



MATERIAL SAFETY DATA SHEET

NO. 9 PLUS
Revision 1 ❖ October 6, 2009

Page 1 of 7

SECTION 1 • PRODUCT AND COMPANY IDENTIFICATION

Product Numbers 990, 991, 999
 Product Name Hoppe's No. 9 Plus
 Synonyms None
 Products Uses Black Powder Solvent and Patch Lubricant
 Revision Number 1
 Revision Date October 6, 2009
 Print Date October 6, 2009

**24 hr Emergency
Phone Number**

800-255-3924
(CHEM-TEL)

MANUFACTURER INFORMATION		DISTRIBUTOR INFORMATION	
Company Name	Tri-Pac Inc.	Company Name	Bushnell
Address	17336 M-60 East Vandalia, MI 49095	Address	9200 Cody Overland Park, KS 66214
Phone Number	269-476-2303	Phone Number	800-423-3537
Fax Number	269-476-2302	Fax Number	913-752-3570

SECTION 2 • HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW	CAUTION: Skin sensitizer. Eye and skin irritant.
---------------------------	---

OSHA Classification *This product is a "hazardous chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.*

European Classification *Xn, Xi
R 43-36/38-65
S 2-7-24-37-62*

WHMIS Classification



HEALTH HAZARDS			PHYSICAL HAZARDS						
Irritant	<input type="checkbox"/>	Sensitizer	<input checked="" type="checkbox"/>	Combustible	<input type="checkbox"/>	Explosive	<input type="checkbox"/>	Pyrophoric	<input type="checkbox"/>
Toxic	<input type="checkbox"/>	Highly Toxic	<input type="checkbox"/>	Flammable	<input type="checkbox"/>	Oxidizer	<input type="checkbox"/>	Water Reactive	<input type="checkbox"/>
Corrosive	<input type="checkbox"/>	Carcinogenic	<input type="checkbox"/>	Compressed Gas	<input type="checkbox"/>	Organic Peroxide	<input type="checkbox"/>	Unstable	<input type="checkbox"/>

LABELING REQUIREMENTS			
CANADA	UNITED STATES	EUROPE & AUSTRALIA	GHS
	CAUTION SKIN SENSITIZER		



MATERIAL SAFETY DATA SHEET

NO. 9 PLUS

Revision 1 ❖ October 6, 2009

Page 2 of 7

POTENTIAL HEALTH EFFECTS AND SIGNS / SYMPTOMS OF EXPOSURE

Eye Contact	<i>Liquid contact may cause pain along with moderate eye irritation.</i>
Skin Contact	<i>Prolonged or repeated exposure may cause skin irritation and/or sensitization. Repeated contact may cause drying or flaking of skin. May cause more severe response if confined to skin.</i>
Ingestion	<i>May cause irritation to membranes of the mouth, throat, and gastrointestinal tract resulting in vomiting and/or cramps. Aspiration of vomit into the lungs may cause inflammation, and possible chemical pneumonitis, bronchopneumonia, or pulmonary edema.</i>
Inhalation	<i>Not considered an inhalation hazard but repeated overexposure may cause irritation of the respiratory system.</i>
Effects of Chronic Exposure	<i>Not Available</i>
Medical Conditions Aggravated	<i>May aggravate personnel with pre-existing disorders associated with any of the Target Organs.</i>
Types of Hazards	<i>Not Available</i>
Target Organs	<i>Eyes, Skin</i>
Routes of Exposure	<i>Skin contact, skin absorption, eye contact</i>
Potential Environmental Effects	<i>See Section 12 for environmental effects</i>

SECTION 3 • COMPOSITION / INFORMATION ON INGREDIENTS

ID	INGREDIENT	CAS NUMBER	EINECS	EU CLASSIFICATION	% WT
1	Water	007732-18-5	231-791-2	—	—
2	Hydrotreated Heavy Naphthenic Distillate	064742-52-5	265-155-0	—	10 - 30
3	Triethanolamine	000102-71-6	203-049-8	—	1 - 5
4	Ethyl Alcohol	000064-17-5	200-578-6	F; 11	1 - 5
5	Kerosene	008008-20-6	232-366-4	Xn; 65	1 - 5
6	Triazine	004719-04-4	225-208-0	Xn; 22-43	0.5 - 1.5

Risk Phrases	<i>See Section 15 for risk phrase text</i>
LD50 and LC50 Information	<i>See Section 11 for toxicological information</i>
Occupational Exposure Limits	<i>See Section 8 for OELs</i>

SECTION 4 • FIRST AID MEASURES

Ingestion	<i>DO NOT INDUCE VOMITING! ASPIRATION HAZARD. This material may enter the lungs during vomiting. Immediately have the victim drink plenty of water. Keep airways free. Contact a physician immediately. Never give anything by mouth if victim is rapidly losing consciousness, unconscious, or convulsing.</i>
Skin Contact	<i>Remove with soap and water, rinsing and repeating for 15 minutes. Use skin cream to counter any resulting dryness. Consult a physician if irritation continues. If large skin area is affected, remove contaminated clothing.</i>
Eye Contact	<i>Immediately flush with clear water for at least 15 minutes, including under the eyelids. Consult a doctor.</i>
Inhalation	<i>Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Seek medical attention if symptoms persist or if unconscious.</i>
Notes to Physician	<i>Treat symptomatically.</i>
Antidotes	<i>No specific antidote.</i>

SECTION 5 • FIRE FIGHTING MEASURES

Flash Point	<i>Not Available (less than 5%, by weight, of the formula is flammable)</i>
Autoignition Temperature	<i>Not Available</i>
Explosive Limits	<i>Not Available</i>
Conditions of Flammability	<i>Heat, sparks, flame, red hot metal</i>



MATERIAL SAFETY DATA SHEET

NO. 9 PLUS

Revision 1 ❖ October 6, 2009

Page 4 of 7

Engineering Measures	<i>Use with adequate ventilation. General ventilation (typically 10 air changes per hour) should be used. Rates should be matched to conditions. Local exhaust ventilation or an enclosed handling system may be necessary to control air contamination below that of the lowest OEL from the table above.</i>
Biological Exposure Indices	<i>None Established</i>
General Hygiene Considerations	<i>Avoid breathing vapors and contact with the skin and eyes. Always replace overcap when not in use. Keep out the reach of children. Wash hands after use.</i>
Thermal Hazards	<i>This product does not present a thermal hazard.</i>

PERSONAL PROTECTIVE EQUIPMENT



Respiratory Protection	<i>An approved respirator with an organic vapor cartridge may be permissible under certain circumstances where airborne concentrations are expected to exceed occupational exposure limits. If respirators are needed, in the United States compliance with OSHA standard 29 CFR 1910.134 is necessary.</i>
Skin Protection	<i>For brief contact, no precautions other than clean body-covering clothing should be needed. When prolonged or repeated contact could occur, use protective clothing impervious to the ingredients listed in Section 2.</i>
Eye/Face Protection	<i>Safety glasses with side shields are recommended as a minimum for any type of chemical handling.</i>
Other Protective Equipment	<i>Safety showers and eye-wash stations should be available in the near where the material will be used.</i>

SECTION 9 • PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point	<i>> 212 °F (100.0 °C)</i>	Melting / Freezing Point	<i>> 32 °F (0.0 °C)</i>
Flash Point	<i>Not Available</i>	Autoignition Temperature, Liquid	<i>Not Available</i>
Explosive Limits	<i>Not Available</i>	Decomposition Temperature	<i>Not Available</i>
Flammability	<i>Not Available</i>	Density (H ₂ O = 1)	<i>0.964 g/cc</i>
Molecular Weight	<i>Not Available</i>	Weight	<i>8.042 lbs/gal</i>
Vapor Pressure	<i>Not Available</i>	pH	<i>Not Available</i>
Vapor Density	<i>5.90 g/cc Maximum</i>	Evaporation Rate (BuAC = 1)	<i>Not Available</i>
Physical State	<i>Liquid</i>	Partition Coefficient	<i>Not Available</i>
Viscosity	<i>Not Available</i>	Refractive Index	<i>Not Available</i>
Odor Threshold	<i>Not Available</i>	Heat of Combustion	<i>Not Available</i>
Odor	<i>Distinct</i>	Water Solubility	<i>Not Available</i>
Appearance / Color	<i>Clear light to dark amber</i>		
Percent Volatile	<i>78% Wt (76% Vol) Max</i>	VOC Content	<i>0.336 lbs/gal (40.245 g/L)</i>
Percent VOC	<i>5% Wt (5% Vol) Max</i>	HAP Content	<i>None</i>
Solids Content	<i>None</i>	Maximum Incremental Reactivity	<i>0.067 g O₃/g</i>

SECTION 10 • STABILITY AND REACTIVITY

Stability	<i>Stable</i>
Physical Hazards	<i>Flammable</i>
Conditions to Avoid	<i>Not Available</i>
Hazard Polymerization	<i>Not expected to occur</i>



MATERIAL SAFETY DATA SHEET

NO. 9 PLUS

Revision 1 ❖ October 6, 2009

Page 5 of 7

Material Incompatibility *Strong oxidizing agents, ammonia, hydrogen peroxide, potassium tert-butoxide, acids, perchloric and permonosulfuric acids, alkali metals*

Conditions of Reactivity *Heat, sparks, flame, red hot metal*

Decomposition Products *Oxides of carbon*

SECTION 11 • TOXICOLOGICAL INFORMATION

Irritancy of Product *The following ingredients are eye irritants: Ethanol. The following ingredients are skin irritants: Kerosene.*

Sensitization to Product *The following ingredients are considered sensitizers: Triethanolamine, Triazine*

Carcinogen Data *None of the ingredients are considered known or suspected carcinogens.*

Reproductive Toxicity *None of the ingredients are considered known or suspected reproductive toxicants.*

Teratogenicity *None of the ingredients are considered known or suspected teratogens.*

Mutagenicity *The following ingredients are considered mutagens: Ethyl Alcohol*

Synergistic Products *No known synergistic properties.*

LD₅₀ and LC₅₀ Information

ID	ORAL LD50	DERMAL LD50	INHALATION LC50
1	> 89000 mg/kg, rat	Not Available	Not Available
2	> 2000 mg/kg, rat	> 2000 mg/kg, rabbit	5 mg/L /4hr, rat
3	8000 mg/kg, rat	> 2000 mg/kg, rabbit	0.005 ppm /6hr, rat
4	6200 mg/kg, rat	> 20000 mg/kg, rabbit	> 8000 mg/L /4hr, rat
5	> 5000 mg/kg, rat	> 2000 mg/kg, rabbit	> 5.28 mg/L /4hr, rat
6	Not Available	Not Available	Not Available

SECTION 12 • ECOLOGICAL INFORMATION

Mobility *Not Available*

Persistence *Not Available*

Degradability *Not Available*

Bioaccumulation *Not Available*

Other Ecologic Data *Do not allow to enter waters, waste water, or soil.*

Effects on the Ozone Layer *This product does not contain any ozone depleting ingredients.*

Ecotoxicity

ID	FISH	INVERTEBRATES	AQUATIC PLANTS	MICROORGANISMS
1	Not Available	Not Available	Not Available	Not Available
2	Not Available	Not Available	Not Available	Not Available
3	LC50: >2000 mg/L /96 hr	EC50: 1850 mg/L /24 h	EC50: 216 mg/L /72 hr	EC10: 7650 mg/L /16 hr
4	LC50: 11000 mg/L /96 hr	EC50: 10800 mg/L /24 hr	NOEC: 5000 mg/L /7 day	NOEC: 5600 mg/L /16 hr
5	Not Available	Not Available	Not Available	Not Available
6	Not Available	Not Available	Not Available	Not Available

SECTION 13 • DISPOSAL CONSIDERATIONS

Waste Disposal *Hazard characteristics and regulatory waste stream classification can change with product use and location. Accordingly, it is the responsibility of the user to determine the proper storage, transportation, treatment, and/or disposal methodologies for spent materials and residues at the time of disposition. All waste material must be disposed of in compliance with the respective.*

Waste Disposal of Packaging *Consult with your local landfill to determine if empty small containers can be disposed of regular trash pickup. For disposal of large containers (typically 10 gallon or larger), or for containers not suitable for landfill, a licensed reconitioner should be used.*

Landfill Precautions *Not Available*

Incineration Precautions *Not Available*



MATERIAL SAFETY DATA SHEET

NO. 9 PLUS
Revision 1 ❖ October 6, 2009

Page 6 of 7

SECTION 14 • TRANSPORTATION INFORMATION

DOT SHIPPING INFORMATION (United States) Non-Regulated Material	ICAO/IATA SHIPPING INFORMATION (International Air) Non-Regulated Material
IMDG SHIPPING INFORMATION (International Ocean) Non-Regulated Material	ADR SHIPPING INFORMATION (European Union) Non-Regulated Material
TDG SHIPPING INFORMATION (Canada) Non-Regulated Material	NMFC DESCRIPTION (United States) ITEM DESCRIPTION: <i>Compounds Cleaning</i> ITEM NUMBER: 48580 Sub 3 CLASS: 55

Special Transport Precautions *Not Available*

SECTION 15 • REGULATORY INFORMATION

United States - Federal

ID	TSCA INVENTORY	SARA 302 EHS	RCRA	CERCLA	SARA 313	FIRE	REACTIVITY	SARA 311/312 ACUTE	CHRONIC	PRESSURE	CLEAN AIR ACT	CLEAN WATER ACT
1	✓	—	—	—	—	—	—	—	—	—	—	—
2	✓	—	—	—	—	—	—	✓	✓	—	—	—
3	✓	—	—	—	—	—	—	—	—	—	—	—
4	✓	—	—	—	—	✓	—	✓	✓	—	—	—
5	✓	—	—	—	—	✓	—	✓	✓	—	—	—
6	✓	—	—	—	—	—	—	—	—	—	—	—

United States - States

ID	CALIFORNIA	DELAWARE	FLORIDA	MASSACHUSETTS	PENNSYLVANIA	MINNESOTA	NEW JERSEY	NEW YORK	WASHINGTON
1	—	—	—	—	—	—	—	—	—
2	—	—	—	—	—	—	—	—	—
3	—	—	✓	5	—	AO	—	—	—
4	—	—	✓	2,4,5,6 *T1*	—	AO	—	—	—
5	—	—	✓	5	—	—	—	—	—
6	—	—	—	—	—	—	—	—	—

Canada

ID	WHMIS CATEGORIES									CHEMICAL LISTS			
	A	B	C	D1A	D1B	D2A	D2B	D3	E	DSL	NDSL	NPRI	CWC
1	—	—	—	—	—	—	—	—	—	✓	—	—	—
2	—	—	—	—	—	—	—	—	—	✓	—	—	—
3	—	—	—	—	—	—	—	—	—	✓	—	—	3B
4	B2	—	—	—	—	—	✓	—	—	✓	—	5	—
5	B3	—	—	—	—	—	✓	—	—	✓	—	—	—
6	—	—	—	—	—	—	—	—	—	✓	—	—	—

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

European Union

CODE	RISK PHRASES
R 11	Highly Flammable
R 36/38	Irritating to eyes and skin
R 43	May cause sensitization by skin contact
R 65	Harmful: may cause lung damage if swallowed

CODE	SAFETY PHRASES
S 2	Keep out of the reach of children
S 7	Keep container tightly closed
S 24/25	Avoid contact with skin and eyes
S 26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice
S 62	If swallowed do not induce vomiting; seek medical advise immediately



MATERIAL SAFETY DATA SHEET

NO. 9 PLUS

Revision 1 ❖ October 6, 2009

Page 7 of 7

RoHS Compliance



This product is RoHS compliant according to the definitions and restrictions given by Directive 2002/95/EC and The Council of January 27, 2003 on the restriction of the use of certain hazardous substances in electrical and electronic equipment.

Australia

Poisons Schedule Number

None of the ingredients are present at or above a concentration necessary for allocation of a Poisons Schedule Number.

Chemical Inventory Status

All of the ingredients are listed on the Australian Inventory of Chemical Substances (AICS) or are exempt.

SECTION 16 ● OTHER INFORMATION

Disclaimer of Liability

The information contained herein is based upon data provided to us by our suppliers, and reflects our best judgement. However, no warranty of merchantability, fitness for any use, or any other warranty or guarantee is expressed or implied regarding the accuracy of such data, or the results to be obtained from use thereof. Since the information contained herein may be applied under conditions beyond our control and with which we may be unfamiliar, we do not assume any responsibility for the results of such application. This information is furnished upon the condition that the persons receiving it shall make their own determinations of the suitability of the material for any particular use. Although certain hazards are described herein, we cannot guarantee these are the only hazards that exist.

Revision History

Revision 1, 10/06/2009, Original

MSDS Prepared By

Hazard Communication Associates, <http://www.hazcom411.com>