

## SAFETY DATA SHEET

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

[fa,b 1.1] <b>PRODUCT IDENTIFIERS/ TRADE NAME(s)</b>	<b>Aculon® Balance Weight Promoter</b>	[1c 1.2] <b>RELEVANT IDENTIFIED USES OF THE SUBSTANCE OR MIXTURE AND USES ADVISED AGAINST</b>	<b>IPA Mixture for use as a cleaner and adhesion promoter</b>
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1.3 Details of the supplier of the safety data sheet



10110 Sorrento Valley Road,  
San Diego, CA 92121  
phone 858-350-9474  
fax 858-350-9422  
Email: [support@aculon.com](mailto:support@aculon.com)  
[www.aculon.com](http://www.aculon.com)

1.4 Emergency telephone number

### Emergency Telephone Number <sup>[1E]</sup>

**CHEMTEL CHEMICAL**  
DOMESTIC NORTH AMERICA: **1-800-255-3924**  
INTERNATIONAL CALLERS OUTSIDE THE US  
TERRITORIES AND CANADA: **+1-813-248-0585**

Revision Date: 12/23/2019

### SECTION 2: Hazards identification

<sup>[2A]</sup> **Classification according to Regulation (EC) No 1272/2008**

**2.1 Classification of the substance or mixture**

Flammable liquids (Category 2), H225

Eye irritation (Category 2), H319

Specific target organ toxicity - single exposure (Category 3), Central nervous system, H336

For the full text of the H-Statements mentioned in this Section, see Section 16.

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

<sup>[2B]</sup> **LABELING ELEMENTS, Hazard, and Precautionary Statements**

**Signal word: Danger**

**Pictogram(s):**



**Hazard statement(s):**

H225 Highly flammable liquid and vapour.

H319 Causes serious eye irritation.

H336 May cause drowsiness or dizziness.

**Precautionary statement(s)**

P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

P261 Avoid breathing vapours.

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present

and easy to do. Continue rinsing.  
Supplemental Hazard Statements: none

[2C] **2.3 OTHER HAZARDS NOT OTHERWISE CLASSIFIED:** This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

[2D] **INGREDIENTS OF UNKNOWN ACUTE TOXICITY >= 1%:** none

### SECTION 3: Composition/information on ingredients

#### 3.2 Hazardous ingredients according to Regulation (EC) No 1272/2008 and 29 CFR 1910 (OSHA HCS)

Component	Classification	Concentration
<b>2-Propanol;</b> sec-Propyl alcohol; Isopropyl alcohol; Isopropanol formula: $(\text{CH}_3)_2\text{CHOH}$ Mol wt.: 60.10		
CAS-No. 67-63-0 EC-No.200-661-7 Index-No.603-117-00-0 Reach: 01-2119457558-25-xxxx	Flam. Liq. 2; Eye Irrit. 2; STOT SE 3; H225, H319, H336	99%
<b>Proprietary Ingredient</b>		
CAS-No. Proprietary EC-No. Index-No. Reach:	Flam. Liq. 2; Eye Irrit. 2; H225	<1%

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

### SECTION 4: First aid measures

#### 4.1 Description of first aid measures

<b>General advice</b>	Consult a physician. Show this safety data sheet to the doctor in attendance.
[4a] <b>INHALATION</b>	If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
[4a] <b>SKIN CONTACT</b>	Wash off with soap and plenty of water. Consult a physician.
[4a] <b>EYE CONTACT</b>	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
[4a] <b>INGESTION</b>	Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.
[4b] <b>4.2 MOST IMPORTANT SYMPTOMS &amp; EFFECTS</b>	The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11
[4c] <b>4.3 INDICATION</b>	no data available

<b>OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED</b>	
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**SECTION 5: Firefighting measures**

<b>[5a] 5.1 Extinguishing Media/SUITABLE/ UNSUITABLE EXTINGUISHING MEDIA</b>	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
<b>[5b] 5.2 SPECIFIC HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE( IE HAZARDOUS COMBUSTION PRODUCTS)</b>	Burning may form Carbon oxides and Hydrogen Chloride gas.. Use water spray to cool unopened containers.
<b>[5c] 5.3 ADVICE FOR FIREFIGHTERS/ PRECAUTIONS / SPECIAL PROTECTIVE EQUIPMENT</b>	Wear self contained breathing apparatus for fire fighting if necessary.
<b>5.4 FURTHER INFORMATION</b>	Use water spray to cool unopened containers.

**SECTION 6: Accidental release measures**

<b>[6a] 6.1 PERSONAL PRECAUTIONS, PPE, EMERGENCY PROCEDURES</b>	Use personal protective equipment. Avoid breathing vapours. Ensure adequate ventilation. Remove all sources of ignition. Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas. For personal protection see section 8.
<b>6.2 Environmental precautions</b>	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
<b>[6a] 6.3 METHODS &amp; MATERIALS FOR CONTAINMENT &amp; CLEANING UP</b>	Contain spillage, wipe up any liquid and place in container for disposal according to local regulations (see section 13).
<b>6.4 REFERENCE TO OTHER SECTIONS</b>	For disposal see section 13.

**SECTION 7: Handling and storage**

<b>[7a] 7.1 PRECAUTIONS</b>	Avoid contact with skin and eyes. Avoid inhalation of vapour. Keep away from sources of ignition -
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<b>FOR SAFE HANDLING</b>	No smoking. Take measures to prevent the buildup of electrostatic charge. For precautions see section 2.2.
<sup>[7b]</sup> <b>7.2 CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES</b>	Store in cool place. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be used immediately before they dry out.
<b>7.3 SPECIFIC END USES</b>	Apart from the uses mentioned in section 1.2 no other specific uses are stipulated

**SECTION 8: Exposure controls/personal protection**

**8.1 CONTROL PARAMETERS: COMPONENTS WITH WORKPLACE CONTROL PARAMETERS**

<sup>[8a]</sup> COMPONENT	CAS#	PEL/ TWA/ STEL	CONTROL PARAMETERS	BASIS (ACGIH, OSHA ETC)
2-Propanol	67-63-0	STEL	500 ppm 1,250 mg/m3	UK. EH40 WEL - Workplace Exposure Limits
		TWA	400 ppm 999 mg/m3	UK. EH40 WEL - Workplace Exposure Limits

<sup>[8b]</sup> <b>8.2 EXPOSURE CONTROLS/ VENTILATION / ENGINEERING CONTROLS</b>	Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.
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**PERSONAL PROTECTIVE EQUIPMENT**

<sup>[8c]</sup> <b>RESPIRATORY PROTECTION</b>	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. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).
<sup>[8c]</sup> <b>SKIN PROTECTION</b>	Handle with gloves. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands. The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it. Full contact Material: Nitrile rubber Minimum layer thickness: 0.4 mm Break through time: 480 min Material tested: Camatril® (KCL 730 / Aldrich Z677442, Size M) If used under conditions which differ from EN 374, contact the supplier of the CE approved gloves. This recommendation is advisory only and must be evaluated by an industrial hygienist and safety officer familiar with the specific situation of anticipated use by our customers. It should not be construed as offering an approval for any specific use scenario.
<sup>[8c]</sup> <b>EYE PROTECTION</b>	Safety glasses. Use equipment for eye protection tested and approved under appropriate

	government standards such as NIOSH (US) or EN 166(EU).
<b>[8c] CLOTHING/BODY PROTECTION</b>	Wear impervious clothing. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.
<b>CONTROL OF ENVIRONMENTAL EXPOSURE</b>	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

### SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties			
<b>[9a] Appearance (physical state, color, etc.)</b>	Liquid, Clear Colorless	<b>[9j] Upper/lower flammability or explosive limits:</b>	Lower: 2% UEL: 12.7%
<b>[9b] Odor</b>	alcohol-like	<b>[9k] Vapor pressure</b>	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)
<b>[9c] Odor threshold</b>	no data available	<b>[9l] Vapor density</b>	no data available
<b>[9d] pH</b>	no data available	<b>[9m] Relative Density</b>	0.785 g/cm <sup>3</sup> at 25 °C (77 °F)
<b>[9e] Melting point/freezing point</b>	-89.5 °C (-129.1 °F) - lit.	<b>[9n] Solubility (in H<sub>2</sub>O)</b>	miscible
<b>[9f] Initial boiling point and boiling range</b>	82 °C (180 °F) - lit.	<b>[9o] Partition coefficient: n-octanol/water</b>	log Pow: 0.05
<b>[9g] Flash point</b>	12.0 °C (53.6 °F) - closed cup	<b>[9p] Auto-ignition temperature</b>	425.0 °C (797.0 °F)
<b>[9h] Evaporation rate</b>	3.0 (BuOAC = 1)	<b>[9q] Decomposition temperature</b>	no data available
<b>[9i] Flammability (solid, gas)</b>	no data available	<b>[9r] Viscosity</b>	no data available
		<b>[9s] Explosive Properties</b>	no data available
		<b>[9t] Oxidizing Properties</b>	no data available
<b>9.2 Other safety information:</b>	No data available		

### SECTION 10: Stability and reactivity

<b>[10a] 10.1 REACTIVITY</b>	no data available
<b>[10b] 10.2 CHEMICAL STABILITY</b>	Stable under recommended storage conditions..
<b>[10c] 10.3 POSSIBILITIES OF HAZARDOUS REACTIONS</b>	none known
<b>[10d] 10.4 CONDITIONS TO AVOID</b>	Ignition sources, excess heat, sparks, incompatible materials
<b>[10e] 10.5 INCOMPATIBLE MATERIALS</b>	Strong oxidizing agents, strong acids. May damage some forms of plastics with prolonged exposure.
<b>[10f] 10.6 HAZARDOUS DECOMPOSITION PRODUCTS</b>	Other decomposition products - no data available In the event of fire: see section 5

### SECTION 11: Toxicological information

<b>11.1 Information On toxicological effects</b>	
<b>[11a] LIKELY ROUTES OF EXPOSURE</b>	<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>
<b>[11b] SYMPTOMS RELATED TO PHYSICAL, CHEMICAL &amp; TOXIC CHARACTERISTICS</b>	<p>INHALATION: May cause drowsiness or dizziness. May be harmful if inhaled.</p> <p>INGESTION: Skin corrosion/irritation: Skin - rabbit; Result: May be harmful if swallowed. Causes burns</p> <p>SKIN: Serious eye damage/eye irritation: Eyes - rabbit; Result: Eye irritation - 24 h; May be harmful if absorbed through skin. May cause burns.</p> <p>EYE CONTACT: Respiratory or skin sensitisation: may cause eye burns.</p>
<b>[11d] DELAYED / IMMEDIATE EFFECTS, CHRONIC EFFECTS FROM SHORT/LONG TERM EXPOSURE</b>	<p><b>Reproductive toxicity:</b> no data available</p> <p><b>Specific target organ toxicity - single exposure:</b> May cause drowsiness or dizziness.</p> <p><b>Specific target organ toxicity - repeated exposure:</b> no data available</p> <p><b>Aspiration hazard:</b> May be harmful if inhaled.</p>
<b>[11D] NUMERICAL MEASURES OF TOXICITY</b>	<p><b>ACUTE TOXICITY ESTIMATES:</b> none known</p> <p><b>Acute toxicity</b></p> <p>LD50 Oral - rat - 5,045 mg/kg</p> <p>Remarks: Behavioral: Altered sleep time (including change in righting reflex).</p> <p>Behavioral: Somnolence (general depressed activity).</p> <p>LC50 Inhalation - rat - 8 h - 16000 ppm</p> <p>LD50 Dermal - rabbit - 12,800 mg/kg</p> <p><b>SKIN CORROSION/IRRITATION</b></p> <p>Skin - Rabbit</p> <p>Result: Mild skin irritation</p> <p><b>Serious eye damage/eye irritation</b></p> <p>Eyes - Rabbit</p> <p>Result: Eye irritation - 24 h</p> <p><b>Respiratory or skin sensitization</b></p> <p>No data available</p> <p><b>Germ cell mutagenicity</b></p> <p>No data available</p>
<b>[11e] CARCINOGENICITY</b>	<p>This product is or contains a component that is not classifiable as to its carcinogenicity based on its IARC, ACGIH, NTP, or EPA classification.</p> <p>IARC: 3 - Group 3: Not classifiable as to its carcinogenicity to humans (2-Propanol)</p>
<b>ADDITIONAL INFORMATION</b>	<p>2-PROPANOL:</p> <p>RTECS: NT8050000</p> <p>Central nervous system depression, prolonged or repeated exposure can cause:, Nausea, Headache, Vomiting, narcosis, Drowsiness, Overexposure may cause mild, reversible liver effects., Aspiration may lead to:, Lung oedema, Pneumonia</p>

	Kidney - Irregularities - Based on Human Evidence
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**SECTION 12: Ecological information**

<sup>[12a]</sup> <b>12.1 ECOTOXICITY</b>	Toxicity to fish LC50 - Pimephales promelas (fathead minnow) - 9,640.00 mg/l - 96 h Toxicity to daphnia and EC50 - Daphnia magna (Water flea) - 5,102.00 mg/l - 24 h other aquatic invertebrates Immobilization EC50 - Daphnia magna (Water flea) - 6,851 mg/l - 24 h Toxicity to algae EC50 - Desmodesmus subspicatus (green algae) - > 2,000.00 mg/l - 72 h EC50 - Algae - > 1,000.00 mg/l - 24 h
<sup>[12b]</sup> <b>12.2 PERSISTENCE AND DEGRADABILITY</b>	No data available
<sup>[12c]</sup> <b>12.3 BIOACCUMULATIVE POTENTIAL</b>	No bioaccumulation is to be expected (log Pow <= 4).
<sup>[12d]</sup> <b>12.4 MOBILITY IN SOIL</b>	No data available
<b>12.5 RESULTS OF PBT AND vPvB ASSESSMENT</b>	This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.
<sup>[12e]</sup> <b>12.6 OTHER ADVERSE EFFECTS (OZONE LAYER ETC.)</b>	No data available

**SECTION 13: Disposal considerations**

<sup>[13]</sup> <b>13.1</b> Contact a licensed professional waste disposal service.
Contaminated Packaging Disposal: Contact a licensed professional waste disposal service.

**SECTION 14: Transport information**

	<b>14.1[a] UN number</b>	<b>14.2[b] UN proper shipping name</b>	<b>14.3[c] Transport hazard class(es)</b>	<b>14.4[d] Packaging group</b>	<b>14.5[e] Environmental hazards</b>
ADR/RID:	UN 1139	Coating Solution	3	II	no
IMDG:	UN 1139	Coating Solution	3	II	no
IATA:	UN 1139	Coating Solution	3	II	no
<b>US DOT</b>	UN 1139	Coating Solution	3	II	not applicable

<sup>[14d]</sup> <b>ENVIRONMENTAL HAZARDS</b>	Marine Pollutant: no
<sup>[14f]</sup> <b>14.7 BULK TRANSPORT (MARPOL 73/78/IBC CODE)</b>	UN 1139, Coating Solution, 3 II
<sup>[14g]</sup> <b>14.6 SPECIAL PRECAUTIONS</b>	none known

**SECTION 15: Regulatory information**

<b>EU</b> This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.	
<b>15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture</b>	No data available
<b>15.2 Chemical Safety Assessment</b>	For this product a chemical safety assessment was not carried out

**SECTION 16: Other information**

Revision Date: version 3.0 12/23/2019 updated address under section 1  
 version 2.0 06/15/2018 updated emergency contact and trademark  
 version 1.0 original issue 07/06/17

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

Eye Irrit. Eye irritation  
 Flam. Liq. Flammable liquids  
 H225 Highly flammable liquid and vapour.  
 H319 Causes serious eye irritation.  
 H335 May cause respiratory irritation.  
 H336 May cause drowsiness or dizziness.  
 STOT SE Specific target organ toxicity - single exposure

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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