



# PUTTING RECYCLED CO<sub>2</sub> TO WORK SUSTAINABILITY OF DRY ICE



Innovative technologies that put recycled CO<sub>2</sub> to work for a cleaner, healthier planet

Utilize recycled CO<sub>2</sub> as dry ice for a cooling and cleaning medium. From keeping temperature sensitive products cold to removing contaminants from industrial equipment, dry ice is the most sustainable solution on the market.

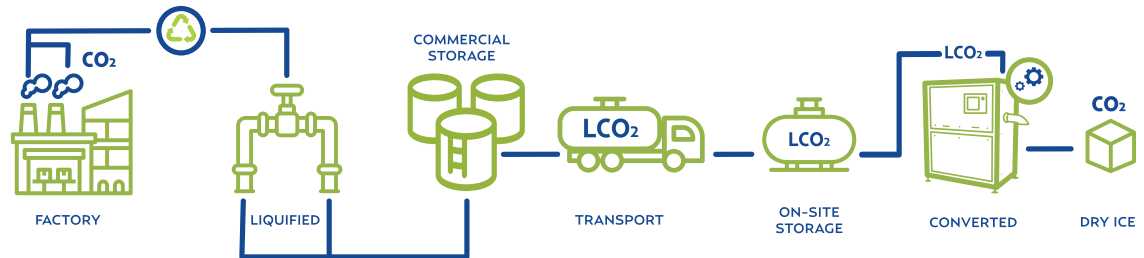
**WATER FREE**
**WASTE FREE**
**CHEMICAL FREE**
**REDUCE EMISSION**
**RECYCLED PRODUCT**

Due to the fact the dry ice is recycled CO<sub>2</sub>, it will not contribute to your greenhouse gas score. In the calculation of a carbon footprint, CO<sub>2</sub> is accounted for at the producer level. It is not counted a second time at the point of use

California Air Resources Board

**NO ADDITIONAL EMISSION SCORING**

## GIVING CO<sub>2</sub> A SECOND LIFE



Dry ice is based on the conversion of carbon dioxide (CO<sub>2</sub>) into a value added, commercially useful product. It's the product of a carbon capture and utilization (CCU) process in which CO<sub>2</sub> is captured from ambient air or at industrial and bio gas facilities, recycled, and converted to dry ice – giving it a second life as a cooling and cleaning medium.

## CLEANING WITH DRY ICE

### REDUCE OR ELIMINATE WATER USE

- 40%** - estimated amount of water used at industrial facilities for sanitation
- 60%** - average cost of water increases from 2010-2019 in 30 largest US cities

### REDUCE LANDFILL WASTE

Dry ice eliminates single use brushes, pads, and rags that end up in landfills

### REDUCE OR ELIMINATE CHEMICAL USE

Eliminate downstream contamination, reduce GhG scores, and improve work safety by removing solvents

### INCREASE ENERGY EFFICIENCY

Dry ice blasting enables more frequent cleanings, which ensures heavy machinery is operating at peak performance

## COOLING WITH DRY ICE



### REDUCE EMISSIONS

Refrigerated vs Standard Delivery Vehicles:  
Release **18%** more N<sub>2</sub>O emissions  
Consume **15%** more fuel



### REPLACE TRADITIONAL COOLING METHODS

Replace resource intensive and waste generating gel packs



### INCREASE FUEL EFFICIENCY

Continuously sublimates and loses weight during transit, increasing fuel efficiencies



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