

Safety Data Sheet

F-140 VEHICLE WASH POWDER

SECTION 1. IDENTIFICATION

Product Identifier	F-140 VEHICLE WASH POWDER
Other Means of Identification	P4009
Recommended Use	Pressure Wash Concentrate.
Restrictions on Use	Industrial Use Only - Keep Away from Children.
Manufacturer/Supplier Identifier	Chemisphere Solutions Ltd., 15 Calder Place, St. Albert, Alberta, T8N 5A6
Supplier Identifier	Chemisphere Solutions Ltd., 15 Calder Place, St. Albert, Alberta, T8N 5A6
Emergency Phone No.	CANUTEC, 613 966 - 6666, 24 Hours Alberta Poison Centre, (800) 332 - 1414, 24 Hours
SDS No.	01660029

SECTION 2. HAZARD IDENTIFICATION

Classification

Acute toxicity (Oral) - Category 4; Skin corrosion - Category 1; Serious eye damage - Category 1; Carcinogenicity - Category 2

Label Elements



Signal Word:
Danger

Hazard Statement(s):

Harmful if swallowed.
Causes severe skin burns and eye damage.
Suspected of causing cancer.

Precautionary Statement(s):

Do not handle until all safety precautions have been read and understood.
Wash hands and skin thoroughly after handling.
Do not eat, drink or smoke when using this product.
Wear protective gloves/protective clothing/eye protection/face protection.
Wear eye protection/face protection.

Response:

IF SWALLOWED: Call a POISON CENTRE or doctor if you feel unwell.
IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
IF INHALED: Remove person to fresh air and keep comfortable for breathing.

Product Identifier:	F-140 VEHICLE WASH POWDER
SDS No.:	01660029
Date of Preparation:	May 17, 2018

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Wash contaminated clothing before reuse.

Storage:

Store in accordance with local, regional, national and international regulations.

Disposal:

Dispose of contents and container in accordance with local, regional, national and international regulations.

Other Hazards

Repeated exposure may cause skin dryness or cracking.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Mixture:

Chemical Name	CAS No.	%	Other Identifiers
Sodium tripolyphosphate	7758-29-4	30-60	
Sodium carbonate	497-19-8	7-13	
Sodium Metasilicate	10213-79-3	7-13	
Acetic acid, nitrilotri-, trisodium salt, monohydrate	18662-53-8	7-13	
Benzenesulfonic acid, mono-C10-16-alkyl derivs., sodium salts	68081-81-2	7-13	

Notes

Contact manufacturer/supplier in case of an emergency.

The specific chemical identity and/or exact percentage of composition (concentration) has been withheld as a trade secret.

SECTION 4. FIRST-AID MEASURES

First-aid Measures

Inhalation

Move to fresh air. Call a Poison Centre or doctor if you feel unwell.

Skin Contact

Take off contaminated clothing, shoes and leather goods (e.g. watchbands, belts). Quickly and gently blot or brush away excess chemical. Wash with plenty of water. If symptoms develop or persist, seek medical advice/attention. Thoroughly clean clothing, shoes and leather goods before reuse or dispose of safely.

Eye Contact

Avoid direct contact. Wear chemical protective gloves if necessary. Quickly and gently blot or brush chemical off the face. Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Take care not to rinse contaminated water into the unaffected eye or onto the face. If symptoms develop or persist, seek immediate medical advice/attention.

Ingestion

Never give anything by mouth if person is rapidly losing consciousness, or is unconscious or convulsing. Do not induce vomiting. Rinse mouth with water. Guard against aspiration of liquid into lungs. If vomiting occurs naturally, lie on your side in the recovery position. Rinse mouth with water again.

Immediately call a Poison Centre or doctor.

Most Important Symptoms and Effects, Acute and Delayed

Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

Product Identifier: F-140 VEHICLE WASH POWDER

SDS No.: 01660029

Page 02 of 07

Date of Preparation: May 17, 2018

Immediate Medical Attention and Special Treatment

Medical Conditions Aggravated by Exposure

None known.

SECTION 5. FIRE-FIGHTING MEASURES

Extinguishing Media

Suitable Extinguishing Media

Carbon dioxide, dry chemical powder, appropriate foam, water spray or fog.

Unsuitable Extinguishing Media

None known.

Specific Hazards Arising from the Product

Heating increases the release of toxic vapour. Closed containers may rupture violently when heated releasing contents.

In a fire, the following hazardous materials may be generated: irritating chemicals; toxic chemicals; very toxic carbon monoxide, carbon dioxide; sodium oxides; corrosive phosphorous oxides; corrosive, oxidizing nitrogen oxides; corrosive, flammable ammonia.

Special Protective Equipment and Precautions for Fire-fighters

Evacuate area. Fight fire from a safe distance or a protected location. Approach fire from upwind to avoid hazardous vapours or gases. Knock down vapours or gases with water fog or fine water spray.

Before entry, especially into confined areas, use an appropriate monitor to check for: toxic gases or vapours.

Fire-fighters may enter the area if positive pressure SCBA and full Bunker Gear is worn.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment, and Emergency Procedures

Emergency responders: evacuate the area immediately. Isolate the hazard area. Keep out unnecessary and unprotected personnel. Do not touch damaged containers or spilled product unless wearing appropriate protective equipment. Increase ventilation to area or move leaking container to a well-ventilated and secure area. Remove or isolate incompatible materials as well as other hazardous materials.

Environmental Precautions

It is good practice to prevent releases into the environment.

Methods and Materials for Containment and Cleaning Up

Stop or reduce leak if safe to do so.

Large spills or leaks: collect using shovel/scoop or approved HEPA vacuum and place in a suitable container for disposal. Flush spill area. Follow similar procedure for small spills or leaks.

SECTION 7. HANDLING AND STORAGE

Precautions for Safe Handling

Avoid breathing in this product. Do not swallow. Do not get in eyes. Prevent skin contact. Only use where there is adequate ventilation. Avoid generating vapours or mists. Avoid heating that will increase the amount of vapours.

Prevent accidental contact with incompatible chemicals.

Prevent uncontrolled release of product. Avoid release to the environment.

General hygiene considerations: wash hands thoroughly after handling this material. Do NOT eat, drink or store food in work areas. Wash hands thoroughly after handling this product and before eating, using the washroom or leaving work area. Launder clothes before rewearing. Inform laundry personnel of product hazard(s).

Conditions for Safe Storage

Store in an area that is: separate from incompatible materials (see Section 10: Stability and Reactivity), cool, dry, well-ventilated. Store in a closed container. Do not handle swollen drums. Get expert advice.

Empty containers may contain hazardous residue. Store separately. Keep closed. Follow all precautions given on this safety data sheet. Comply with all applicable health and safety regulations, fire and building codes.

Product Identifier: F-140 VEHICLE WASH POWDER

SDS No.: 01660029

Page 03 of 07

Date of Preparation: May 17, 2018

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Parameters

Chemical Name	ACGIH TLV®		OSHA PEL		AIHA WEEL	
	TWA	STEL	TWA	Ceiling	8-hr TWA	TWA
Sodium Metasilicate	Not established		Not established			
Acetic acid, nitrilotri-, trisodium salt, monohydrate	Not established					

Appropriate Engineering Controls

Use local exhaust ventilation, if general ventilation is not adequate to control amount in the air. Exhaust directly to the outside, taking any necessary precautions for environmental protection.

Provide eyewash and safety shower if contact or splash hazard exists.

Individual Protection Measures

Eye/Face Protection

Wear chemical safety goggles.

Skin Protection

Wear chemical protective clothing e.g. gloves, aprons, boots.

Respiratory Protection

If engineering controls do not maintain airborne contaminant concentration at a level which is adequate to protect worker health, an approved respirator may be appropriate. Respirator selection, use and maintenance must be in accordance with regulatory requirements, if applicable.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Basic Physical and Chemical Properties

Appearance	White powder.
Odour	Odourless
Odour Threshold	Not available
pH	9.8
Melting Point/Freezing Point	Not available (melting); Not applicable (freezing)
Initial Boiling Point/Range	Not applicable
Flash Point	Not applicable
Evaporation Rate	Not available
Flammability (solid, gas)	Will not burn.
Upper/Lower Flammability or Explosive Limit	Not applicable (upper); Not applicable (lower)
Vapour Pressure	Not applicable
Vapour Density (air = 1)	Not available
Relative Density (water = 1)	Not available
Solubility	Moderately soluble in water
Partition Coefficient, n-Octanol/Water (Log Kow)	Not available
Auto-ignition Temperature	Not applicable
Decomposition Temperature	Not available
Viscosity	Not available (kinematic); Not available (dynamic)

SECTION 10. STABILITY AND REACTIVITY

Product Identifier: F-140 VEHICLE WASH POWDER
SDS No.: 01660029
Date of Preparation: May 17, 2018

Reactivity

Not reactive under normal conditions of use.

Chemical Stability

Normally stable.

Possibility of Hazardous Reactions

None expected under normal conditions of storage and use.

Conditions to Avoid

Incompatible materials. High temperatures. Water, moisture or humidity.

Incompatible Materials

Strong oxidizing agents (e.g. perchloric acid), strong acids (e.g. hydrochloric acid).

Corrosive to: aluminum alloys.

Hazardous Decomposition Products

Very toxic carbon monoxide, carbon dioxide. releases flammable hydrogen when in contact with metals listed above.

SECTION 11. TOXICOLOGICAL INFORMATION**Likely Routes of Exposure**

Inhalation; skin contact; eye contact; ingestion.

Acute Toxicity

Chemical Name	LC50	LD50 (oral)	LD50 (dermal)
Sodium carbonate	1150 mg/m3 (rat) (4-hour exposure) (aerosol)	4000 mg/kg (rat)	> 2000 mg/kg (rabbit)
Sodium tripolyphosphate	> 390 mg/m3 (4-hour exposure)	6500 mg/kg	> 4640 mg/kg
Sodium Metasilicate		1153 mg/kg (male rat)	
Acetic acid, nitrilotri-, trisodium salt, monohydrate	5 mg/L (4-hour exposure)	4200 mg/kg (rat)	
Benzenesulfonic acid, mono-C10-16-alkyl derivs., sodium salts		1080 mg/kg (rat)	> 2000 mg/kg (rat)

Skin Corrosion/Irritation

Corrosive based on information for closely related materials.

Serious Eye Damage/Irritation

Causes serious eye damage based on skin corrosion information.

STOT (Specific Target Organ Toxicity) - Single Exposure**Inhalation**

May cause nose and throat irritation.

Skin Absorption

No information was located.

Ingestion

May be harmful based on information for closely related materials. May cause irritation of the mouth, throat and stomach. Symptoms may include nausea, vomiting, stomach cramps and diarrhea.

Aspiration Hazard

Not known to be an aspiration hazard.

STOT (Specific Target Organ Toxicity) - Repeated Exposure

May cause effects similar to STOT (Specific Target Organ Toxicity) - Single Exposure, as described above.

Respiratory and/or Skin Sensitization

Product Identifier: F-140 VEHICLE WASH POWDER

SDS No.: 01660029

Page 05 of 07

Date of Preparation: May 17, 2018

Not known to be a respiratory sensitizer. Not known to be a skin sensitizer.

Carcinogenicity

Chemical Name	IARC	ACGIH®	NTP	OSHA
Sodium Metasilicate	Not Listed			
Benzenesulfonic acid, mono-C10-16-alkyl derivs., sodium salts	Not evaluated			

Suspected of causing cancer. IARC: Group 2B – Possibly carcinogenic to humans. (Acetic acid, nitrilotri-, trisodium salt, monohydrate)

Reproductive Toxicity

Development of Offspring

Not known to harm the unborn child.

Sexual Function and Fertility

Not known to cause effects on sexual function or fertility.

Effects on or via Lactation

Not known to cause effects on or via lactation.

Germ Cell Mutagenicity

Not known to be a mutagen.

Interactive Effects

No information was located.

SECTION 12. ECOLOGICAL INFORMATION

This section is not required by WHMIS. This section is not required by OSHA HCS 2012.

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal Methods

This section is not required by OSHA HCS 2012. This section is not required by WHMIS 2015.

SECTION 14. TRANSPORT INFORMATION

This section is not required by WHMIS 2015. This section is not required by OSHA HCS 2012.

Special Precautions Not applicable

Transport in Bulk According to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

SECTION 15. REGULATORY INFORMATION

Safety, Health and Environmental Regulations

This section is not required by OSHA HCS 2012. This section is not required by WHMIS.

SECTION 16. OTHER INFORMATION

SDS Prepared By Chemisphere Solutions Ltd
Phone No. (780) 460-4670
Date of Preparation May 17, 2018
Date of Last Revision October 14, 2020
Key to Abbreviations IARC = International Agency for Research on Cancer
HSDB® = Hazardous Substances Data Bank

Product Identifier: F-140 VEHICLE WASH POWDER

SDS No.: 01660029

Date of Preparation: May 17, 2018

References

OSHA = US Occupational Safety and Health Administration
CHEMINFO database. Canadian Centre for Occupational Health and Safety (CCOHS).
HSDB® database. US National Library of Medicine. Available from Canadian Centre for Occupational Health and Safety (CCOHS).

Product Identifier: F-140 VEHICLE WASH POWDER
SDS No.: 01660029
Date of Preparation: May 17, 2018

Page 07 of 07