

## **TP-Alcohol Survival Heater**

Credit – Steven Jenkins



Items needed:

- Toilet paper roll
- 13 oz metal coffee can
- Bottle of 90% (recommended) rubbing alcohol

Knead the toilet paper in your hands to loosen the inner cardboard core. Remove the core, compress the roll and place inside the coffee can.

Pour one bottle of rubbing alcohol into the can, let it soak in and carefully light the top of the paper. It should burn with a clean flame.

Set the can in an area free from flammable materials. The heater will produce deadly CO2 so crack the windows on both sides to provide ventilation. Fuel is running low when the edges of the toilet paper starts to brown. Blow out the flame. Add another bottle of rubbing alcohol and relight. Each bottle will provide flame with intermittent use for 18 to 24 hours.

Now get your winter survival kit stashed in the trunk of your car along with the TP Heater.

Additional resource: **Montana LTAP Winter Maintenance Webinar** (30 minutes) <u>https://tinyurl.com/ybzymjz2</u>

| SAFETY   |           |
|--|-----------|
| NORTH DAKOTA STATE UNIVERSITY • UPPER GREAT PLAINS TRANSPORTATION INSTITUTE • NORTH DAKOTA LOCAL TECHNICAL ASSISTANCE PROGRAM<br>Safety Talk Sign-in Sheet |           |
| Topic: TP-Alcohol Survival Heater  |           |
| Agency:  |           |
| Crew:  |           |
| Supervisor/Talk Leader:  |           |
| Date:  |           |
| Print Name   | Signature |
| 1  |           |
| 2  |           |
| 3  |           |
| 4  |           |
| 5  |           |
| 6  |           |
| 7  |           |
| 8  |           |
| 9  |           |
| 10   |           |
| 11   |           |
| 12   |           |

NDSU does not discriminate in its programs and activities on the basis of age, color, gender expression/identity, genetic information, marital status, national origin, participation in lawful off-campus activity, physical or mental disability, pregnancy, public assistance status, race, religion, sex, sexual orientation, spousal relationship to current employee, or veteran status, as applicable. Direct inquiries to Vice Provost, Title IX/ADA Coordinator, Old Main 201, 701-231-7708, <u>ndsu.eoaa@ndsu.edu</u>.

November 2018 by Denise Brown, NDLTAP Training Coordinator, NDSU Upper Great Plains Transportation Institute