

MATERIAL SAFETY DATA SHEET

Rating Scale:

HMISNFPA

DYNAMIC RESEARCH CO., INC.
4800 SW MEADOWS Ste 300
LAKE OSWEGO, OR 97035

0 = Insignificant
1 = Slight
2 = Moderate
3 = High
4 = Extreme

1 HEALTH
0 FLAMMABILITY
0 REACTIVE
None OTHER

1
0
0
None

SECTION I - PRODUCT IDENTIFICATION

PRODUCT NAME OR NUMBER (As it appears on label)

Dynamic **QUICK Tire and Wheel Cleaner**

EMERGENCY INFORMATION: (24-HOUR MEDICAL EMERGENCY) 1-503-494-8616
(GENERAL INFORMATION) 1-503-699-1335

CHEMICAL OR COMMON NAME: Tire and Wheel Cleaner

DATE ISSUED: 02-01-2010 SUPERSEDES: 04-15-2008

SECTION II - INGREDIENT INFORMATION

CAS #	WT. %	CHEMICAL NAMES	EXPOSURE LIMIT
Proprietary	1 - 10	Surfactants	N.A.
497-19-8	1 - 45	Soda Ash	N.A.
77092-9	1 - 45	Citric acid	N.A.
34590-94-8	1 - 10	Dipropylene glycol monomethyl ether	100 ppm **
13870-28-5	1 - 45	Sodium silicate	N.A.

Balance are non-hazardous ingredients.

*ACGIH TLV-TWA

** OSHA PEL

***Supplier supplied

There are no ingredients in this product that are currently reportable in either SARA Title III: Section 313, 40 CFR part 372.

SECTION III - FIRE AND EXPLOSION INFORMATION

FLASH POINT: None (ASTM D92) FLAMMABLE LIMITS: LOWER: NA UPPER: NA

EXTINGUISHING MEDIA: FOAM CO2 DRY CHEMICAL WATER FOG OTHER

SPECIAL FIRE FIGHTING PROCEDURES: Normal fire fighting procedures may be used.

Use extinguishing media appropriate for surrounding fire.

Products of combustion carbon dioxide(CO2) and carbon monoxide (CO)

UNUSUAL FIRE AND EXPLOSION HAZARDS: No special hazards known. Heat of fire may melt containers.

SECTION IV - HEALTH HAZARD INFORMATION

SIGNS AND SYMPTOMS:

Direct contact with skin and eyes can cause irritation. Prolonged or repeated contact with **skin and eye** may cause redness or burns. **Inhalation** may cause some individuals to cough or cause irritation of nose, throat, & lungs. **Harmful if swallowed**; may cause irritation or damage to mouth, throat or stomach.

PRIMARY ROUTES OF ENTRY: EYES: SKIN: INGESTION: INHALATION:

EMERGENCY FIRST AID PROCEDURES - **EYE OR SKIN**: Immediately flush with water for at least 15 minutes, remove contact lenses. If pain, irritation or redness persists, seek medical aid. **If SWALLOWED**, give conscious victim large amounts of water. Do not induce vomiting. Seek medical aid. **INHALATION**: Remove to fresh air immediately. Seek medical attention if breathing difficulty persists.

SECTION V - REACTIVITY INFORMATIONSTABILITY: STABLE X UNSTABLE CONDITIONS TO AVOID NAINCOMPATIBILITY (MATERIALS TO AVOID): Reacts with acids releasing carbon dioxide (CO₂). Do not mix with other chemicals or cleaners.

HAZARDOUS DECOMPOSITION PRODUCTS: None known

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR X**SECTION VI - HANDLING, STORAGE AND ACCIDENTAL RELEASE**

HANDLING & STORAGE INFORMATION: Keep out of reach of children. Keep and store in a cool dry place with adequate ventilation. Do not store near heat or flame (containers may melt). Keep from freezing (containers may rupture). Wash thoroughly after handling product. Empty containers may contain small amounts of product. Be certain to dispose according to all regulations.

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Absorb with diluted product with diatomaceous earth or similar inert material. Sweep or scrape dry material and containerize. Rinse affected area thoroughly with water. Wear/use appropriate protective equipment. Follow all Federal, State and Local regulations.

SECTION VII - PERSONAL PROTECTION INFORMATION

RESPIRATORY PROTECTION: No special requirements under normal use conditions.

VENTILATION: No special requirement

PROTECTIVE GLOVES: Use PVC, rubber or other chemical resistant gloves.

EYE PROTECTION: No special requirement under normal use. Use safety goggles if potential for splashing exists.

OTHER PROTECTIVE MEASURES: Use good personal hygiene practices. Launder contaminated equipment before reuse.

SECTION VIII - PHYSICAL DATA

BOILING POINT	ND	DENSITY AT 20° C	53.3 lb/ft ³
MELTING POINT	ND	PERCENT VOLATILE BY VOLUME	4 %
SOLUBILITY IN WATER	Complete	VAPOR PRESSURE (mm Hg)	NA
pH 1% solution	10.9	EVAPORATION RATE (Butyl Ac = 100)	NA
pH Concentrate	ND	APPEARANCE & ODOR	White powder, mild odor

SECTION IX - DISPOSAL CONSIDERATIONS

WASTE DISPOSAL INFORMATION: No special method. Observe all applicable Federal, State and Local regulations, rules and /or ordinances regarding disposal of non-hazardous materials.

SECTION X - DOT AND TRANSPORTATION INFORMATION

DOT CLASS:	Non-hazardous	Class 55	DOT#: NA
SHIPPING NAME:	Cleaning, Scouring or Washing Compounds		
SPECIAL INFORMATION:	Not regulated as a hazardous material by DOT or IMO.		

SECTION XI - REGULATORY AND ECOLOGICAL INFORMATION

PHOSPHATE CONTENT:	0% as P
ARE ALL THE ORGANIC INGREDIENTS IN THIS PRODUCT BIODEGRADABLE?:	Yes
ARE ALL THE INGREDIENTS IN THIS PRODUCT LISTED ON THE TSCA LISTS?	Yes
INGREDIENTS LISTED AS CARCINOGENS ON NTP, IARC, OR OSHA LISTS?	No

ABBREVIATIONS: NA = Not Applicable NSR = No Special Requirement ND = Not Determined

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