



MATERIAL SAFETY DATA SHEET ADVANTAGE

SECTION 1 – CHEMICAL PRODUCT & COMPANY IDENTIFICATION

PRODUCT NAME: Advantage
GENERAL/GENERIC NAME:
PRODUCT USE: Laundry Grease & Oil Emulsifier
EFFECTIVE DATE: AUGUST 21, 2014
VENDOR NAME AND ADDRESS: Alpine Specialty Chemicals Ltd.
9 City View Drive, Etobicoke, Ontario M9W 5A5
24 HOUR EMERGENCY NO. 613-996-6666

SECTION 2 – COMPOSITION / INFORMATION INGREDIENTS

INGREDIENT	%W/W	CAS NO.	TLV	LD50/LC50
Nitrilotiacetic acid, trisodium salt	5 - 12	139-13-9	ND	ND
Ethoxylated fatty alcohol	10 – 20	9002-92-0	ND	ND
Triethanolamine	1-5	102-71-6	ND	ND
Dipropylene glycol methyl ether	1-3	34590-94-8	ND	ND

SECTION 3 – HAZARDS IDENTIFICATION

Route of Entry:

Skin Contact: May cause irritation.

Eye Contact: May cause transient irritation.

Inhalation: Mist may cause irritation of the respiratory tract.

Ingestion: May cause irritation to digestive tract.

Effects of Acute Exposure: (see section 11 for Toxicological information).

SECTION 4 – FIRST AID

Eyes: Flush with running water for at least 15 minutes while holding eyelids open. Get medical attention.

Skin Contact: Flush contaminated skin with plenty of soap and water. Remove contaminated clothing. Launder contaminated clothing thoroughly before re-use.

Inhalation: Remove victim to fresh air. Aid in breathing if necessary. If breathing stops, administer artificial respiration. Seek medical attention. Effects may be delayed for a few hours and aggravated by physical exertion.

Ingestion: Give plenty of water to drink to dilute stomach contents. **Do not induce vomiting.** Seek immediate medical attention.

Note to Physician: Risk of temporary irritation if splashed into eyes.

SECTION 5 – FIRE FIGHTING MEASURES

PRODUCT IS: Non-flammable
FLASH POINT: NA
FLAMMABLE LIMITS: NA
AUTO-IGNITION TEMP: NA
DEGRADATION PRODUCTS: NA
EXTINGUISHING MEDIA: Use dry chemicals, CO₂, water spray or foam.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Leak/Spill: Contain spill. Absorb with an inert dry material and place in an appropriate waste disposal container.

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SECTION 7 – HANDLING AND STORAGE

Handling Procedures: Avoid all skin contact. Ventilate adequately, otherwise wear an appropriate breathing apparatus. Avoid contact with eyes, skin or clothing. . Keep container closed when not in use.

Storage Procedures: Keep from freezing. Keep containers closed when not in use.

SECTION 8 – EXPOSURE CONTROLS

Engineering Controls: Use process enclosures, or local exhaust ventilation to keep airborne levels below recommended exposure limits. Emergency shower should be in close proximity. Eye wash facility should be close in proximity.

RESPIRATORY PROTECTION:

VENTILATION: General ventilation adequate.

PROTECTIVE GLOVES: Gloves, impervious

EYE PROTECTION: Safety glasses

OTHER PROTECTIVE MEASURES: Apron and boots recommended under exceptional circumstances such as spill or for prolonged contact with bulk quantities.

SECTION 9 – PHYSICAL PROPERTIES

PHYSICAL STATE: Liquid
APPEARANCE AND ODOUR: Perfumed, straw color liquid
SPECIFIC GRAVITY: 1.08 to 1.095 (water=1)
VAPOUR PRESSURE: The highest known value is 2.3 kpa (17.2 mg/Hg at 20°C) (Water)
Weighted average: 1.87 kPa (14.03 mm/Hg at 20°C)
VAPOUR DENSITY: Weighted average: 1.58 (air=1)
PH: Concentrate 10.5 – 11.0
BOILING POINT: Weighted average 117.85°C (244.1°F)
WATER SOLUBILITY: Easy soluble in cold or hot water,

SECTION 10 – STABILITY AND REACTIVITY

STABILITY: Product is stable
DECOMPOSITION PRODUCTS: See fire degradation products.
REACTIVITY: Reactive with oxidizing agents, acids. Non-reactive metals

SECTION 11 – TOXICOLOGICAL INFORMATION

ROUTE OF ENTRY: Ingestion. Skin contact. Eye contact. Inhalation.
TOXICITY FOR ANIMALS: Not Available
ACUTE EFFECTS: May cause eye and skin irritation.
CHRONIC EFFECTS: Prolonged exposure may cause skin and eye irritation.
CARCINOGENIC EFFECTS: Not Available
MUTAGENIC EFFECTS: Not Available
TERATOGENIC EFFECTS: Not Available
DEVELOPMENTAL TOXICITY: Not Available

SECTION 12 – ECOLOGICAL CONSIDERATION

No permanent effects on ecosystems.

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SECTION 13 – DISPOSAL CONSIDERATIONS

Waste Disposal: In accordance with federal, provincial or local government requirements.

SECTION 14 – TRANSPORT INFORMATION

TDG HAZARD CLASSIFICATION: Not a TDG controlled material

SECTION 15 – REGULATORY INFORMATION

WHMIS CLASSIFICATION: D2B

SECTION 16 – OTHER INFORMATION

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