


SECTION 1		IDENTIFICATION
Company Name	Aspect Ag, LLC	24 HOUR EMERGENCY NUMBER/CHEMTREC (USA) 1-800-424-9300 Poison Control Center (USA) 1-800-222-1212
Address	2527 County Road 7	
City, State, Zipcode	Marshall, MN 56258	
Phone Numbers	1-507-401-3700 / 1-507-401-3705 (fax)	
Website	www.aspectag.com	
Product Identity	Dynamize 90	
Reference/Item Number	ASDYN02, ASDYN30, ASDYN265	
Intended Use	See technical data sheet.	
Application Method	See technical data sheet.	

SECTION 2		HAZARD(S) IDENTIFICATION
Using the toxicity data listed in Sections 11 and 12, the product is labeled as follows:		HAZARD COMMUNICATION STANDARD (HCS) PICTOGRAM(S)  WARNING
[EYE IRRITANT 2]:		
H319:	Causes serious eye irritation.	
[SKIN IRRITANT 2]:		
H315:	Causes skin irritation.	
[PREVENTION]:		
P264:	Wash thoroughly after handling.	
P280:	Wear protective gloves/eye/face protection.	
[RESPONSE]:		
P305+351+338:	IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do; continue rinsing.	
P302+352:	IF ON SKIN: Wash with plenty of soap and water.	
P332+313:	If skin irritation occurs, get medical advice/attention.	
P362:	Take off contaminated clothing and wash before reuse.	
P337+313:	If eye irritation persists, get medical advice/attention.	
[STORAGE]:		
P403+235:	Store in a well-ventilated place. Keep cool.	
[DISPOSAL]:		
P501:	Dispose of contents/container in accordance with local/national regulations.	

SECTION 3		COMPOSITION/INFORMATION ON INGREDIENTS
This product is labeled with the following GHS classifications, as it contains substances that present a hazard within the meaning of the relevant State and Federal Hazardous Substances regulations. This product is a proprietary blend and the ingredients and mixture percentages are being withheld as confidential business information.		
Ingredient/Chemical Designations	Weight %	CAS Number
Proprietary surfactant blend	100	Proprietary
		GHS Classification
		Eye Irrit. 2; H319 / Skin Irrit. 2; H315
		Notes
		[1] [2]
[1] Substance classified with a health or environmental hazard. [2] Substance with a workplace exposure limit. [3] PBT-substance or vPvB-substance. H315: Causes skin irritation. H319: Causes serious eye irritation.		

SECTION 4		FIRST AID MEASURES
[DESCRIPTIONS]:		
General:	In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.	
Inhalation:	Remove to fresh air. Keep patient warm and at rest. If breathing is irregular or stopped, give artificial respiration. If unconscious, place in the recovery position and obtain immediate medical attention. Give nothing by mouth.	
Eyes:	Irrigate copiously with clean fresh water for at least 10 minutes, holding the eyelids apart and seek medical attention.	
Skin:	Remove contaminated clothing. Wash skin thoroughly with soap and water or use a recognized skin cleanser. Do NOT use solvents or thinners.	
Ingestion:	If accidentally swallowed, obtain immediate medical attention. Keep at rest. Do NOT induce vomiting.	
[MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED]:		
Overview:	No adverse symptoms or effects anticipated under normal handling conditions. See section 2 for further details.	
Eyes:	Causes serious eye irritation.	
Skin:	Causes mild skin irritation.	

SECTION 5**FIRE FIGHTING MEASURES**

Extinguishing Media: Recommended extinguishing media: alcohol resistant foam, CO₂, powder, water spray. Do not use water jet.

Special Hazards: Combustion may yield smoke, carbon oxides and other products of incomplete combustion.

Advice For Firefighters: Evacuate area. Prevent contamination from run-off of adjacent areas, streams, drinking water and sewers. Do not flush down sewers or other drainage systems. Exposed firefighters must wear standard protective equipment and in enclosed areas self-contained breathing apparatus. Use water-spray to cool fire exposed surfaces and personnel.

ERG Guide No. ----

SECTION 6**ACCIDENTAL RELEASE MEASURES**

Personal Precautions, Protective Equipment and Emergency Procedures:

Remove sources of ignition. In case of a major spill, or spillage in a confined space, evacuate the area.

Environmental Precautions: Do not allow spills to enter drains or water courses.

Methods and Material For Containment and Cleaning Up:

Ventilate the area and avoid breathing vapors. Take the personal protective measures listed in Section 8. Contain and absorb spillage with non-combustible materials (e.g. sand/earth/vermiculite). Place in closed containers outside buildings and dispose of according to the Waste Regulations (see Section 13.) Clean, preferably with a detergent. Do not use solvents. Do not allow spills to enter drains or water courses. If drains, sewers, streams or lakes are contaminated, inform the local water company immediately. In the case of contamination of rivers, streams, or lakes, the Environmental Protection Agency should also be informed.

SECTION 7**HANDLING AND STORAGE**

Precautions For Safe Handling:

Do not get in eyes on skin or on clothing. Do not breathe vapors or mists. Keep container closed. Use only with adequate ventilation. Use good personal hygiene practices. Wash hands before eating, drinking, smoking. Remove contaminated clothing and clean before re-use. Destroy contaminated belts and shoes and other items that cannot be decontaminated. See Section 2 for further details [PREVENTION].

Conditions For Safe Storage:

Store in tightly container in dry, well-ventilated area away from excessive heat and incompatibles. See Section 2 for further details [STORAGE].

Incompatible Materials:

Strong acids, strong bases, oxidising agents.

Specific End Use(s):

See technical data sheet.

SECTION 8**EXPOSURE CONTROLS/PERSONAL PROTECTION**

Exposure Data: Ingredients with established limits for exposure under OSHA, ACGIH and/or NIOSH are listed below.

CAS No.	Ingestion	Source	Value
00000056-81-5	Glycerol	OSHA	TWA 15 mg/m ³ (total) TWA 5mg/m ³ (resp)
		ACGIH	TWA 3 mg/m ³ (respirable) 10 mg/m ³ (mist)
		NIOSH	No established RELs
0001310-58-3	Potassium hydroxide	OSHA	No established limit
		ACGIH	Ceiling: 2 mg/m ³
		NIOSH	C 2 mg/m ³

Carcinogen Data: This product contains no ingredients (at greater than 0.1%) that are suspected of being or known to be a carcinogen under OSHA, NTP, IARC.

[EXPOSURE CONTROLS]:

Respiratory:

If workers are exposed to concentrations above the exposure limit they must use the appropriate, certified respirators.

Eyes:

Wear safety eyewear (e.g. safety spectacles/goggles/visors) to protect against the splash of liquids.

Skin:

Overalls, which cover the body, arms, and legs, should be worn. Skin should not be exposed. All parts of the body should be washed after contact.

Engineering Controls:

Provide adequate ventilation. Where reasonably practicable, this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates, and any vapor below occupational exposure limits, suitable respiratory protection must be worn.

Other Work Practices:

See technical data sheet. See Section 2 for further details [PREVENTION].

SECTION 9**PHYSICAL AND CHEMICAL PROPERTIES**

Appearance: Clear pale yellow liquid

Upper Flammability Limits: Upper Explosive Limit: Not measured

Odor: Mild

Lower Flammability Limits: Lower Explosive Limit: Not measured

Odor Threshold: Not measured

Vapor Pressure (Pa): Not measured

pH: 7-8.5

Vapor Density: Not measured

Melting/Freezing Points (°C): Not measured

Solubility in Water: Soluble

Initial Boiling Point/Range (°C): No Established Limit (C) / No Established Limit (F)

Partition Co-efficient n-octanol/water (Log Kow): Not measured

Flash Point: >93°C / >200°F Pensky Martins Closed Cup (PMCC)

Auto-Ignition Temperature (°C): Not measured

Evaporation Rate (Ether=1): Not measured

Decomposition Temperature: Not measured

Flammability (Solid, Gas): Not applicable

Viscosity (cSt): Not measured

Specific Gravity @ 20°C 1.15

VOC%: Not measured

Other Information: DMSO extract by IP346: Less than 3.0 wt % (mineral oil component only)

SECTION 10 STABILITY AND REACTIVITY

Reactivity:	Not chemically reactive.
Chemical Stability:	Stable under normal ambient and anticipated conditions of use.
Hazardous Reactions:	Hazardous reactions not anticipated.
Conditions To Avoid:	Extreme heat/open flame.
Incompatible Materials:	Oxidizing agents.
Hazardous Decomposition Prod.:	Not anticipated under normal conditions of use.

SECTION 11 TOXICOLOGICAL INFORMATION

Acute Toxicity Estimate (ATE):	Ingredients	Oral LD50 mg/kg	Skin LD50mg/kg	Inhalation Vapor/Dust/Mist LD50mg/L/4hr
	Proprietary Blend	<5,000/Category NA	<5,000/Category NA	ND
Category --:	Item: Acute Toxicity (mouth) / Hazard: Not applicable.			
Category --:	Item: Acute Toxicity (skin) / Hazard: Not applicable.			
Category --:	Item: Acute Toxicity (inhalation) / Hazard: Not applicable.			
Category 2:	Item: Skin Corrosion/Irritation / Hazard: Causes skin irritation.			
Category 2:	Item: Eye Damage/Irritation / Hazard: Causes serious eye irritation.			
Category --:	Item: Sensitization (skin) / Hazard: Not applicable.			
Category --:	Item: Germ Toxicity / Hazard: Not applicable.			
Category --:	Item: Carcinogenicity / Hazard: Not applicable.			
Category --:	Item: Reproductive Toxicity / Hazard: Not applicable.			
Category --:	Item: Specific Target Organ Systemic Toxicity (single exposure) / Hazard: Not applicable.			
Category --:	Item: Specific Target Organ Systemic Toxicity (repeated exposure) / Hazard: Not applicable.			
Category --:	Item: Aspiration Hazard / Hazard: Not applicable.			

SECTION 12 ECOLOGICAL INFORMATION

Toxicity:	No additional information provided for this product. See Section 3 for chemical specific data.
Aquatic Ecotoxicity:	This product is not expected to be toxic to the aquatic environment.
Persistence and Degradability:	There is no data available on the preparation itself.
Bioaccumulative Potential:	Not measured.
Mobility in Soil:	No data available.
Results of PBT and vPvB Assess:	This product contains no PBT/vPvB chemicals.
Other Adverse Effects:	No data available.

SECTION 13 DISPOSAL CONSIDERATIONS

Waste Treatment Methods:	Do not allow into drains or water courses. Wastes and emptied containers should be disposed of in accordance with regulations made under the Control of Pollution Act and the Environmental Protection Act. Using information provided in this data sheet advice should be obtained from the Waste Regulation Authority, whether the special waste regulations apply.
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SECTION 14 TRANSPORT INFORMATION

UN Number:	Not applicable	
UN Proper Shipping Name:	Not regulated	
Transport Hazard Class(es):	DOT (Domestic Surface Transportation):	IMO/IMDG (Ocean Transportation):
	DOT Proper Shipping: Not regulated	IMDG Proper Shipping Name: Not regulated
	DOT Hazard Class: Not applicable	IMDG Hazard Class: Not applicable
	DOT Label: None	Sub Class: Not applicable
	UN/NA Number: Not applicable	IMDG Packing Group: Not applicable
	DOT Packing Group CERCLA/DOT RQ: NA gal. / NA lbs.	
Special Precautions For User:	No further information	
Transport:	Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code: Not applicable	
Environmental Hazards IMDG:	Marine Pollutant: No	
Packing Group:	Not applicable	

SECTION 15**REGULATORY INFORMATION**

Regulatory Overview: The regulatory data in Section 15 is not intended to be all-inclusive, only selected regulations are represented. All ingredients of this product are listed on the TSCA (Toxic Substance Control Act) inventory or are not required to be listed on the TSCA inventory.

WHMIS Classification: D2B

US EPA Tier II Hazards: Fire: No / Sudden Release of Pressure: No / Reactive: No / Immediate (acute): Yes / Delayed (chronic): No

EPCRA 311/312: Chemicals and RQs (>0.1%): Ethylene glycol (5,000.00) / Potassium hydroxide (1,000.00)

EPCRA 302: Extremely Hazardous (>0.1%): No product ingredients listed

EPCRA 313 Toxic Chemicals (>0.1%): Ethylene glycol

Proposition 65 Carcinogens (>0.0%): 1-4 dioxane / Oxirane

Proposition 65: Developmental Toxins (>0.0%): No product ingredients listed

Proposition 65: Female Repro Toxins (>0.0%): Oxirane

Proposition 65: Male Repro Toxins (>0.0%): Oxirane

N.J. RTK Substance (>1%): Glycerol / Potassium hydroxide

Penn RTK Substances (>1%): Glycerol / Potassium hydroxide / Diethylene glycol

SECTION 16**OTHER INFORMATION**

The information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind, expressed or implied, is made with respect to the information contained herein. We accept no responsibility and disclaim all liability for any harmful effects which may be caused by exposure to our products. Customers/users of this product must comply with all applicable health and safety laws, regulations, and orders.