SAFETY DATA SHEET



1. Identification

1. Identification	
Product identifier	INTELLIPHOS KP 4-3-1
Other means of identification	None.
Recommended use	Ag Product - Plant Nutrition
Recommended restrictions	None known.
Manufacturer/Importer/Supplier/	Distributor information
Manufacturer	
Company name Address	Wilbur-Ellis Company LLC 16300 Christensen Rd. Ste 135 Tukwila, WA 98188 United States
Telephone	Branded Products Information (800) 500-1698
E-mail	SDS@wilburellis.com
Emergency phone number	Chemtrec - Domestic (800) 424-9300 Chemtrec - International +1 703-741-5970
2. Hazard(s) identification	
Physical hazards	Not classified.
Health hazards	Not classified.
Environmental hazards	Not classified.
OSHA defined hazards	Not classified.
Label elements	
Hazard symbol	None.
Signal word	None.
Hazard statement	The mixture does not meet the criteria for classification.
Precautionary statement	
Prevention	Observe good industrial hygiene practices.
Response	Wash hands after handling.
Storage	Store away from incompatible materials.
Disposal	Dispose of waste and residues in accordance with local authority requirements.
Hazard(s) not otherwise classified (HNOC)	None known.
Supplemental information	None.

3. Composition/information on ingredients

Mixtures

Chemical name	Common name and synonyms	CAS number	%
Ammonium Thiosulfate		7783-18-8	10 - < 20
Ammonium Phosphate Monobasic		7722-76-1	5 - < 10
Other components below reportable levels			70 - < 80

Percentage ranges of composition to protect confidentiality or due to batch variation.

4. First-aid measures

Inhalation	Move to fresh air. Call a physician if symptoms develop or persist.
Skin contact	Wash off with soap and water. Get medical attention if irritation develops and persists.
Eye contact	Rinse with water. Get medical attention if irritation develops and persists.
Ingestion	Rinse mouth. Get medical attention if symptoms occur.

Most important symptoms/effects, acute and delayed	Direct contact with eyes may cause temporary irritation.
Indication of immediate medical attention and special treatment needed	Treat symptomatically.
General information	Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.
5. Fire-fighting measures	
Suitable extinguishing media	Water fog. Foam. Dry chemical powder. Carbon dioxide (CO2).
Unsuitable extinguishing media	Do not use water jet as an extinguisher, as this will spread the fire.
Specific hazards arising from the chemical	During fire, gases hazardous to health may be formed.
Special protective equipment and precautions for firefighters	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.
Fire fighting equipment/instructions	Move containers from fire area if you can do so without risk.
Specific methods	Use standard firefighting procedures and consider the hazards of other involved materials.
General fire hazards	No unusual fire or explosion hazards noted.
6. Accidental release measures	

Personal precautions, protective equipment and emergency procedures	Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Keep out of low areas. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. For personal protection, see section 8 of the SDS.
Methods and materials for containment and cleaning up	Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Cover with plastic sheet to prevent spreading. Absorb in vermiculite, dry sand or earth and place into containers. Prevent entry into waterways, sewer, basements or confined areas. Following product recovery, flush area with water.
	Small Spills: Wipe up with inert absorbent material. Clean surface thoroughly to remove residual contamination.
Environmental precautions	Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS. Avoid discharge into drains, water courses or onto the ground.

7. Handling and storage

Precautions for safe handling	Observe good industrial hygiene practices.
Conditions for safe storage, including any incompatibilities	Store in original tightly closed container. Store away from incompatible materials (see Section 10 of the SDS).

8. Exposure controls/personal protection

No biological exposure limits noted for the ingredient(s).
Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.
such as personal protective equipment
Wear safety glasses with side shields (or goggles).
Wear appropriate chemical resistant gloves.
Wear suitable protective clothing.
In case of insufficient ventilation, wear suitable respiratory equipment.
Wear appropriate thermal protective clothing, when necessary.
Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

9. Physical and chemical properties

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Appearance	
Physical state	Liquid.
Form	Liquid.
Color	Not available.
Odor	Not available.
Odor threshold	Not available.
рН	Not available.
Melting point/freezing point	Not available.
Initial boiling point and boiling range	Not available.
Flash point	Not available.
Evaporation rate	Not available.
Flammability (solid, gas)	Not available.
Upper/lower flammability or exp	losive limits
Flammability limit - lower (%)	Not available.
Flammability limit - upper (%)	Not available.
Explosive limit - lower (%)	Not available.
Explosive limit - upper (%)	Not available.
Vapor pressure	Not available.
Vapor density	Not available.
Relative density	Not available.
Solubility(ies)	
Solubility (water)	Soluble
Partition coefficient (n-octanol/water)	Not available.
Auto-ignition temperature	Not available.
Decomposition temperature	Not available.
Viscosity	Not available.
Other information	
Density	9.42 lb/gal
Specific gravity	1.13

10. Stability and reactivity

Reactivity	The product is stable and non-reactive under normal conditions of use, storage and transport.
Chemical stability	Material is stable under normal conditions.
Possibility of hazardous reactions	No dangerous reaction known under conditions of normal use.
Conditions to avoid	Contact with incompatible materials.
Incompatible materials	Strong oxidizing agents.
Hazardous decomposition products	Irritating and/or toxic fumes and gases may be emitted upon the product's decomposition.

11. Toxicological information

Information on likely routes of exposure

Inhalation	No adverse effects due to inhalation are expected.
Skin contact	No adverse effects due to skin contact are expected.
Eye contact	Direct contact with eyes may cause temporary irritation.
Ingestion	Expected to be a low ingestion hazard.

Symptoms related to the physical, chemical and toxicological characteristics

Information on toxicological effects

Acute toxicity

Ammonium Phosphate Monobasic (CAS 7722-76-1) Actuate Dermai LDS0 Rabbit > 5000 mg/kg, 24 Hours Rat > 5000 mg/kg, 24 Hours Rat > 5000 mg/kg, 24 Hours Inhalation LCS0 Rat > 5 mg/l, 4 Hours Oral LDS0 Rat > 5 mg/l, 4 Hours Oral LDS0 Rat > 2200 mg/kg, 24 Hours Actuate Dermai LDS0 Rat > 2200 mg/kg, 24 Hours LDS0 Rat > 2000 mg/kg, 24 Hours Coral LDS0 Rat > 2000 mg/kg, 24 Hours Actuate Dermai LDS0 Rat > 22000 mg/kg, 24 Hours Inhalation LCS0 Rat > 22000 mg/kg, 24 Hours Inhalation LCS0 Rat > 22 mg/l Acrosofized dust LDS0 Rat > 2000 mg/kg * Estimates for product may be based on additional component data not shown. Skin corresion/irritation Prolonged skin contact may cause temporary irritation. Skin sensitization Respiratory ensitization Not available. Skin sensitization This product is not expected to cause skin sensitization. Germ cell mutagenicity Not listed. Carcinogenicity Not listed. Reproductive toxicity This product is not expected to cause skin sensitization. Not required. Skin Sensitization Not available. Skin sensitization Not causilable to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic. Carcinogenicity Not listed. Reproductive toxicity This product is not expected to cause skin sensitization. Not required. Skin Sensitization Not causilable to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic. Carcinogenicity Not listed. Reproductive toxicity This product is not expected to cause reproductive or developmental effects. Specific target organ Not classified. Reproductive toxicity This product is not expected to cause reproductive or developmental effects. Specific target organ Not classified. Reproductive toxicity This product is not expected to cause reproductive or developmental effects. Specific target organ Not classified. Prother Information This product is not expected to acuse reprod	Components	Species	Test Results
Acute > 5000 mg/kg, 24 Hours Dermal > 5000 mg/kg, 24 Hours Inhalation > 5 mg/t, 4 Hours LC50 Rat > 5 mg/t, 4 Hours Oral > 5 mg/t, 4 Hours LC50 Rat 3260 mg/kg, 24 Hours Oral > 5 mg/t, 4 Hours LC50 Rat 3260 mg/kg Ammonium Thiosultate (CAS 7783):18-8 > 22 mg/t LC50 Rabbit > 2000 mg/kg, 24 Hours LC50 Rabbit > 22 mg/t LC50 Rat > 22 mg/t LC50 Rat > 22 mg/t Acrosolized dust > 22 mg/t LC50 Rat > 2000 mg/kg Oral > 22 mg/t Hours LC50 Rat > 2000 mg/kg Serious eye damage/eye Piect contact with eyes may cause temporary irritation. Serious eye damage/eye Piect contact with eyes may cause temporary irritation. Serious eye damage/eye This product is not expected to cause skin sensitization. Serious eye damage/eye This product is not expected to cause skin sensitization. </td <td>· · · · · · · · · · · · · · · · · · ·</td> <td>-</td> <td></td>	· · · · · · · · · · · · · · · · · · ·	-	
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•	toxicity - repeated	Not classified.	
-	Aspiration hazard	Not available.	
	-	This product has no known adverse effect on huma	an health.

12. Ecological information

Ecotoxicity	The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.
Persistence and degradability	No data is available on the degradability of this product.
Bioaccumulative potential	No data available.
Mobility in soil	No data available.
Other adverse effects	No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

13. Disposal considerations

Disposal instructions	Collect and reclaim or dispose in sealed containers at licensed waste disposal site.
Local disposal regulations	Dispose in accordance with all applicable regulations.
Hazardous waste code	The waste code should be assigned in discussion between the user, the producer and the waste disposal company.
Waste from residues / unused products	Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).
Contaminated packaging	Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings, if applicable, even after container is emptied.

14. Transport information

DOT

Not regulated as dangerous goods.

IATA

Not regulated as dangerous goods.

IMDG

Not regulated as dangerous goods.

Transport in bulk according to Not established. Annex II of MARPOL 73/78 and the IBC Code

15. Regulatory information

US federal regulations

All components are on the U.S. EPA TSCA Inventory List. This product is not known to be a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Not regulated.

CERCLA Hazardous Substance List (40 CFR 302.4)

Not listed.

SARA 304 Emergency release notification

Not regulated.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not regulated.

Hazard categories

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Immediate Hazard - No Delayed Hazard - No Fire Hazard - No

Pressure Hazard - No Reactivity Hazard - No

SARA 302 Extremely hazardous substance

Not listed.

SARA 311/312 Hazardous No chemical

SARA 313 (TRI reporting)

Chemical name	CAS number	r % by wt.
AQUEOUS AMMONIA F	NHYDROUS AMMONIA AND83-18-8 ROM WATER DISSOCIABLE OTHER SOURCES; 10% OF ONIA IS REPORTABLE	10 - < 20
AQUEOUS AMMONIA F	NHYDROUS AMMONIA AM222-76-1 ROM WATER DISSOCIABLE 0 OTHER SOURCES; 10% OF ONIA IS REPORTABLE	5 - < 10
Other federal regulations		
Clean Air Act (CAA) Section	112 Hazardous Air Pollutants (HAPs)	List
Not regulated. Clean Air Act (CAA) Section	112(r) Accidental Release Prevention	n (40 CFR 68.130)
Not regulated.		
Safe Drinking Water Act (SDWA)	Not regulated.	
US state regulations		
		6 (Proposition 65): This material is not known to contain ins.
International Inventories		
Country(s) or region	Inventory name	On inventory (yes/no)*
Canada	Non-Domestic Substances List (NDSL)	.) Yes
China	Inventory of Existing Chemical Substan	nces in China (IECSC) Yes
Philippines	Philippine Inventory of Chemicals and (PICCS)	Chemical Substances Yes
United States & Puerto Rico	Toxic Substances Control Act (TSCA)	Inventory Yes

United States & Puerto Rico Toxic Substances Control Act (TSCA) Inventory

*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s) A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

16. Other information, including date of preparation or last revision

Issue date	02-23-2016
Revision date	09-26-2017
Version #	02
NFPA ratings	Health: 0 Flammability: 0 Instability: 0

NFPA ratings



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Yes