

This safety data sheet complies with the requirements of: (CLP) Regulation (EC 1272/2008)

Revision Date 03-Mar-2020

Version 1

## Section 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

### 1.1. Product identifier

**Product Code** 66\_66\_5\_66\_55  
**Product Name** AUTO MAGIC SPOKE WHEEL CLEANER

Contains , Hydrogen Fluoride , 2-Butoxyethanol

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

**Recommended Use** Wheel Cleaner. Dilution 1:2.

**Uses advised against** Uses other than recommended use.

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

#### **Manufacturer**

ITW Permatex  
6875 Parkland Blvd.  
Solon, Ohio 44139 USA  
Telephone: 1-87-Permatex  
(866) 732-9502

#### **E-mail address:**

Info@automagic.com

### 1.4. Emergency telephone number

24-hour emergency phone number - 800-255-3924 (00+ 1+ 813-248-0585) ChemTel

## SECTION 2: HAZARDS IDENTIFICATION:

### 2.1. Classification of the substance or mixture

Regulation (EC) No 1272/2008

<b>Acute toxicity - Oral</b>	Category 2 - (H300)
<b>Acute toxicity - Dermal</b>	Category 1 - (H310)
<b>Acute toxicity - Inhalation (Gases)</b>	Category 2 - (H330)
<b>Acute toxicity - Inhalation (Dusts/Mists)</b>	Category 2 - (H330)
<b>Skin corrosion/irritation</b>	Category 1 Sub-category A - (H314)
<b>Serious eye damage/eye irritation</b>	Category 1 - (H318)

**Classification according to Regulation (EC) No. 1272/2008 [CLP]**

Full text of R-phrases: see section 16

### 2.2. Label elements

Contains , Hydrogen Fluoride , 2-Butoxyethanol

**Signal word**

Danger

**Statements of hazard**

H300 - Fatal if swallowed

H310 - Fatal in contact with skin

H314 - Causes severe skin burns and eye damage

H330 - Fatal if inhaled

**Precautionary Statements**

P264 - Wash face, hands and any exposed skin thoroughly after handling

P270 - Do not eat, drink or smoke when using this product

P301 + P310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor

P321 - Specific treatment (see supplemental first aid instructions on this label)

P330 - Rinse mouth

P405 - Store locked up

P501 - Dispose of contents/ container to an approved waste disposal plant

P262 - Do not get in eyes, on skin, or on clothing

P280 - Wear protective gloves and protective clothing

P302 + P352 - IF ON SKIN: Wash with plenty of water and soap

P310 - Immediately call a POISON CENTER or doctor

P361 + P364 - Take off immediately all contaminated clothing and wash it before reuse

P260 - Do not breathe dust/fume/gas/mist/vapors/spray

P271 - Use only outdoors or in a well-ventilated area

P284 - In case of inadequate ventilation wear respiratory protection

P304 + P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing

P320 - Specific treatment is urgent (see .? on this label)

P403 + P233 - Store in a well-ventilated place. Keep container tightly closed

P260 - Do not breathe dusts or mists

P280 - Wear protective gloves/protective clothing/eye protection/face protection

P301 + P330 + P331 - IF SWALLOWED: rinse mouth. Do NOT induce vomiting

P303 + P361 + P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower

P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

P363 - Wash contaminated clothing before reuse

P280 - Wear eye protection/ face protection

**Other Information**

- Not applicable

**Section 3: COMPOSITION/INFORMATION ON INGREDIENTS****Mixtures**

Chemical Name	EC No	CAS No	Weight-%	Classification according to Regulation (EC) No. 1272/2008 [CLP]	REACH Registration Number
Hydrogen Fluoride	231-634-8	7664-39-3	3 - 7	Acute Tox. 2 (H300) Acute Tox. 1 (H310) Acute Tox. 2 (H330) Skin Corr. 1A (H314)	Exempt - Volume
2-Butoxyethanol	203-905-0	111-76-2	3 - 7	Acute Tox. 4 (H302)	Exempt - Volume

				Acute Tox. 4 (H312) Acute Tox. 4 (H332) Skin Irrit. 2 (H315) Eye Irrit. 2 (H319)	
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Full text of H- and EUH-phrases: see section 16

## Section 4: FIRST AID MEASURES

### 4.1. Description of first aid measures

<b>General advice</b>	Get medical advice/attention if you feel unwell.
<b>Inhalation</b>	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. If symptoms persist, call a physician.
<b>Skin contact</b>	IF ON SKIN: Wash with soap and water. If symptoms persist, call a physician. Wash contaminated clothing before reuse.
<b>Eye contact</b>	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
<b>Ingestion</b>	IF SWALLOWED: Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Call a physician.

### 4.2. Most important symptoms and effects, both acute and delayed

<b>Symptoms</b>	See section 2 for more information
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### 4.3. Indication of any immediate medical attention and special treatment needed

<b>Note to physicians</b>	Treat symptomatically.
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## Section 5: FIRE FIGHTING MEASURES

### 5.1. Extinguishing media

**Suitable extinguishing media**  
Carbon dioxide (CO<sub>2</sub>). Foam. Dry chemical.

**Unsuitable extinguishing media**  
No information available

### 5.2. Special hazards arising from the substance or mixture

None in particular.

### 5.3. Advice for firefighters

Wear self-contained breathing apparatus and protective suit. Use personal protective equipment as required.

## Section 6: ACCIDENTAL RELEASE MEASURES

### 6.1. Personal precautions, protective equipment and emergency procedures

**Personal precautions**  
Ensure adequate ventilation, especially in confined areas. Avoid contact with eyes and skin. Wash thoroughly after handling.

**For emergency responders**

Use personal protection recommended in Section 8.

**6.2. Environmental precautions**

See section 12 for additional ecological information.

**6.3. Methods and material for containment and cleaning up**

**Methods for containment** Prevent further leakage or spillage if safe to do so.

**Methods for cleaning up** Ensure adequate ventilation. Soak up with inert absorbent material. Sweep up and shovel into suitable containers for disposal. Use personal protective equipment as required.

**6.4. Reference to other sections**

See section 8 for more information. See section 13 for more information.

**Section 7: HANDLING AND STORAGE****7.1. Precautions for safe handling****Advice on safe handling**

Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin and eyes. Avoid breathing vapors or mists.

**General Hygiene Considerations**

Do not eat, drink or smoke when using this product. Take off all contaminated clothing and wash it before reuse. Wash hands and face thoroughly after handling.

**7.2. Conditions for safe storage, including any incompatibilities****Storage Conditions**

Keep container tightly closed in a dry and well-ventilated place.

**Incompatible materials**

Strong oxidizing agents

**7.3. Specific end use(s)****Specific use(s)**

Automotive Care Product.

**Risk Management Methods (RMM)**

The information required is contained in this Safety Data Sheet.

**Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION****8.1. Control parameters**

Chemical Name	European Union	United Kingdom	France	Spain	Germany
Hydrogen Fluoride 7664-39-3	TWA 1.8 ppm TWA 1.5 mg/m <sup>3</sup> STEL 3 ppm STEL 2.5 mg/m <sup>3</sup>	TWA: 1.8 ppm TWA: 1.5 mg/m <sup>3</sup> STEL: 3 ppm STEL: 2.5 mg/m <sup>3</sup>	TWA: 1.8 ppm TWA: 1.5 mg/m <sup>3</sup> STEL: 3 ppm STEL: 2.5 mg/m <sup>3</sup>	TWA: 1.8 ppm TWA: 1.5 mg/m <sup>3</sup> STEL: 3 ppm STEL: 2.5 mg/m <sup>3</sup>	TWA: 1 ppm TWA: 0.83 mg/m <sup>3</sup> TWA: 1 mg/m <sup>3</sup> H*
2-Butoxyethanol 111-76-2	TWA 20 ppm TWA 98 mg/m <sup>3</sup> STEL 50 ppm STEL 246 mg/m <sup>3</sup> *	TWA: 25 ppm TWA: 123 mg/m <sup>3</sup> STEL: 50 ppm STEL: 246 mg/m <sup>3</sup> Sk*	TWA: 10 ppm TWA: 49 mg/m <sup>3</sup> STEL: 50 ppm STEL: 246 mg/m <sup>3</sup> *	TWA: 20 ppm TWA: 98 mg/m <sup>3</sup> STEL: 50 ppm STEL: 245 mg/m <sup>3</sup> via dermica*	TWA: 10 ppm TWA: 49 mg/m <sup>3</sup> H*
Chemical Name	Italy	Portugal	Netherlands	Finland	Denmark

Hydrogen Fluoride 7664-39-3	TWA: 1.8 ppm TWA: 1.5 mg/m³ STEL: 3 ppm STEL: 2.5 mg/m³	TWA: 0.5 ppm TWA: 1.5 mg/m³ TWA: 2.5 mg/m³ STEL: 3 ppm STEL: 2.5 mg/m³ Ceiling: 2 ppm	STEL: 1 mg/m³	TWA: 1.8 ppm TWA: 1.5 mg/m³ STEL: 3 ppm STEL: 2.5 mg/m³ iho*	TWA: 1.8 ppm TWA: 1.5 mg/m³ TWA: 2.5 mg/m³	
2-Butoxyethanol 111-76-2	TWA: 20 ppm TWA: 98 mg/m³ STEL: 50 ppm STEL: 246 mg/m³ pelle*	TWA: 20 ppm TWA: 98 mg/m³ STEL: 50 ppm STEL: 246 mg/m³ P*	TWA: 100 mg/m³ STEL: 246 mg/m³ H*	TWA: 20 ppm TWA: 98 mg/m³ STEL: 50 ppm STEL: 250 mg/m³ iho*	TWA: 20 ppm TWA: 98 mg/m³ H*	
Chemical Name	Austria	Switzerland	Poland	Norway	Ireland	Slovenia
Hydrogen Fluoride 7664-39-3	TWA: 1.8 ppm TWA: 1.5 mg/m³ STEL 3 ppm STEL 2.5 mg/m³ H*	TWA: 1 ppm TWA: 0.83 mg/m³ STEL: 2 ppm STEL: 1.66 mg/m³	STEL: 2 mg/m³ TWA: 0.5 mg/m³ TWA: 2 mg/m³	TWA: 0.5 mg/m³ STEL: 1.5 mg/m³ STEL: 1.8 ppm H*	TWA: 1.5 mg/m³ TWA: 1.8 ppm TWA: 2.5 mg/m³ STEL: 2.5 mg/m³ STEL: 3 ppm STEL: 7.5 mg/m³ Sk*	TWA: 1.8 ppm TWA: 1.5 mg/m³ STEL: STEL ppm STEL: STEL mg/m³ K*
2-Butoxyethanol 111-76-2	TWA: 20 ppm TWA: 98 mg/m³ STEL 40 ppm STEL 200 mg/m³ H*	TWA: 10 ppm TWA: 49 mg/m³ STEL: 20 ppm STEL: 98 mg/m³ H*	STEL: 200 mg/m³ TWA: 98 mg/m³	TWA: 10 ppm TWA: 50 mg/m³ STEL: 15 ppm STEL: 75 mg/m³ H*	TWA: 20 ppm TWA: 98 mg/m³ STEL: 50 ppm STEL: 246 mg/m³ Sk*	TWA: 20 ppm TWA: 98 mg/m³ STEL: STEL ppm STEL: STEL mg/m³ K*

<b>Chemical Name</b>	<b>European Union</b>	<b>United Kingdom</b>	<b>France</b>	<b>Spain</b>	<b>Germany</b>
Hydrogen Fluoride 7664-39-3	-	-	-	2 3	7.0 mg/g Creatinine 4.0 mg/g Creatinine
2-Butoxyethanol 111-76-2	-	240	-	200	150 mg/g Creatinine
<b>Chemical Name</b>	<b>Austria</b>	<b>Switzerland</b>	<b>Poland</b>	<b>Norway</b>	<b>Ireland</b>
Hydrogen Fluoride 7664-39-3	-	4	-	-	-
2-Butoxyethanol 111-76-2	-	150	-	-	-

**Derived No Effect Level (DNEL)** No information available.

**Predicted No Effect Concentration (PNEC)** No information available.

## 8.2. Exposure controls

**Engineering Controls** Use exhaust ventilation to keep airborne concentrations below exposure limits.

### Personal protective equipment

**Eye/face protection** Wear safety glasses with side shields (or goggles).  
**Skin and body protection** Suitable protective clothing. Gloves made of plastic or rubber.  
**Respiratory protection** In case of insufficient ventilation, wear suitable respiratory equipment. Use NIOSH-approved air-purifying respirator with organic vapor cartridge or canister, as appropriate.

**Environmental exposure controls** Local authorities should be advised if significant spillages cannot be contained.

## Section 9: PHYSICAL AND CHEMICAL PROPERTIES

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

**Physical state** Liquid  
**Appearance** Gray  
**Odor** Acidic  
**Odor threshold** No information available

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
pH	1.5	
Melting point / freezing point	No information available	
Boiling point / boiling range	No information available	
Flash point	No information available	
Evaporation rate	No information available	
Flammability (solid, gas)	No information available	
Flammability Limit in Air		
Upper flammability limit:	No information available	
Lower flammability limit:	No information available	
Vapor pressure	No information available	
Vapor density	No information available	
Relative density	No information available	
Water solubility	No information available	
Solubility(ies)	Soluble	
Partition coefficient	No information available	
Autoignition temperature	No information available	
Decomposition temperature	No information available	
Kinematic viscosity	No information available	
Dynamic viscosity	No information available	
Explosive properties	No information available	
Oxidizing properties	No information available	
<b><u>9.2. Other information</u></b>		
Softening point	No information available	
Molecular weight	No information available	
VOC Content (%)	Dilution 1:2. Dilution required to meet California VOC Compliance. 1.7%	
Density	1.04	
Bulk density	No information available	

## Section 10: STABILITY AND REACTIVITY

### 10.1. Reactivity

Not applicable

### 10.2. Chemical stability

Stable under normal conditions.

#### Explosion data

Sensitivity to Mechanical Impact   None.

Sensitivity to Static Discharge       None.

### 10.3. Possibility of hazardous reactions

None under normal processing.

### 10.4. Conditions to avoid

Excessive heat.

### 10.5. Incompatible materials

Strong oxidizing agents

### 10.6. Hazardous decomposition products

Carbon oxides

**Section 11: TOXICOLOGICAL INFORMATION****11.1. Information on toxicological effects****Product Information**

<b>Inhalation</b>	May cause irritation of respiratory tract.
<b>Eye contact</b>	Irritating to eyes. May cause redness and tearing of the eyes.
<b>Skin contact</b>	May cause skin irritation and/or dermatitis. Prolonged contact may cause redness and irritation.
<b>Ingestion</b>	Ingestion may cause irritation to mucous membranes.

The following values are calculated based on chapter 3.1 of the GHS document

<b>ATEmix (oral)</b>	9.91 mg/kg
<b>ATEmix (dermal)</b>	9.95 mg/kg
<b>ATEmix (inhalation-gas)</b>	482.89 ppm
<b>ATEmix (inhalation-dust/mist)</b>	0.10 mg/l
<b>ATEmix (inhalation-vapor)</b>	450.00 mg/l
<b>Unknown acute toxicity</b>	

<b>Chemical Name</b>	<b>Oral LD50</b>	<b>Dermal LD50</b>	<b>Inhalation LC50</b>
2-Butoxyethanol	= 470 mg/kg ( Rat )	= 435 mg/kg ( Rabbit )	= 486 ppm ( Rat ) 4 h = 450 ppm ( Rat ) 4 h
Hydrogen Fluoride			= 0.79 mg/L ( Rat ) 1 h

<b>Skin corrosion/irritation</b>	No information available.
<b>Serious eye damage/eye irritation</b>	No information available.
<b>Sensitization</b>	No information available.
<b>Germ cell mutagenicity</b>	No information available.
<b>Carcinogenicity</b>	No information available.
<b>Reproductive toxicity</b>	No information available.
<b>STOT - single exposure</b>	No information available.
<b>STOT - repeated exposure</b>	No information available.
<b>Target Organ Effects</b>	Blood, Central nervous system, Eyes, Hematopoietic System, kidney, Liver, Respiratory system, Skin.
<b>Aspiration hazard:</b>	No information available.

**Section 12: ECOLOGICAL INFORMATION****12.1. Toxicity**

<b>Chemical Name</b>	<b>Algae/aquatic plants</b>	<b>Fish</b>	<b>Crustacea</b>
Hydrogen Fluoride	-	660: 48 h Leuciscus idus mg/L LC50	270: 48 h Daphnia species mg/L EC50
2-Butoxyethanol	-	2950: 96 h Lepomis macrochirus mg/L LC50 1490: 96 h Lepomis macrochirus mg/L LC50 static	1000: 48 h Daphnia magna mg/L EC50 1698 - 1940: 24 h Daphnia magna mg/L EC50

**12.2. Persistence and degradability**

No information available.

**12.3. Bioaccumulative potential**

No information available.

Chemical Name	Partition coefficient
Hydrogen Fluoride	-1.4
2-Butoxyethanol	0.81

**12.4. Mobility in soil****Mobility in soil**

No information available.

**12.5. Results of PBT and vPvB assessment**

No information available.

**12.6. Other adverse effects**

No information available

**Endocrine Disruptor Information**

None known.

**Section 13: DISPOSAL CONSIDERATIONS****13.1. Waste treatment methods**

<b>Waste from residues/unused products</b>	Disposal should be in accordance with applicable regional, national and local laws and regulations.
<b>Contaminated packaging</b>	Do not reuse container.
<b>Waste codes / waste designations according to EWC / AVV</b>	No Data Available
<b>Other Information</b>	Waste codes should be assigned by the user based on the application for which the product was used.

**Section 14: TRANSPORT INFORMATION****Note:**

This information is not intended to convey all specific regulatory information relating to this product. Transportation classifications may vary by container volume and may be influenced by regional or country variations in regulations. It is the responsibility of the transporting organization to follow all applicable laws, regulations and rules relating to the transportation of the material.

**IMDG**

<b>14.1 UN/ID No</b>	UN3264
<b>14.2 Proper shipping name:</b>	Corrosive Liquid Acidic Inorganic N.O.S. (Hydrofluoric Acid)
<b>14.3 Hazard Class</b>	8
<b>14.4 Packing Group</b>	III

14.5 Environmental hazard	Not applicable
14.6 Special Provisions	No information available
14.7 EmS-No	Not applicable

**RID**

14.1 UN/ID No	No information available.
14.2 Proper shipping name:	No information available
14.3 Hazard Class	No information available.
14.4 Packing Group	None
14.5 Environmental hazard	Not applicable
14.6 Special Provisions	No information available
14.7 Classification code	No information available

**ADR**

14.1 UN/ID No	No information available.
14.2 Proper shipping name:	No information available
14.3 Hazard Class	No information available.
14.4 Packing Group	None
14.5 Environmental hazard	Not applicable
14.6 Special Provisions	No information available
14.7 Classification code	No information available

**IATA**

14.1 UN/ID No	UN3264
14.2 Proper shipping name:	Corrosive Liquid Acidic Inorganic N.O.S. (Hydrofluoric Acid)
14.3 Hazard Class	8
14.4 Packing Group	III
14.5 Environmental hazard	Not applicable
14.6 Special Provisions	No information available
14.7 ERG Code	Not applicable

**Section 15: REGULATORY INFORMATION****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

Chemical Name	French RG number	Title
Hydrogen Fluoride 7664-39-3	RG 32	-
2-Butoxyethanol 111-76-2	RG 84	-

**European Union**

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work

**Authorizations and/or restrictions on use:**

This product does not contain substances subject to authorization (Regulation (EC) No. 1907/2006 (REACH), Annex XIV) This product does not contain substances subject to restriction (Regulation (EC) No. 1907/2006 (REACH), Annex XVII)

**Persistent Organic Pollutants**

Not applicable

**Ozone-depleting substances (ODS) regulation (EC) 1005/2009**

Not applicable

**International Inventories**

TSCA	Complies
DSL/NDL	Complies
EINECS/ELINCS	Complies
ENCS	Complies
IECSC	Complies
KECL	Complies
PICCS	Complies
AICS	Complies

**Legend:**

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDL - Canadian Domestic Substances List/Non-Domestic Substances List

EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

ENCS - Japan Existing and New Chemical Substances

IECSC - China Inventory of Existing Chemical Substances

KECL - Korean Existing and Evaluated Chemical Substances

PICCS - Philippines Inventory of Chemicals and Chemical Substances

AICS - Australian Inventory of Chemical Substances

**15.2. Chemical safety assessment**

No information available

**Section 16: OTHER INFORMATION****Key or legend to abbreviations and acronyms used in the safety data sheet****Full text of H-Statements referred to under section 3**

H300 - Fatal if swallowed

H302 - Harmful if swallowed

H310 - Fatal in contact with skin

H312 - Harmful in contact with skin

H314 - Causes severe skin burns and eye damage

H315 - Causes skin irritation

H319 - Causes serious eye irritation

H330 - Fatal if inhaled

H332 - Harmful if inhaled

**Legend**

SVHC: Substances of Very High Concern for Authorization:

**Legend Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

TWA	TWA (time-weighted average)	STEL	STEL (Short Term Exposure Limit)
Ceiling	Maximum limit value	*	Skin designation

Revision Date 03-Mar-2020

Revision Note Not applicable.

This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006

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End of Safety Data Sheet