


SAFETY DATA SHEET

SECTION 1: Identification of the substance/mixture and of the company/undertaking

 <p style="text-align: center;">[1D]</p> <p style="text-align: center;">11839 Sorrento Valley Road Suite 901 San Diego, CA 92121 phone 858-350-9474 fax 858-350-9422 Email: support@aculon.com www.aculon.com</p>	<p style="text-align: center;">Emergency Telephone Number ^[1E]</p> <p style="text-align: center;">Chemtrec CCN696855 1-800-424-9300 (US/Canada) +1-703-527-3887 (International)</p> <p style="text-align: center;">Revision Date: 07/09/15</p>
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[1a,b 1.1] PRODUCT IDENTIFIERS/ TRADE NAME(s)	Aculon NanoClear® Primer	[1c 1.2] RELEVANT IDENTIFIED USES OF THE SUBSTANCE OR MIXTURE AND USES ADVISED AGAINST	Chemical Mixture Coating Primer
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SECTION 2: Hazards identification

^[2A] **GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)**

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

H315 Causes skin irritation (Category 2)

H319 Causes serious eye damage (Category 2A)

2.2 Label elements Labelling according Regulation (EC) No 1272/2008

^[2B] **LABELING ELEMENTS, Hazard, and Precautionary Statements**

Signal word: Warning **Pictogram(s):**



Hazard statement(s):

H315 Causes skin irritation

H319 Causes serious eye damage

Precautionary statement(s)

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P302 + P352 IF ON SKIN: wash with plenty of soap and water.

P332 + P313 IF SKIN irritation occurs: Get medical advice/attention.

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337 + P313 IF eye irritation persists: Get medical advice/attention.

[2C] **HAZARDS NOT OTHERWISE CLASSIFIED:** none known

[2D] **INGREDIENTS OF UNKNOWN ACUTE TOXICITY >/= 1%:**

SECTION 3: Composition/information on ingredients

[3a, b, d] CHEMICAL NAME/SYNONYMS	[3C] CAS NUMBER	EINECS NO.	CONC.*
Water	7732-18-5		85 - 95%
Pentasodium triphosphate	7758-29-4		5%
Borax	1330-43-4		3%
Sodium polynaphthalenesulfonate	9084-06-4		3%

* The specific chemical identity and/or percentage of this material has been withheld as a trade secret.

SECTION 4: First aid measures

[4a] INHALATION	If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
[4a] SKIN CONTACT	Immediately flush skin with plenty of water (using soap, if available). If symptoms develop and persist, get medical attention.
[4a] EYE CONTACT	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
[4a] INGESTION	Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.
[4b] MOST IMPORTANT SYMPTOMS & EFFECTS	The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11
[4c] INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED	Treat symptomatically and supportively.

SECTION 5: Firefighting measures

[5a] SUITABLE/ UNSUITABLE EXTINGUISHING MEDIA	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
[5b] SPECIFIC HAZARDS IE HAZARDOUS COMBUSTION PRODUCTS	This product is an aqueous mixture which will not burn. If evaporated to dryness, the solid residue may pose a moderate fire hazard. Upon decomposition, product emits acrid, dense smoke with carbon dioxide, carbon monoxide, trace oxides of sulfur, and other low molecular weight hydrocarbons. Formaldehyde
[5c] PRECAUTIONS / SPECIAL PROTECTIVE EQUIPMENT	Wear self contained breathing apparatus for fire fighting if necessary.

SECTION 6: Accidental release measures

^[6a] PERSON PRECAUTIONS, PPE, EMERGENCY PROCEDURES	Wear suitable protective clothing, gloves and eye/face protection.
^[6a] METHODS & MATERIALS OF CONTAINMENT & CLEANING	Contain spillage, wipe up any spilled material and place in container for disposal according to local regulations. Prevent material from entering storm sewers or waterways.

SECTION 7: Handling and storage

^[7a] PRECAUTIONS FOR SAFE HANDLING	Avoid contact with skin and eyes.
^[7b] CONDITIONS FOR SAFE STORAGE	Keep container tightly closed and in a cool, well-ventilated place away from incompatible materials. Manufacturer recommends storing above 4.4 °C (40 °F).

SECTION 8: Exposure controls/personal protection

^[8a] COMPONENT	PEL/ TWA/ STEL	CONTROL PARAMETER S	BASIS (ACGIH, OSHA ETC)	NOTES
Borax	TWA	2 mg/m3 Inhalable fraction	ACGIH TLV	
Borax	STEL	6 mg/m3 Inhalable fraction	ACGIH TLV	

^[8b] VENTILATION / ENGINEERING CONTROLS	Facilities storing or utilizing this material should be equipped with an eyewash and hand washing facilities. Use adequate general or local exhaust ventilation to keep airborne concentrations below the permissible exposure limits.
^[8c] RESPIRATORY PROTECTION	Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls.
^[8c] SKIN PROTECTION	Wear appropriate protective gloves to prevent skin exposure. Material: Nitrile rubber Minimum layer thickness: 0.4 mm
^[8c] EYE PROTECTION	Wear appropriate protective eyeglasses. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).
^[8c] CLOTHING	Wear appropriate protective clothing to prevent skin exposure.

SECTION 9: Physical and chemical properties

[9a] Appearance (physical state, color, etc.	Solid wipe containing priming solution	[9j] Upper/lower flammability or explosive limits:	no data available
[9b] Odor	bland	[9k] Vapor pressure	43.2 hPa (32.4 mmHg) at 20.0 °C (68.0 °F) 58.7 hPa (44.0 mmHg) at 25.0 °C (77.0 °F)
[9c] Odor threshold	no data available	[9l] Vapor density	no data available
[9d] pH	no data available	[9m] Relative Density	no data available
[9e] Melting point/freezing point	no data available	[9n] Solubility (in H₂O)	miscible
[9f] Initial boiling point and boiling range	no data available	[9o] Partition coefficient: n-octanol/water	no data available
[9g] Flash point	no data available	[9p] Auto-ignition temperature	no data available
[9h] Evaporation rate	no data available	[9q] Decomposition temperature	no data available
[9i] Flammability (solid, gas)	no data available	[9r] Viscosity	no data available

SECTION 10: Stability and reactivity

[10a] REACTIVITY	This product may react with strong oxidizing agents.
[10b] CHEMICAL STABILITY	Stable under recommended storage conditions..
[10c] POSSIBILITIES OF HAZARDOUS REACTIONS	Will not occur
[10d] CONDITIONS TO AVOID	Ignition sources, excess heat, incompatible materials
[10e] INCOMPATIBLE MATERIALS	This product may react with strong oxidizing agents.
[10f] HAZARDOUS DECOMPOSITION PRODUCTS	Other decomposition products - no data available In the event of fire: see section 5

SECTION 11: Toxicological information

[11a] LIKELY ROUTES OF EXPOSURE	<p>INHALATION: is not expected if proper ventilation or personal protective equipment is used while working with this product</p> <p>INGESTION: Ingestion is not expected if proper industrial hygiene practices are followed, including no eating, drinking, or smoking while working with chemicals</p> <p>SKIN: is not expected if proper personal protective equipment (gloves and protective clothing) is used while working with this product</p> <p>EYE CONTACT: is not expected if proper personal protective equipment (safety glasses or goggles) is used while working with this product</p>
[11b] SYMPTOMS RELATED TO PHYSICAL,	<p>INHALATION: may be irritating to the respiratory system</p> <p>INGESTION: may cause gastrointestinal irritation, nausea, vomiting, diarrhea</p> <p>SKIN: Prolonged and or repeated skin contact with this product may cause irritation/dermatitis.</p>

CHEMICAL & TOXIC CHARACTERISTICS	EYE CONTACT: The primer may be severely irritating to the eyes.
^[11d] DELAYED / IMMEDIATE EFFECTS, CHRONIC EFFECTS FROM SHORT/LONG TERM EXPOSURE	Reproductive toxicity: no data available Specific target organ toxicity - single exposure: Irritation to the skin. Specific target organ toxicity - repeated exposure: To skin causes irritation Aspiration hazard: no data available
^[11D] NUMERICAL MEASURES OF TOXICITY	ACUTE TOXICITY ESTIMATES: none known Acute toxicity (BORAX) LD50 Oral - rat - 2660 mg/kg LC50 Inhalation - rat - 4 h - 0.002 mg/l LD50 Dermal - rabbit - 1055 mg/kg
^[11e] CARCINOGENICITY	Carcinogenicity: IARC: - No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by IARC. NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP. 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.

SECTION 12: Ecological information

^[12a] ECOTOXICITY	Toxicity to fish LC50 - No data available Toxicity to daphnia and other aquatic invertebrates: No data available Toxicity to algae EC50 - No data available
^[12b] PERSISTENCE AND DEGRADABILITY	No data available
^[12c] BIOACCUMULATIVE POTENTIAL	No data available
^[12d] MOBILITY IN SOIL	No data available
^[12e] OTHER ADVERSE EFFECTS (OZONE LAYER ETC.)	No data available

SECTION 13: Disposal considerations

^[13] Dispose of in accordance to Federal, state and local governmental regulations. This primer contains phosphates. Contaminated Packaging Disposal: Dispose of in accordance to Federal, state and local governmental regulations. This primer contains phosphates.
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SECTION 14: Transport information

[14a] UN/NA	[14b] UN/NA PROPER SHIPPING NAME	[14ca] TRANSPORT HAZARD CLASS	[14d] PACKING GROUP
none	not regulated	none	none

US DOT/IATA	Non Hazardous and Not restricted for transport
[14d] ENVIRONMENTAL HAZARDS	Marine Pollutant: no
[14f] BULK TRANSPORT (MARPOL 73/78/IBC CODE)	IMDG: Non Hazardous and Not restricted for transport
[14g] SPECIAL PRECAUTIONS	none known

SECTION 15: Regulatory information

EU

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture	No data available
15.2 Chemical Safety Assessment	For this product a chemical safety assessment was not carried out

US

TSCA	The components in this mixture are listed on the US inventory.
OSHA	This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard.
SARA SECTION 302 EXTREMELY HAZARDOUS SUBSTANCES	No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.
The following components are subject to reporting levels established by SARA Title III, Section 313	none
Sara 311/312 Hazards	Acute Health Hazard,
Massachusetts Right To Know Components	1330-43-4 BORON SODIUM OXIDE 7758-29-4 * SODIUM PHOSPHATE, TRIBASIC
Pennsylvania Right To Know Components	1330-43-4 BORON SODIUM OXIDE (B4NA2O7) 7758-29-4 TRIPHOSPHORIC ACID, PENTASODIUM SALT
New Jersey Right To Know Components	none
California Prop. 65 Components	This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.
REACH SVHC chemicals > 0.1%	4-Nonylphenol, branched and linear, ethoxylated
Potential SVHC chemicals >0.1% that could be present	Boric acid (CAS No.: 10043, 11113-50-1) Disodium tetraborate, anhydrous (CAS No.: 1303-96-4, 1330-43-4, 12179-04-3) Diboron trioxide (CAS No. : 1303-86-2) Sodium perborate; perboric acid, sodium salt Sodium peroxometaborate (CAS no.: 7632-04-4)

SECTION 16: Other information

Revision Date: 07/09/15

07/09/15 Updated Section headings, added Full text of H-Statements to section 16

Full text of H-Statements referred to under sections 2 and 3.

H315 Causes skin irritation

H319 Causes serious eye damage

INFORMATION CONTAINED IN THIS SAFETY DATA SHEET IS FOR USE BY TECHNICALLY QUALIFIED PERSONNEL AT THEIR DISCRETION AND RISK. ALL STATEMENTS, TECHNICAL INFORMATION AND RECOMMENDATIONS CONTAINED HEREIN ARE BASED ON TESTS AND DATA WHICH WE BELIEVE TO BE RELIABLE, BUT THE ACCURACY OR COMPLETENESS THEREOF IS NOT GUARANTEED AND NO WARRANTY OF ANY KIND IS MADE WITH RESPECT THERETO. SINCE THE COMPANY SHALL HAVE NO CONTROL OF THE USE OF THE PRODUCT DESCRIBED HEREIN, THE COMPANY ASSUMES NO LIABILITY OF LOSS OR DAMAGE INCURRED FROM THE PROPER OR IMPROPER USE OF SUCH PRODUCT.

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