MATERIAL SAFETY DATA SHEET
812-008 / 812-032 / 813-01 / 814-05 / 816-55

Canutec 1-613-996-6666 (24 hours)

1. CHEMICAL PRODUCT AND COMPANY INFORMATION

Product identification :	812-008 / 812-032 / 813-01 / 814-05 / 816-55
Product name :	WHEELS
Synonyms :	Tire and bug cleaner
Chemical family :	Mixture
Supplier / Manufacturer :	Auto-Chem Inc. 33 de Lyon Repentigny, QC, Canada J5Z 4Z3 Tel : 450-654-9292 Fax : 450-654-0633 www.autochem.com
Contact :	Jean Dagenais

2. COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient	CAS	Percentage	Exposure limits
Sodium metasilicate	6834-92-0	1 – 5	LD50 1153 mg/kg, rat, oral LD50 770 mg/kg, mouse, oral
Glycol Ether EB	111-76-2	5 – 10	LD50 500 mg/kg, rat, oral TLV, TWA 20 ppm OSHA PEL, TWA 50 ppm, skin NIOSH PEL, TWA 5 ppm, skin NIOSH IDLH 700 ppm
Sodium amphocarboxylates	68610-44-6	1 – 5	LD50 >25 000 mg/kg, rat, oral
Sodium Xylenesulphonate	1300-72-7	1 – 5	LD50 7200 mg/kg, rat, oral

3. HAZARDS IDENTIFICATION

Routes of entry: Dermal contact. Eye contact. Inhalation. Ingestion.

Potential acute health effects :

Eye contact : Product can be corrosive to the eyes. Can cause irritation, including pain, redness and reversible damages to the cornea.

Skin contact : Can cause severe irritation to the skin, including redness, inflammation, and itching.

Inhalation : Inhalation of product aerosol can cause severe irritation of the respiratory tract, coughing, sneezing, respiratory difficulties and sore throat.

Ingestion : Ingestion of the product can cause an irritation of the gastro-intestinal tract including nausea and vomiting, burns of the mouth, throat, oesophagus, stomach.

Potential chronic health effects :

Eye contact : Overexposure can cause irreversible damages to the cornea.

Skin contact : Prolonged or repeated contact with the skin can cause allergic reactions.

Inhalation : None known.

Ingestion : Harmful if swallowed.

4. FIRST AID MEASURES

Eyes : Rinse immediately with water or a saline solution for 15 to 20 minutes, lifting the upper and lower eyelids. Remove contact lenses. Obtain medical attention.

Skin : In case of direct contact, rinse with running water 15 to 20 minutes. Remove contaminated clothing and wash with soap and water. Obtain medical attention if symptoms occur.

Inhalation : Remove person to fresh air. In case of respiratory failure, give artificial respiration and obtain immediate medical care. In case of respiratory distress, obtain medical attention.

Ingestion : Give water to drink. Do not induce vomiting. Never give anything by mouth to an unconscious or convulsing person. In case of respiratory or cardiac arrest, start cardio-pulmonary resuscitation and obtain medical attention.

5. FIRE FIGHTING MEASURES

Flash point: Not applicable.
Auto-ignition temperature : Not applicable.
Flammability limits – air (%): LEL: UEL:
Extinguishing media: As required by the surrounding fire.
Protective equipment: Firefighters must wear adequate protective clothing and autonomous NIOSH/MSHA approved masks.
Hazardous combustion materials: Sodium oxides, carbon oxides, nitrogen oxides, aldehydes, ketones, organic acids.
Recommendations: Remove containers from the fire area if safe to do so. Do not disperse the product with high pressure water jets. Dike water runoffs. Cool containers with water.

6. ACCIDENTAL RELEASE MEASURES

Wear appropriate protection equipment. Restrict access to the spill area to qualified personnel. Insure adequate ventilation. Do not touch spilled product. Prevent spilled material from entering sewers or waterways. Stop or reduce leak if safe to do so.

Small spill : Contain and soak up spill with absorbent material that will not react with product. Neutralize with a dilute solution of acetic acid. Flush area with water. Put material in covered and identified containers for elimination.

Large spill : Contain and soak up spill with absorbent material that will not react with product. Neutralize with a dilute solution of acetic acid. Flush area with water. Put material in covered and identified containers for elimination.

7. HANDLING AND STORAGE

Handling : Do not breather vapours or aerosols. Prevent contact with eyes or skin by wearing proper protective equipment. Prevent contact with incompatible materials. Wash thoroughly after using this product. Wash contaminated clothing before reuse. Empty containers retain residue, dispose accordingly.

Storage : Store in a cool, dry, well ventilated area, away from incompatible materials. Keep from freezing.

8. EXPOSURE CONTROL / PERSONAL PROTECTION

Engineering controls : Local ventilation to control vapours and aerosols.

Personal protection equipment for routine handling :

Eye : Splash goggles.
Skin : Long sleeve clothes, lab coat.
Gloves : Impervious gloves.
Inhalation : If necessary, use a NIOSH/MSHA approved mask.

Personal protection equipment for spills :

Eyes : Splash goggles.
Skin : Impervious clothes.
Gloves : Impervious gloves, chemicals resistant gloves.
Inhalation : NIOSH/MSHA approved mask. If in an enclosed area, an autonomous mask is recommended.

Note : These precautions are for room temperature handling. Use at elevated temperatures of aerosol spray applications may require added protection.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state :	Liquid, clear
Coulour :	Blue
Odour :	Gum
pH @ 1% :	10 to 11
Relative density (g/cm3) :	1.03
Boiling point :	100 C
Freezing point :	0 C
Vapour pressure :	Not determined
Volatiles (weight) :	Not determined
Solubility (water) :	Soluble
VOC (%) :	10.7
Viscosity :	Not determined

10. STABILITY AND REACTIVITY

Chemical stability : Stable
Hazardous polymerization : None known
Conditions to avoid : None known
Materials to avoid : Strong acids, oxidants, fluorine, can be corrosive to aluminium.
Dangerous decomposition products : Sodium oxides, carbon oxides, nitrogen oxides, aldehydes, ketones, organic acids.

11. TOXICOLOGICAL INFORMATION

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Potential Chronic Health Effects

Carcinogenic effects: None known.
Mutagenic effects: None known.
Teratogenic effects: None known.

Target organs: One of the product components can cause effects on the central nervous system, blood, kidneys and liver.

12. ECOLOGICAL INFORMATION

Ingredient	CAS	Test	Species
Sodium amphocarboxylates	68610-44-6	EC50 >100 mg/l/48 hrs	Daphnia magna

13. DISPOSAL CONSIDERATIONS

Waste disposal method : Dispose according to municipal, provincial and federal regulations.
Contaminated packaging : According to municipal, provincial and federal regulations.

14. TRANSPORT INFORMATION

Not regulated for transport.

15. REGULATORY INFORMATION

WHIMS: D2B Materials causing other toxic effects.
E Corrosive materials.

DSL : All components of this product are either on the Domestic Substance List (DSL), the Non-Domestic Substance List (NDSL) or exempt.

TSCA : U.S. TSCA Inventory Status : All components of this product are either on the Toxic Substances Control Act Inventory List or exempt.

16. OTHER INFORMATION

Prepared by : Auto-Chem Inc. Date : Sept. 2015

Notice to reader :

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