Start Safe By First Student
July 2020
Agenda

1. First Student’s Start Safe Taskforce
2. First Student’s Start Safe Leaders
3. Location/Driver PPE
4. Disinfectant Testing Process
5. Our Recommendation
6. Zoono™ Monthly Disinfectant and Microbe Shield
7. Signet® Neutral Disinfectant DS1
8. Summary
First Student’s Start Safe Taskforce

First Student assembled our Start Safe Taskforce to effectively manage our response to the COVID-19 pandemic at our bus depots and to support our district partners as we collectively work to promote the health and safety of our student passengers and bus personnel.

**Taskforce Focus:**
- Drive change to reduce disease exposure and prevent transmission throughout our operations
- Collaborate with governmental agencies, health care organizations, university research teams and vehicle manufacturers to test disinfectants and share results
- Select best disinfectant based on:
  - Virus dwell-time
  - Virus reaction
  - Decontamination methods
  - Instantaneous disinfection
  - Prolonged environment protection

First Student’s Start Safe Taskforce is comprised 20+ senior-level leaders from functions throughout our organization.
At the Location and In the Shop

First Student is taking the following steps at our locations and shops to align with CDC recommendations. Additional elements may be added at the district's request.

- Face coverings are required for all employees while in common areas, and all employees are provided an individual bottle of hand sanitizer for personal use.
- Social distancing is required and based on specific facility layout:
  - As part of the evaluation process, we identified the top 10 most congested parts of an operational location ("pinch points")
  - We have provided guidance on topics such as “distanced dispatching” (check-in/out, etc.), driver’s room and shop area.
- Locations and shops are disinfected regularly.
- Employees are instructed to conduct their own health self-screening and to stay home if they are unwell.
- Signage reminds employees to be diligent in following prevention protocols.

Sample location signage:
Drivers and Attendants

We are providing comprehensive health and safety training to the bus team, and we are minimizing or eliminating in-person contact as much possible during daily operations.

• Our 2020/2021 kick-off meetings have been updated to incorporate our new Start Safe training
• Training includes which symptoms to be on the lookout for and what an employee should do if they are experiencing symptoms
• Adjustments are being made to the training environment for employee and candidate safety
• Virtual options are being provided for route, bid and kick-off meetings
• Our drivers will not perform student health checks. This decision was made for various reasons, each focused on the safety of our riders:
  • The performance of health checks would be a distraction. Drivers need to be focused on the safe operation of their vehicle, safe loading/unloading, students crossing roads, danger zones around the bus, traffic and ensuring riders are seated properly
  • Drivers are not the appropriate person to decide whether to refuse rides to kids
  • The American Academy of Pediatrics recommends that parents handle student health checks instead of transporters or school staff
  • It is First Student’s goal to minimize the risk of further exposure/interaction between drivers and students

Start Safe Training Module:

PPE – Cloth Face Coverings
• Introduction to your company issued face covering
• How to properly put on your face covering

Feeling Sick
• If you feel sick of have the following symptoms stay home and notify your supervisor
  • New onset of shortness of breath or difficulty breathing
  • Fever
  • New onset of cold
  • Flu-like symptoms

Handwashing
• Wash hands often with soap and water for at least 20 seconds
• If soap and water not readily available, use a hand sanitizer that contains at least 60% alcohol
• Avoid touching your nose, mouth and eyes

Social Distancing at Location
• 6 ft / 2m
Social Distancing on the Bus

First Student will partner with school districts to develop specific solutions, including seating assignments, loading and unloading, and number of bus passengers transported on each route.

• We are partnering closely with school districts to work through routing scenarios that will promote social distancing without sacrificing efficiency

• Stickers are available to convey social distancing requirements in a student-friendly way

• Windows will be kept open for airflow when appropriate

Sample bus stickers:

BUSBUS SEAT SOCIAL DISTANCE STICKER
- Convey onboard social distancing requirements in student-friendly way
- One of two options available to locations
- 8 inch round sticker; recommend 2 on each seat back

BUSBUS SEAT SOCIAL DISTANCE TAPE
- Convey onboard social distancing requirements in student-friendly way
- One of two options available to locations
- Two inches thick; material similar to packaging tape

Caring for students. That is our First priority.
On the Bus

First Student is following federal and state guidelines to maintain passenger safety.

- To maintain our vehicles' safety, and in accordance with all regulatory agency (FMVSS, CMVSS and State DOT) requirements, we will not be installing 3rd party products like hand sanitizer stations or soft shield barriers on our buses.
  - We are partnering with OEMs to determine where these products could fit on the bus. It is essential to understand that once a placement has been established, these items are subject to the review and approval of multiple regulatory agencies prior to being installed on the bus.
- Drivers will wear face-coverings while driving, where required by state or local agencies, unless it causes a vision impairment.
- In an effort to ensure rider safety, our drivers will not distribute hand sanitizer or face-coverings. It is our belief that parents are always best equipped and should be the final decision-makers when determining which types of products are appropriate for their student.
Testing Potential Disinfectants

First Student has conducted extensive internal evaluations that assessed efficacy, application, dwell time, and compatibility with interior components of the school bus.

*Multiparametric Evaluation:*

- **Primary goals:**
  - Prevent spread of COVID on school bus environment
  - Protect children from harmful disinfectants

- **30+ disinfectant methods tested**

- Pre and post application swabs submitted to an independent laboratory for initial kill “log rates” and prolonged protection (every 7 days)

- Tests conducted to ensure selected disinfectants are food-grade and safe for exposure to children

- Evaluations included accelerated interior compatibility tests via material coupon sample submersion
  - Testing administered on upholstery, foam, aluminum, steel tubing, rubber flooring, copper, brass, and electrical wiring

- Disinfectants evaluated to determine if they applied evenly, met minimum dwell time and dried without a “sticky” or “tacky” residue
First Student’s Recommendation: Zoono Z71™

Based on research, testing and hands-on application, First Student recommends Zoono Z71™ Microbe Shield Surface Monthly Disinfectant

Zoono Z71™ Microbe Shield Surface Monthly Disinfectant

- Bonds to most surfaces, including those found in our vehicles (metal/glass/vinyl/plastic/fabric)
- Disinfects immediately and ensures buses remain virus-free for 30 days
  - Traditional disinfectants only kill current viruses and have no residual effect
- Creates microscopic spikes that kill pathogens that land on the surface, essentially forming an antimicrobial shield
- Destroys viruses mechanically, eliminating the need for harsh chemicals
- Provides error-free usage with sprayer application. No dilution or mixing necessary
- EPA-Registered #83129-1 (List A - Antimicrobials)
  - Pending EPA List N approval

Note: Disinfectant used may vary based on available supply and is at First Student’s discretion.
How ZOONO Z71™ Works

1. Zoono-Z71 leaves behind a mono-molecular layer that permanently bonds to the surface. These antimicrobial molecules bond to the surface, forming a barrier of positively charged microscopic pins.

2. This antimicrobial protective layer goes beyond waiting for viruses to land. They are positively charged to attract negatively charged viruses, like COVID-19, pulling them towards the pins to be killed.

3. The Zoono molecule does not diminish in strength in relation to the number of pathogens killed, so it is capable of attacking new bacteria cells again and again – with only a single application.

Caring for students. That is our First priority.
# How ZOOONO Z71™ Compares

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<tr>
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<th>Zoono Z71™</th>
<th>Other Disinfectants</th>
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<tbody>
<tr>
<td><strong>How it Works</strong></td>
<td>Physical Disruption</td>
<td>Dehydration or Chemical Poison</td>
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<tr>
<td><strong>Method</strong></td>
<td>Attracts, Pierces, Kills Pathogens</td>
<td>Dehydration or Chemical Infiltration</td>
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<tr>
<td><strong>Durability</strong></td>
<td>Proven Effective for 30 Days</td>
<td>Short-Term Efficacy – Only Minutes</td>
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<td><strong>Toxicity</strong></td>
<td>Similar to Vitamin C</td>
<td>Usually Highly Toxic</td>
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<td><strong>Ease of Handling</strong></td>
<td>Ready to Use/Easy to Use</td>
<td>Requires Mixing/Most Contain Poisons</td>
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<td><strong>Mutation/Superbugs</strong></td>
<td>Resistance Impossible/No Mutation</td>
<td>Promotes Development of Superbugs</td>
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<tr>
<td><strong>Environment</strong></td>
<td>Safe to Use/No Environmental Issues</td>
<td>Not Good for the Environment</td>
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<tr>
<td><strong>Proof of Efficacy</strong></td>
<td>100+ Test Results from Labs Around the World</td>
<td>Usually Not Available/Not Published</td>
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EPA Certification

The EPA product lists offer guidance on choosing disinfectants.

• Zoono Z71™ is registered on the EPA’s List A
  • Currently pending List N approval
  • Zoono Z1’s™ residual efficiency has been proven in both the U.K. and in our Greyhound fleet
• More widely used in the UK:
  • The London Underground “Tube”
  • UK Fire and Police Stations
  • Football Clubs
• Known US companies:
  • Domino’s Pizza
  • Clorox (manufacturing facilities)
  • Turtle Wax
• First Student’s preferred daily disinfectant, Signet® Neutral Disinfectant DS1, is registered on List N
Daily Option: Signet® Neutral Disinfectant DS1

First Student recommends Signet® Neutral Disinfectant DS1 if a daily disinfectant is preferred

Signet® Neutral Disinfectant DS1:

- High degree of efficacy against pathogens, viruses, bacteria, mold, spores and COVID-19
- Minimizes the potential negative corrosive impact to the bus; many commercial disinfectants are corrosive, which can impact critical school bus safety systems
- Disinfects, sanitizes and cleans
- Application to bus via spraying solution
- Meets surface disinfection requirements of OSHA Bloodborne Pathogens Standards
- Registered on EPA’s List N as effective against SARS-CoV-2

Note: Disinfectant used may vary based on available supply and is at First Student’s discretion.
Additional Questions

Please contact your Location Manager with any additional questions