits containing cylinders are ***securely packaged in sturdy corrugate boxes***
- Sodastream ***CO_2 cylinders require no special storage conditions***
- *Storage facilities* ***do not require Hazmat certification***
- ***Personnel*** handling Sodastream CO_2 cylinders ***require no special Hazmat or handling training***

Regular Storage Conditions



Normal Material Flow



Normal Handling Procedures

Specially marked packaging is required to ship CO_2 cylinders, contact Sodastream if replacement packaging is needed

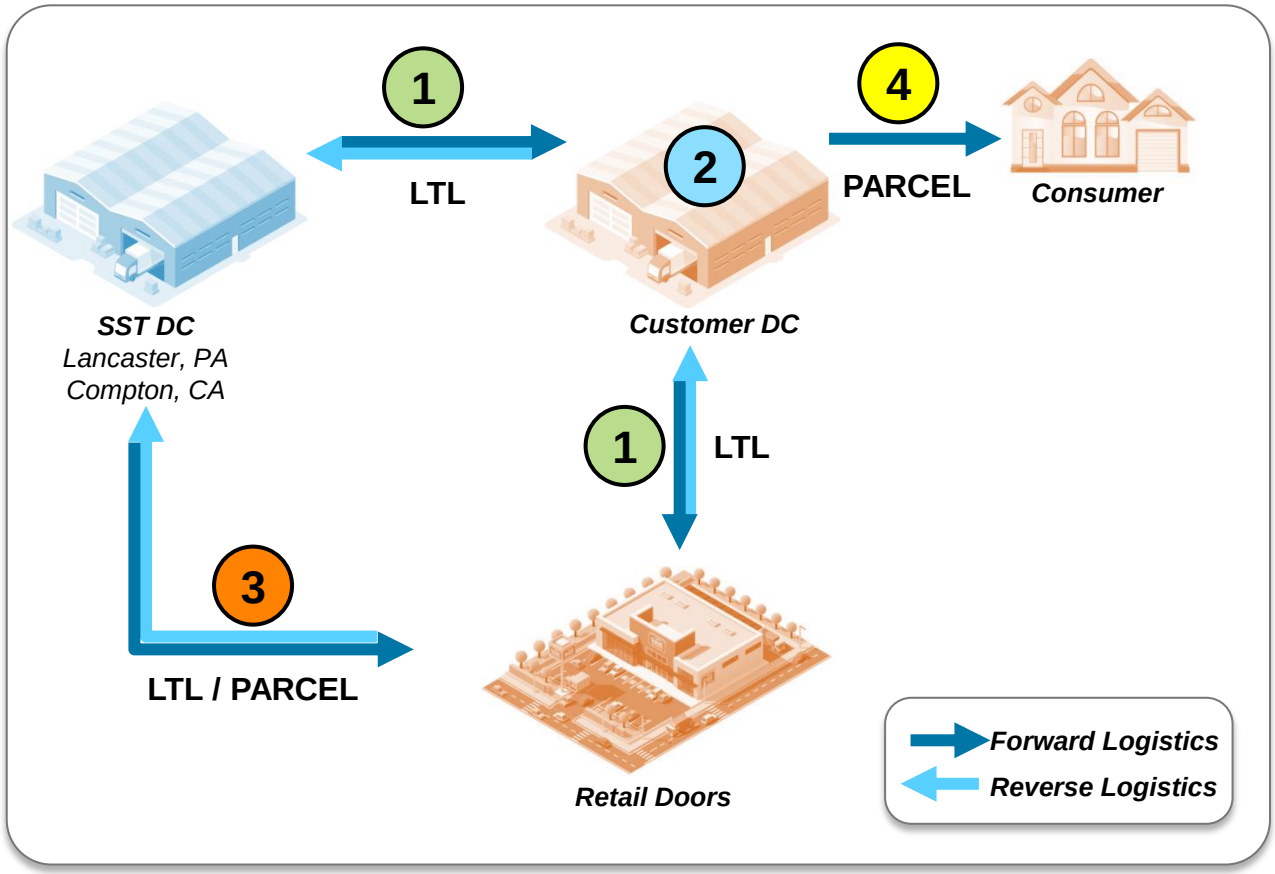
Handling Exceptions	
Situation	***Action***
• If Sodastream shipping cartons become damaged	✓ Contact Sodastream to request replacement packaging
• If Sodastream CO_2 cylinders become noticeably damaged (e.g., bent or dented)	✓ Set damaged cylinders aside, contact Sodastream for assistance
• Other unusual handling situations	✓ Contact Sodastream for assistance

- *Sodastream CO_2 cylinders' safety valve is designed to release the cylinder contents if pressure exceeds maximum working pressure*
- *It is highly unlikely that Sodastream CO_2 cylinders cause an emergency during the course of normal warehouse and logistics operations*

In the event of an emergency
Call CHEMTREC at 1-800-424-9300
ID#CCN20435

Special Permit Supply Chain Impact

SP eases the regulatory burden on logistics chain for 60L cylinders, including that of retail partners



Areas Impacted

1. FTL/LTL shipments up to 12,000 Kg including SWM and Full CO_2 Cylinders from SST to customer DC and from customer DC to retail stores
2. Training requirements for personnel handling SST inventory along the supply chain including customers DCs
3. Parcel/LTL shipments between retail stores & SST
4. Parcel shipments from customer DCs direct to consumers

Retail partners: *Contact your sales representative for information about shipping under Sodastream's Special Permit*

Shipments including 60L CO2 cylinders are no longer subject to HazMat surcharges under the new DOT Special Permit

From	To	Impact	Customer Action / Next Step
SST DC	***Customer DC***	• Regular Bill of Lading with updated product description is needed • No additional Hazmat documentation required • Exterior truck hazmat placard not required • Driver Hazmat certification/training not required	**Prepaid Freight Customers** • No action required. SST has aligned with logistics partners to ship under new special permit **Collect Freight Customers** • Alignment with your freight carriers to avoid hazmat surcharges is recommended when shipped under new special permit
Customer DC	***Customer Store***	• Regular Bill of Lading with updated product description is needed • No additional Hazmat documentation required • Exterior truck hazmat placard not required • Driver Hazmat certification/training not required	• Alignment with your freight carriers to avoid hazmat surcharges is recommended when ship under new special permit • Items must be shipped in Sodastream provided special-permit-compliant packaging

Use of Sodastream specially-marked packaging and alignment with freight and parcel carriers is required to leverage new SST DOT Special Permit

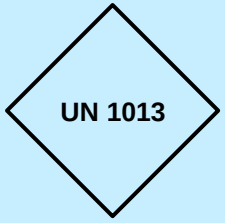
Returns of Sodastream MTBs with empty 60L CO2 cylinders can also ship under the new DOT Special Permit

From	To	Impact	Customer Action / Next Step
Customer Store	***Customer DC***	**FTL / LTL Shipments** • Regular Bill of Lading with updated product description is needed • No additional Hazmat documentation required • Exterior truck hazmat placard not required • Driver Hazmat certification/training not required **Parcel Shipments** • Regular parcel shipping label + Supplemental product description label (pre-affixed by SST) is needed • No additional Hazmat documentation required	• Alignment with your freight carriers to avoid hazmat surcharges is recommended when ship under new special permit • Items must be shipped in Sodastream provided MTB packaging
Customer Store ***or*** ***Customer DC***	***SST DC***		• No action required. SST has aligned with logistics partners to ship under new special permit

Little or no changes are required to current store and warehouse level 60L CO2 cylinder return Standard Operating Procedures (SOPs)

60L vs. 130L CO_2 Cylinders

New Special Permit creates dual processing tracks for 60L and 130L cylinders

Cylinder	Box Markings	In a Nutshell	Impact
130L Cylinder ONLY		*Stays the same with current partial relief* from regulation requirements related to *transportation & training of personnel* handling used/*empty cylinders*	• **No Change in 130L MTB** • **No Change in return process** • **130L Cylinders MUST TRAVEL ONLY in a 130L MTB carton**
60L Cylinder ONLY		*Partial relief* from hazmat communication requirements & *training of personnel* involved in handling and transportation both *full and empty* cylinders	• **New specially-marked MTB** • **No Change in return process**

***Dual tracks driven by cylinder size; specially marked MTBs must be used** for all cylinder return shipments*

Preparing Multi-Trip Boxes (MTBs) for return shipment

Cylinder Exchange Process: ***When a customer brings a used cylinders to the store***

- ✓ Remove a full cylinder from this box (shrink-wrap around the valve will be intact)
- ✓ Replace the used 60L cylinder in the same compartment
- ✓ Ring sale for EXCHANGE CYLINDERS (gas contents only)
- ✓ When box contains ONLY used 60L cylinders, refer to FLAP B for return instructions.

Cylinder Returns: ***When this box contains used cylinders ONLY***

1. Close Flap A
2. Close Flap B
3. Close Flap C and tuck in 2 locking tabs
4. Close Flap D and tuck in 2 locking tabs
5. Add packing tape to secure Flap in closed position
6. Parcel shipping and supplemental information labels must be visible
7. Special Permit markings must be visible
8. Follow your internal SOPs to process merchandise returns

New Special Permit Multi-Trip Box (MTB)

Transporting Sodastream 60L CO_2 Cylinder Shipments

- ✓Go to www.sodastream.com/DOT to access DOT SP-20796
- ✓***No Hazmat driver, no placards*** required for shipments under 26,400 Lb.
- ✓***Bill of Lading*** must include material description shown below:

  "Carbon dioxide (UN1013) shipped under DOT-SP 20796"
- ✓***Special permit markings visible*** on exterior packaging
- ✓***No Hazmat shipping papers*** with shipper's certification required