

SAFETY DATA SHEET

ASTRO

VERSION 2.1



REVISION DATE 05/24/2016

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Material name : **Astro**
Product Use : Car Wash
Restrictions on Use : Only use product as outlined on label

MANUFACTURER OR SUPPLIER'S DETAILS

Company : Power Line Industries, Inc.
Address : 14773 Heritage Crest Way
Riverton, UT 84065
Telephone : 801-545-0777

EMERGENCY TELEPHONE NUMBERS	
For SDS Information	: Compliance Services 1-866-624-8186
For a Medical Emergency	: 1-800-222-1222 or DIAL 911
For a Transportation	: ChemTel, Inc. 1-800-255-3924

Note: This product is labeled as a consumer product in accordance with the United States Consumer Product Safety Commission regulations. The warnings presented below in this Safety Data Sheet (SDS) comply with the 2012 OSHA Hazard Communications Standard (GHS – Globally Harmonized System of Classification and Labeling). The requirements for the labeling and warnings of consumer products may differ from those required for GHS based hazard communication.

SECTION 2. HAZARDS IDENTIFICATION

Emergency Overview

Appearance	Liquid
Color	Yellowish/Green
Odor	Pleasant

GHS Classification

Acute Toxicity (oral) : Category 4
Eye irritation : Category 2A
Carcinogenicity : Category 2
Specific target organ toxicity – single exposure : Category 3 (Respiratory system)

SAFETY DATA SHEET

ASTRO

VERSION 2.1



REVISION DATE 05/24/2016

GHS Label Element

Hazard Pictograms



Signal word

: **Warning**

Precautionary Statements

: **Prevention:**
P102 Keep out of reach of children.
P103 Read label before use.
P201 Obtain special instructions before use.
P202 Do not handle until all safety precautions have been read and understood.
P261 Avoid breathing dust / fume / gas / mist / vapors / spray.
P264 Wash skin thoroughly after handling.
P270 Do not eat, drink or smoke when using this product.
P271 Use only outdoors or in a well ventilated area.
P280 Wear eye protection / face protection.
P281 Use personal protective equipment as required.
Response:
P301 + P312 + P330 IF SWALLOWED: call a POISON CENTER or doctor / physician if you feel unwell. Rinse mouth.
P304 + P340 + P312 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor / physician if you feel unwell.
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P308 + P313 IF exposed or concerned: Get medical advice / attention.
P337 + P313 If eye irritation persists: Get medical advice / attention.
Storage:
P403 + P233 Store in a well-ventilated place. Keep container tightly closed.

SAFETY DATA SHEET

ASTRO

VERSION 2.1



REVISION DATE 05/24/2016

P405 Store locked up.

Disposal:

Dispose of contents/container in accordance with local regulation.

Potential Health Effects

Carcinogenicity:

IARC	No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
ACGIH	No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.
OSHA	No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.
NTP	No component of this product present at levels greater than or equal to 0.1% is identified as a known carcinogen or anticipated carcinogen by NTP.

SECTION 3. COMPOSITION / INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

Hazardous Components

Chemical Name	CAS-No.	Concentration [%]
Sodium Hydroxide	1310-73-2	*
Butoxyethanol	111-76-2	*

*Exact concentrations withheld as trade secret

SECTION 4. FIRST AID MEASURES

General advice	: Do not leave the victim unattended
If inhaled	: If unconscious, place in recovery position and seek medical advice. If systems persist, call a physician
In case of skin contact	: Take off contaminated clothing and shoes immediately. Get medical attention if irritation develops and persists.

- Wash off immediately with plenty of water for at least 15 minutes.
- In case of eye contact** : Remove contact lenses.
Protect unharmed eye.
If eye irritation persists, consult a specialist.
- If swallowed** : Keep respiratory tract clear.
Never give anything by mouth to an unconscious person.
If symptoms persist, call a physician.

SECTION 5. FIREFIGHTING MEASURES

- Suitable extinguishing media** : Dry chemical
Water spray jet
Carbon dioxide (CO₂)
Alcohol-resistant foam
- Unsuitable extinguishing media** : High volume water jet
- Specific hazards during firefighting** : Do not allow run-off from fire fighting to enter drains or water courses
- Hazardous combustion products** : Carbon dioxide (CO₂)
Carbon monoxide
Smoke
- Specific extinguishing methods** : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
- Further information** : Collect contaminated fire extinguishing water separately. This must not be discharged into drains.
Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.
- Special protective equipment for firefighters** : Wear self-contained breathing apparatus for firefighting if necessary.

SECTION 6. ACCIDENTAL RELEASE MEASURES

- Personal precautions, protective equipment and emergency procedures** : Use personal protective equipment.
Ensure adequate ventilation.
Refer to protective measures listed in sections 7 and 8.

 - Environmental precautions** : Prevent further leakage or spillage if safe to do so.
Prevent product from entering drains.
If the product contaminates rivers and lakes or drains inform respective authorities.

 - Methods and materials for containment and cleaning up** : Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).
Sweep up or vacuum up spillage and collect in suitable container for disposal.
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SECTION 7. HANDLING AND STORAGE

- Advice on safe handling** : For personal protection see section 8.
Smoking, eating and drinking should be prohibited in the application area.
Avoid contact with skin and eyes.
Avoid exposure – obtain special instructions before use.

 - Conditions for safe storage** : Electrical installations / working materials must comply with the technological safety standards.

 - Materials to avoid** : Keep away from oxidizing agents and strongly acid or alkaline materials.
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SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Components with workplace control parameters

Contains no substances with occupational exposure limit values.

SAFETY DATA SHEET

ASTRO

VERSION 2.1



REVISION DATE 05/24/2016

Personal protective equipment

- Respiratory protection** : In the case of vapor formation use a respirator with an approved filter.
- Hand protection remarks** : The suitability for a specific workplace should be discussed with the producers of the protective gloves.
- Eye protection** : Safety glasses
Ensure that eyewash stations and safety showers are close to the workstation location.
- Skin and body protection** : Impervious clothing
Choose body protection according to the amount and concentration of the dangerous substance at the work place.
- Hygiene measures** : When using do not eat, drink or smoke.
When using do not smoke.
Wash hands before breaks and at the end of the work day.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

- Appearance** : liquid
- Color** : yellow
- Odor** : pleasant scent
- Odor Threshold** : No data available
- pH** : 8.5-9.5
- Melting point/freezing point** : No data available
- Boiling point** : 100 °C (212 °F)
- Flash point** : No data available
- Evaporation rate** : Negligible
- Upper explosion limit** : No data available
- Lower explosion limit** : No data available

Vapor pressure	: No data available
Relative vapor density	: No data available
Density	: No data available
Solubility(ies) Water Solubility	: Complete
Solubility in other solvents	: Not determined
Partition coefficient: n- octanol/water	: No data available
Auto-ignition temperature	: Not determined
Thermal decomposition	: No data available
Viscosity Viscosity, kinematic	: No data available

SECTION 10. STABILITY AND REACTIVITY

Reactivity	: Stable
Chemical stability	: Stable under normal conditions
Possibility of hazardous reactions	: Vapors may form explosive mixture with air. No decomposition if used as directed.
Conditions to avoid	: No data available
Incompatible materials	: Oxidizing agents, metals and acids.
Hazardous decomposition products	: Carbon oxides

SECTION 11. TOXICOLOGICAL INFORMATION

Acute toxicity	
<u>Product:</u>	
Acute oral toxicity	: No data available

SAFETY DATA SHEET

ASTRO

VERSION 2.1



REVISION DATE 05/24/2016

Skin corrosion/irritation

Product:

Remarks: May cause skin irritation and/or dermatitis.

Serious eye damage / eye irritation

Product:

Remarks: Vapors may cause irritation to the eyes, respiratory system and the skin.

Respiratory or skin sensitization

No data available

Germ cell mutagenicity

No data available

Carcinogenicity

No data available

Reproductive toxicity

No data available

Alcohols, C10-14, ethoxylated:

STOT- Single exposure

No data available

STOT- repeated exposure

No data available

Aspiration toxicity

No data available

Further information

Product:

Remarks: no data available

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

No data available

Aquatic Toxicity

Practically Non-toxic

Bioaccumulative potential

Product:

Partition coefficient: n-octanol/water : Remarks: no data available

Mobility in soil

No data available

Product:

Regulation : 40 CFR Protection of Environment; Part 82 Protection of Stratospheric Ozone – CAA Section 602 Class I Substances

Remarks : This product neither contrains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, kSubpt. A, App. A + B).

Additional ecological information : No data available

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods

Waste from residues : Dispose of in accordance with local regulations. Do not contaminate ponds, waterways or ditches with chemical or used container. Do not dispose of waste into water

Contaminated packaging : Empty containers should be taken to an approved waste handling site for recycling or disposal. Dispose of as unused product. Do not re-use empty containers.

SECTION 14. TRANSPORT INFORMATION

Transportation Regulation: 49 CFR (USA):
NOT REGULATED AS DANGEROUS GOODS OR HAZARDOUS MATERIAL

Transportation Regulation: IMDG (Vessel):
NOT REGULATED AS DANGEROUS GOODS OR HAZARDOUS MATERIAL

Transportation Regulation: IATA (Cargo Air):
 NOT REGULATED AS DANGEROUS GOODS OR HAZARDOUS MATERIAL

Transportation Regulation: IATA (Passenger Air):
 NOT REGULATED AS DANGEROUS GOODS OR HAZARDOUS MATERIAL

Transportation Regulation: TDG (Canada):
 NOT REGULATED AS DANGEROUS GOODS OR HAZARDOUS MATERIAL

SECTION 15. REGULATORY INFORMATION

EPCRA – Emergency Planning and Community Right-to-Know Act

CERCLA Reportable Quantity

No CERCLA Hazards

SARA 304 Extremely Hazardous Substances Reportable Quantity

This material does not contain any components with a section 304 EHS RQ.

SARA 311/312 Hazards : No SARA Hazards

SARA 302 : SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 : SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313

California Prop 65 : This product does not contain any chemicals known to the State of California to cause cancer, birth defects, or any other reproductive harm.

The components of this product are reported in the following inventories:

TSCA	On TSCA Inventory
DSL	This product contains one or several components that are not on the Canadian DSL or NDSL.
AICS	Not in compliance with the inventory
NZIoC	Not in compliance with the inventory

SAFETY DATA SHEET
ASTRO

VERSION 2.1



REVISION DATE 05/24/2016

PICCS	Not in compliance with the inventory
IECSC	Not in compliance with the inventory

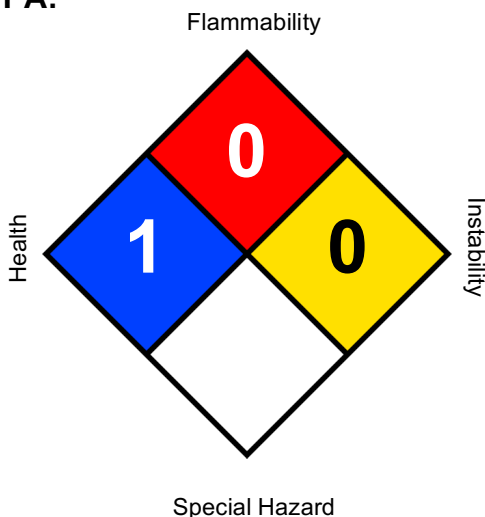
Inventory Acronym and Validity Area Legend:

AICS (Australia), DSL (Canada), IESCS (China), REACH (European Union), ENCS (Japan), ISHL (Japan), KECI (Korea), NZIoC (New Zealand), PICCS (Philippines), TSCA (USA)

SECTION 16. OTHER INFORMATION

Further information

NFPA:



HMIS III:

HEALTH	1
FLAMMABILITY	0
PHYSICAL HAZARD	0

0 = not significant, 1= slight
2= moderate, 3 = high
4= extreme, * = chronic

OSHA GHS Label Information:

Hazard Pictograms :



Signal Word :

Warning:
Harmful if swallowed. Causes serious eye irritation.
May cause respiratory irritation. Suspected of causing cancer (State of California).

Precautionary Statements :

Prevention:

Keep out of reach of children. Read label before use. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Avoid breathing dust / fume / gas / mist / vapors / spray. Wash skin thoroughly after handling. Do not eat, drink or smoke when using this product. Use only outdoors or in a well ventilated area. Wear eye protection / face protection. Use personal protective equipment as required.

Response: IF SWALLOWED: call a POISON CENTER or doctor / physician if you feel unwell. Rinse mouth. IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor / physician if you feel unwell. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. IF exposed or concerned: Get medical advice / attention. If eye irritation persists: Get medical advice / attention.

Storage: Store in a well-ventilated place. Keep container tightly closed. Store locked up.

Disposal: Dispose of contents/container in accordance with local regulation.

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