



## On Track Panel Kleen (ONT.A-4990)

### Safety Data Sheet ONT.A-4990

Date of issue: 07/08/2015 Version: 1.0

#### SECTION 1: Identification of the substance/mixture and of the company/undertaking

##### 1.1. Product identifier

Product Number : A-4990  
Product Name : Panel Kleen Aerosol

##### 1.2. Relevant identified uses of the substance or mixture and uses advised against

##### 1.3. Details of the supplier of the safety data sheet

**Supplier**  
MCGEHEE & MCGEHEE ENTERPRISES INC  
120 SOUTH BOGGESS AVENUE  
- USA  
T (270) 338-4600 - F (270) 338-4602

##### 1.4. Emergency telephone number

Emergency number : 1-800-424-9300 (CHEMTREC)

#### SECTION 2: Hazards identification

##### 2.1 Physical Hazards

Flammable Aerosols, Category 1

##### 2.2 Health Hazards

Sensitization, skin, Category 1

##### 2.3 Environmental Hazards

Not classified.

##### 2.4 OSHA Defined Hazards

Not classified.

##### 2.5 Label Elements



##### 2.6 Signal Word

DANGER

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### 2.7 Hazard Statement

Extremely flammable aerosol. May cause an allergic skin reaction.

### 2.8 Precautionary Statement

#### PREVENTION:

Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Do not spray on an open flame or other ignition source. Pressurized container: Do not pierce or burn, even after use. Avoid breathing gas. Contaminated work clothing must not be allowed out of the workplace. Wear protective gloves.

#### RESPONSE:

If swallowed: Rinse mouth. Do NOT induce vomiting. If on skin: Wash with plenty of water. Specific treatment (see this label). If skin irritation or rash occurs: Get medical advice/attention. Wash contaminated clothing before reuse.

#### STORAGE:

Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.

#### DISPOSAL:

Dispose of waste and residues in accordance with local authority requirements.

### 2.9 Hazard(s) not otherwise classified (HNOC)

None known.

### 2.10 Supplemental Information

None.

## SECTION 3: Composition/Information on ingredients

### 3.1 Mixtures

CHEMICAL NAME	COMMON NAME AND SYNONYMS	CAS NUMBER	%
Isobutane		75-28-5	2.5-10
2-Butoxyethanol		111-76-2	1-2.5
Pine, Extr (pine Oil)		94266-48-5	0.1-1
Other components below reportable levels			90-100

\* Designates that a specific chemical identity and/or percentage of composition has been withheld as a trade secret.

## SECTION 4: First aid measures

### 4.1 Inhalation

Move to fresh air. Call a physician if symptoms develop or persist.

### 4.2 Skin Contact

In case of eczema or other skin disorders: Seek medical attention and take along these instructions.

### 4.3 Eye Contact

Rinse with water. Get medical attention if irritation develops and persists.

### 4.4 Ingestion

Rinse mouth. Get medical attention if symptoms occur.

### 4.5 Most Important Symptoms/Effects, Acute and Delayed

Dermatitis. Rash. May cause an allergic skin reaction.

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### 4.6 Indication of Immediate Medical Attention and Special Treatment Needed

Provide general supportive measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed.

### 4.7 General Information

Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Wash contaminated clothing before reuse.

## SECTION 5: Firefighting measures

### 5.1 Suitable Extinguishing Media

Not available.

### 5.2 Unsuitable Extinguishing Media

Do not use water jet as an extinguisher, as this will spread the fire.

### 5.3 Specific Hazards Arising from the Chemical

Contents under pressure. Pressurized container may explode when exposed to heat or flame.

### 5.4 Special Protective Equipment and Precautions for Firefighters

Firefighters must use standard protective equipment including flame retardant coat, helmet with faceshield, gloves, rubber boots, and in enclosed spaces, SCBA.

### 5.5 Fire-Fighting Equipment/Instructions

Move containers from fire area if you can do so without risk. Containers should be cooled with water to prevent vapor pressure build up. For massive fire in cargo area, use unmanned hose holder or monitor nozzles, if possible. If not, withdraw and let fire burn out.

### 5.6 Specific Methods

Use standard firefighting procedures and consider the hazards of other involved materials. Move containers from fire area if you can do so without risk. In the event of fire and/or explosion do not breathe fumes.

### 5.7 General Fire Hazards

Extremely flammable aerosol.

## SECTION 6: Accidental release measures

### 6.1 Personal Precautions, Protective Equipment and Emergency Procedures

Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Keep out of low areas. Wear appropriate protective equipment and locating during clean-up. Avoid breathing gas. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering them. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see Section 8 of the SDS.

### 6.2 Methods and Materials for Containment and Cleaning Up

Refer to attached safety data sheets and/or instructions for use. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Keep combustibles (wood, paper, oil, etc.) away from spilled material. Stop leak if you can do so without risk. Move the cylinder to a safe and open area if the leak is irreparable. Isolate area until gas has dispersed. Prevent entry into waterways, sewer, basements or confined areas. Following product recovery, flush area with water. For waste disposal, see section 13 of the SDS.

### 6.3 Environmental Precautions

Avoid discharge into drains, water courses or onto the ground.

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### SECTION 7: Handling and storage

#### 7.1 Precautions for Safe Handling

Pressurized container: Do not pierce or burn, even after use. Do not use if spray button is missing or defective. Do not spray on a naked flame or any other incandescent material. Do not smoke while using or until sprayed surface is thoroughly dry. Do not cut, weld, solder, drill, grind, or expose containers to heat, flame, sparks, or other sources of ignition. All equipment used when handling the product must be grounded. Do not re-use empty containers. Do not get in eyes, on skin, or on clothing. Avoid breathing gas. Use only in well-ventilated areas. Wear appropriate personal protective equipment. Observe good industrial hygiene practices.

#### 7.2 Conditions for Safe Storage, including any Incompatibilities

Level 1 Aerosol.

Pressurized container. Protect from sunlight and do not expose to temperatures exceeding 50°C/122°F. Do not puncture, incinerated or crush. Do not handle or store near an open flame, heat or other sources of ignition. This material can accumulate static charge which may cause spark and become an ignition source. Refrigeration recommended. Store away from incompatible materials (see Section 10 of the SDS)

### SECTION 8: Exposure controls/personal protection

#### 8.1 Occupational Exposure Limits

##### US. OSHA TABLE Z-1 LIMITS FOR AIR CONTAMINANTS (29 CFR 1910.1000)

COMPONENTS	TYPE	VALUE
1-Butoxyethanol (CAS 111-76-2)	PEL	240 mg/m <sup>3</sup> 50 ppm

##### US. ACGIH THRESHOLD LIMIT VALUES

COMPONENTS	TYPE	VALUE
1-Butoxyethanol (CAS 111-76-2)	TWA	20 ppm
Isobutane (CAS 75-28-5)	STEL	1000 ppm

##### US. NIOSH: Pocket Guide to Chemical Hazards

COMPONENTS	TYPE	VALUE
1-Butoxyethanol (CAS 111-76-2)	TWA	24 mg/m <sup>3</sup> 5 ppm
Isobutane (CAS 75-28-5)	TWA	1900 mg/m <sup>3</sup> 800 ppm

#### 8.2 Biological Limit Values

##### ACGIH Biological Exposure Indices

COMPONENTS	VALUE	DETERMINANT	SPECIMEN	SAMPLING TIME
2-Butoxyethanol (CAS 111-76-2)	200 mg/g	Butoxyacetic Acid (BAA), with hydrolysis	Creatinine in Urine	*

\*- For sampling details, please see the source document.

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### 8.3 Exposure Guidelines

US - California OELs: Skin Designation	
2-Butoxyethanol (CAS 111-76-2)	Can be absorbed through the skin.
US - Minnesota Haz Subs: Skin Designation Applies	
2-Butoxyethanol (CAS 111-76-2)	Skin designation applies.
US - Tennessee OELs: Skin Designation	
2-Butoxyethanol (CAS 111-76-2)	Can be absorbed through the skin.
US NIOSH Pocket Guide to Chemical Hazards: Skin Designation	
2-Butoxyethanol (CAS 111-76-2)	Can be absorbed through the skin.
US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)	
2-Butoxyethanol (CAS 111-76-2)	Can be absorbed through the skin.

### 8.4 Appropriate Engineering Controls

Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

### 8.5 Individual Protection Measures, such as Personal Protective Equipment

#### EYE/FACE PROTECTION:

Face shield is recommended. Wear safety glasses with side shields (or goggles).

#### HAND PROTECTION:

For prolonged or repeated skin contact use suitable protective gloves.

#### SKIN PROTECTION:

Other: Wear appropriate chemical resistant clothing. Use of an impervious apron is recommended.

#### RESPIRATORY PROTECTION:

If permissible levels are exceeded use NIOSH mechanical filter/organic vapor cartridge or an air-supplied respirator.

#### THERMAL HAZARDS:

Wear appropriate thermal protective clothing, when necessary.

### 8.6 General Hygiene Considerations

When using do not smoke. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. Contaminated work clothing should not be allowed out of the workplace.

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### SECTION 9: Physical and chemical properties

#### 9.1. Information on basic physical and chemical properties

Appearance	:	
Physical State	:	Gas
Form	:	Aerosol
Color	:	Not Available
Odor	:	Not Available
Odor Threshold	:	Not Available
pH	:	Not Available
Melting Point/Freezing Point	:	Not Available.
Initial Boiling Point and Boiling Range	:	212°F (100°C) estimated
Flash Point	:	-99.4°F (-73.0°C) PROPELLANT estimated
Evaporation Rate	:	Not Available
Flammability (solid, gas)	:	Not Available
Upper/Lower Flammability or Explosive Limits	:	
Flammability Limit - lower (%)	:	Not Available
Flammability Limit - upper (%)	:	Not Available
Explosive Limit - lower (%)	:	Not Available
Explosive Limit 0 upper (%)	:	Not Available
Vapor Pressure	:	804.44 psig @ 70F estimated
Vapor Density	:	Not Available
Relative Density	:	Not Available
Solubility(ies)	:	Not Available
Solubility (water)	:	
Partition Coefficient (n-Octanol/water)	:	Not Available
Auto-Ignition Temperature	:	Not Available
Decomposition Temperature	:	Not Available
Viscosity	:	Not Available
Specific Gravity	:	0.92 estimated
VOC Content	:	Multi-Purpose Solvent, aerosol category; VOC < 10% w/w; VOC COMPLIANT

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### SECTION 10: Stability and reactivity

#### 10.1 Reactivity

The product is stable and non-reactive under normal conditions of use, storage and transport.

#### 10.2 Chemical Stability

Material is stable under normal conditions.

#### 10.3 Possibility of Hazardous Reactions

Hazardous polymerization does not occur.

#### 10.4 Conditions to Avoid

Avoid temperatures exceeding the flash point. Contact with incompatible materials.

#### 10.5 Incompatible Materials

Strong oxidizing agents. Nitrates. Fluorine. Chlorine.

#### 10.6 Hazardous Decomposition Products

No hazardous decomposition products are known.

### SECTION 11: Toxicological information

#### 11.1 Information on Likely Routes of Exposure

INGESTION:

Expected to be a low ingestion hazard.

INHALATION:

No adverse effects due to inhalation are expected.

SKIN CONTACT:

May cause an allergic skin reaction.

2-Butoxy ethanol may be absorbed through the skin in toxic amounts if contact is repeated and prolonged. These effects have not been observed in humans.

EYE CONTACT:

Direct contact with eyes may cause temporary irritation.

#### 11.2 Symptoms Related to the Physical, Chemical and Toxicological Characteristics

Dermatitis. Rash. May cause an allergic skin reaction.

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### 11.3 Information on Toxicological Effects

Acute toxicity: May cause an allergic skin reaction.

COMPONENTS	SPECIES	TEST RESULTS
2-Butoxyethanol (CAS 111-76-2) ACUTE		
Dermal LD50	Guinea Pig	6411 mg/kg 230 ml/kg, 24 Hours 7.3 ml/kg, 4 Days
	Rabbit	450 mg/kg, 24 Hours 435 mg/kg, 24 Hours 0.63 mg/kg
	Rat	> 2000 mg/kg, 24 Hours
Inhalation LC50	Mouse	750 ppm, 7 Hours
	Rabbit	400 ppm, 7 Hours
	Rat	450 ppm, 4 Hours
Oral LD100	Rabbit	695 mg/kg
LD50	Dog	>695 mg/kg
	Guinea Pig	1200 mg/kg
	Mouse	1230 mg/kg
	Rat	530-2800 mg/kg
Isobutane (CAS 75-28-5) ACUTE		
Inhalation LC50	Mouse	1237 mg/l, 120 Minutes 52%, 120 Minutes
	Rat	1355 mg/l

\* Estimates for product may be based on additional component data not shown.

### 11.4 Skin Corrosion/Irritation

Prolonged skin contact may cause temporary irritation.

### 11.5 Serious Eye Damage/Eye Irritation

Direct contact with eyes may cause temporary irritation.

### 11.6 Respiratory or Skin Sensitization

RESPIRATORY SENSITIZATION:

Not Available.

SKIN SENSITIZATION:

May cause an allergic skin reaction.

GERM CELL MUTAGENICITY:

No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.

CARCINOGENICITY:

This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.



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### 11.7 IARC Monographs. Overall Evaluation of Carcinogenicity

1-Butoxyethanol (CAS 111-76-2): 3 Not classifiable as to carcinogenicity to humans.

### 11.8 OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not listed.

### 11.9 Reproductive Toxicity

This product is not expected to cause reproductive or developmental effects.

### 11.10 Specific Target Organ Toxicity - Single Exposure

Not classified.

### 11.11 Specific Target Organ Toxicity - Repeated Exposure

Not classified.

### 11.12 Aspiration Hazard

Not likely, due to the form of the product.

### 11.13 Chronic Effects

May be harmful if absorbed through skin.

2-Butoxy ethanol may be absorbed through the skin in toxic amounts if contact is repeated and prolonged. These effects have not been observed in humans.

## SECTION 12: Ecological information

### 12.1 Ecotoxicity

The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

COMPONENTS	SPECIES	TEST RESULTS
	2-Butoxyethanol (CAS 111-76-2) AQUATIC	
Fish LC50	Inland silverside (Menidia Beryllina)	1250 mg/l, 96 hours

\* Estimates for product may be based on additional component data not shown.

### 12.2 Persistence and Degradability

No data is available on the degradability of this product.

### 12.3 Bioaccumulative Potential

No data available.

PARTITION COEFFICIENT N-OCTANOL/WATER (log Kow)

2-Butoxyethanol - 0.83

Isobutane - 2.76

### 12.4 Mobility in Soil

No data available.

### 12.5 Other Adverse Effects

No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

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### SECTION 13: Disposal considerations

#### 13.1 Disposal Instructions

Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Contents under pressure. Do not puncture, incinerate or crush. Dispose of contents/container in accordance with local/regional/national/international regulations.

#### 13.2 Local Disposal Regulations

Dispose in accordance with all applicable regulations.

#### 13.3 Hazardous Waste Code

The waste code should be assigned in discussion between the user, the producer and the waste disposal company.

#### 13.4 Waste from Residues/Unused Products

Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).

#### 13.5 Contaminated Packaging

Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied. Do not re-use empty containers.

### SECTION 14: Transport information

#### 14.1 DOT

UN Number	UN1950
UN Proper Shipping Name	Aerosols, flammable, (each not exceeding 1 L capacity)
Transport Hazard Class(es)	
Class	2.1
Subsidiary Risk	-
Label(s)	2.1
Packing Group	Not applicable.
Special Precautions for User	Read safety instructions, SDS and emergency procedures before handling. Read safety instructions, SDS and emergency procedures before handling.
Special Provisions	N82
Packaging Exceptions	306
Packaging non bulk	None
Packaging Bulk	None

This product meets the exception requirements of section 173.306 as a limited quantity and may be shipped as a limited quantity. Until 12/31/2020, the "Consumer Commodity - ORM-D" marking may still be used in place of the new limited quantity diamond mark for packages of UN 1950 Aerosols. Limited quantities require the limited quantity diamond mark on cartons after 12/31/2020 and may be used now in place of the "Consumer Commodity ORM-D" marking and both may be displayed concurrently.

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14.2 IATA

UN Number	UN1950
UN Proper Shipping Name	Aerosols, flammable
Transport Hazard Class(es)	
Class	2.1
Subsidiary Risk	-
Label(s)	2.1
Packing Group	Not applicable.
Environmental Hazards	No
ERG Code	10L
Special Precautions for User	Read safety instructions, SDS and emergency procedures before handling. Read safety instructions, SDS and emergency procedures before handling.
Other Information	
Passenger and Cargo Aircraft	Allowed.
Cargo Aircraft Only	Allowed.
Packaging Exceptions	LTD QTY

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### 14.3 IMDG

UN Number	UN1950
UN Proper Shipping Name	AEROSOLS
Transport Hazard Class(es)	
Class	2.1
Subsidiary Risk	-
Label(s)	2.1
Packing Group	Not applicable.
Environmental Hazards	
Marine Pollutant	No
EmS	F-D, S-U
Special Precautions for User	Read safety instructions, SDS and emergency procedures before handling. Read safety instructions, SDS and emergency procedures before handling.
Packaging Exceptions	LTD QTY
Transport in Bulk according to Annex II of MARPOL 73/78 and the IBC Code	Not applicable.

### 14.4 DOT



### 14.5 IATA; IMDG



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### SECTION 15: Regulatory information

#### 15.1 US Federal Regulations

This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

All components are on the U.S. EPA TSCA Inventory List.

##### 15.1.1 TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Not regulated.

##### 15.1.2 CERCLA Hazardous Substance List (40 CFR 302.4)

Not listed.

##### 15.1.3 SARA 304 Emergency Release Notification

Not regulated.

##### 15.1.4 OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not listed.

##### 15.1.5 SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT OF 1986 (SARA)

HAZARD CATEGORIES:

Immediate Hazard - Yes

Delayed Hazard - No

Fire Hazard - Yes

Pressure Hazard - No

Reactivity Hazard - No

##### 15.1.6 SARA 302 Extremely Hazardous Substance

CHEMICAL NAME	CAS NUMBER	REPORTABLE QUANTITY	THRESHOLD PLANNING QUANTITY	THRESHOLD PLANNING QUANTITY, LOWER VALUE	THRESHOLD PLANNING QUANTITY, UPPER VALUE
Anhydrous Ammonia	7664-41-7	100	500 lbs		

##### 15.1.7 SARA 311/312 Hazardous Chemical

No.

##### 15.1.8 SARA 313 (TRI Reporting)

Not regulated.

##### 15.1.9 Other Federal Regulations

CLEAN AIR ACT (CAA) Section 112 Hazardous Air Pollutants (HAPs) List: Not regulated.

CLEAN AIR ACT (CAA) Section 112 (r) Accidental Release Prevention (40 CFR 68.130): Isobutane (CAS 75-28-5)

SAFE DRINKING WATER ACT (SDWA): Not regulated.

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### 15.1.10 US State Regulations

#### US MASSACHUSETTS RTK - SUBSTANCE LIST

2-Butoxyethanol (CAS 111-76-2)

Isobutane (CAS 75-28-5)

#### US NEW JERSEY WORKER AND COMMUNITY RIGHT-TO-KNOW ACT

2-Butoxyethanol (CAS 111-76-2)

Isobutane (CAS 75-28-5)

#### US PENNSYLVANIA WORKER AND COMMUNITY RIGHT-TO-KNOW LAW

2-Butoxyethanol (CAS 111-76-2)

Isobutane (CAS 75-28-5)

#### US RHODE ISLAND RTK

Isobutane (CAS 75-28-5)

#### US CALIFORNIA PROPOSITION 65

California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins.

### 15.2 International Inventories

COUNTRY(S) OR REGION	INVENTORY NAME	ON INVENTORY (YES/NO)*
Australia	Australian Inventory of Chemical Substances (AICS)	No
Canada	Domestic Substances List (DSL)	No
Canada	Non-Domestic Substances List (NDSL)	Yes
China	Inventory of Existing Chemical Substances in China (IECSC)	No
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	No
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	No
Korea	Existing Chemicals List (ECL)	No
New Zealand	New Zealand Inventory	No
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	No
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

\* A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s). A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

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## SECTION 16: Other information

### 16.1 Issue Date

07/08/2015

### 16.2 Version #

01

### 16.3 Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.