



Safety Data Sheet

Section 1: Identification

Product identifier

Product Name

- **Adonis 2F Insect Concentrate**

Synonyms

- 100208952; 100208953; 100208954; 530012; EPA Reg. No.: 89459-54

Product Description

- Off-white viscous liquid.

Relevant identified uses of the substance or mixture and uses advised against**Recommended use**

- Pesticide.

Restrictions on use

- KEEP OUT OF THE REACH OF CHILDREN. Avoid contact with eyes, skin or clothing.

Details of the supplier of the safety data sheet**Manufacturer**

- Central Garden & Pet Company
1501 E. Woodfield Road, Suite 200W
Schaumburg, IL 60173
United States

Emergency telephone number**Manufacturer**

- 1-800-424-9300 - CHEMTREC

Manufacturer (Transportation)

- 1-703-527-3887 - Chemtrec - Outside US collect calls accepted

Manufacturer

- 1-800-248-7763

Section 2: Hazard Identification

United States (US)

According to: OSHA 29 CFR 1910.1200 HCS

Classification of the substance or mixture**OSHA HCS 2012**

- Not classified; does not meet hazard criteria.

Label elements**OSHA HCS 2012**

- Hazard statements**
- No label element(s) required

Other hazards**OSHA HCS 2012**

- This product is highly toxic to bees and aquatic invertebrates.

Section 3 - Composition/Information on Ingredients

Substances

- Material does not meet the criteria of a substance.

Mixtures

Composition		
Chemical Name	Identifiers	%
Imidacloprid	CAS:138261-41-3	21.4%
Other ingredients	NDA	78.6%

Section 4: First-Aid Measures

Description of first aid measures

Inhalation

- IF INHALED: If breathing is difficult, remove person to fresh air and keep at rest in a position comfortable for breathing. Call a physician if symptoms persist.

Skin

- IF ON SKIN: Wash skin with soap and water. Get medical attention if symptoms occur.

Eye

- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a poison control center or doctor for treatment advice.

Ingestion

- IF SWALLOWED: Do not induce vomiting unless told to by a poison control center or doctor. Call a physician or poison control center. Have person sip a glass of water if able to swallow. Never give anything by mouth to an unconscious person.

Most important symptoms and effects, both acute and delayed

- Refer to Section 11 - Toxicological Information.

Indication of any immediate medical attention and special treatment needed

Notes to Physician

- Treat symptomatically and supportively.

Section 5: Fire-Fighting Measures

Extinguishing media

Suitable Extinguishing Media • Use foam, carbon dioxide, or dry chemical.

Unsuitable Extinguishing Media • None known.

Firefighting Procedures • Do not allow fire fighting water to escape into waterways or sewers. Fire fighters should wear complete protective clothing including self-contained breathing apparatus.

Special hazards arising from the substance or mixture

Unusual Fire and Explosion Hazards • No data available.

Hazardous Combustion Products • Non-combustible, substance itself does not burn but may decompose upon heating to produce toxic fumes which may include hydrogen cyanide, hydrogen chloride, carbon monoxide, nitrogen oxides.

Advice for firefighters

- Do not allow run-off to enter waterways.

Section 6 - Accidental Release Measures

Personal precautions, protective equipment and emergency procedures

Personal Precautions

- Wear appropriate personal protective equipment, avoid direct contact.

Emergency Procedures

- No emergency procedures are expected to be necessary if material is used under ordinary conditions as recommended.

Environmental precautions

- Do NOT wash away into sewer. Avoid release to the environment.

Methods and material for containment and cleaning up

Containment/Clean-up Measures

- Absorb spills with an inert material, clay granules or other inert absorbent material and put in container for disposal.

Section 7 - Handling and Storage

Precautions for safe handling

Handling

- Use good safety and industrial hygiene practices. Wash thoroughly with soap and water after handling. Avoid breathing fumes. Avoid contact with skin or eyes. Avoid release to the environment.

Conditions for safe storage, including any incompatibilities

Storage

- Store in cool, dry, secure place. Keep out of reach of children. Avoid extreme temperatures.

Section 8 - Exposure Controls/Personal Protection

Control parameters

Exposure Limits/Guidelines

- No data available.

Exposure controls

Engineering Measures/Controls

- Use adequate ventilation to remove vapors (fumes, dust etc)

Personal Protective Equipment

Pictograms



Respiratory

- Not required with normal use.

Eye/Face

- Not required with normal use.

Hands

- Wear appropriate gloves.

Skin/Body

- Not required with normal use.

Environmental Exposure Controls

- Refer to Section 13 - Disposal Considerations.

Section 9 - Physical and Chemical Properties

Information on Physical and Chemical Properties

Material Description			
Physical Form	Liquid	Appearance/Description	Off-white viscous liquid.
Color	Off-white	Odor	Mild
Odor Threshold	No data available		

General Properties			
Boiling Point	>= 212 F(>= 100 C)	Melting Point	No data available
Decomposition Temperature	No data available	pH	5.5 to 8 @ 25 C(77 F)
Specific Gravity/Relative Density	1.12 g/cc 9.35 lb/gal	Water Solubility	No data available
Viscosity	No data available		
Volatility			
Vapor Pressure	No data available	Vapor Density	No data available
Evaporation Rate	No data available		
Flammability			
Flash Point	> 212 F(> 100 C)	UEL	No data available
LEL	No data available	Autoignition	No data available
Flammability (solid, gas)	No data available		
Environmental			
Octanol/Water Partition coefficient	No data available		

Section 10: Stability and Reactivity

Reactivity

- Non-reactive

Chemical stability

- Stable

Possibility of hazardous reactions

- Hazardous polymerization will not occur.

Conditions to avoid

- No data available.

Incompatible materials

- Store away from oxidizers.

Hazardous decomposition products

- Non-combustible, substance itself does not burn but may decompose upon heating to produce toxic fumes which may include hydrogen cyanide, hydrogen chloride, carbon monoxide, nitrogen oxides.

Section 11 - Toxicological Information

Information on toxicological effects

Components		
Imidacloprid (21.4%)	138261-41-3	Acute Toxicity: Ingestion/Oral-Rat LD50 • >450 mg/kg; Inhalation-Rat • >5 mg/L; Skin-Rat LD50 • >5000 mg/kg

GHS Properties	Classification
Acute toxicity	OSHA HCS 2012 • Acute Toxicity - Dermal - Classification criteria not met; Acute Toxicity - Inhalation - Classification criteria not met; Acute Toxicity - Oral - Classification criteria not met
Aspiration Hazard	OSHA HCS 2012 • Classification criteria not met

Carcinogenicity	OSHA HCS 2012 • Classification criteria not met
Germ Cell Mutagenicity	OSHA HCS 2012 • Not classified - data lacking
Skin corrosion/Irritation	OSHA HCS 2012 • Classification criteria not met
Skin sensitization	OSHA HCS 2012 • Classification criteria not met
STOT-RE	OSHA HCS 2012 • Classification criteria not met
STOT-SE	OSHA HCS 2012 • Classification criteria not met
Toxicity for Reproduction	OSHA HCS 2012 • Classification criteria not met
Respiratory sensitization	OSHA HCS 2012 • Classification criteria not met
Serious eye damage/Irritation	OSHA HCS 2012 • Classification criteria not met

Potential Health Effects

Inhalation

- Acute (Immediate)** • Under normal conditions of use, no health effects are expected.
- Chronic (Delayed)** • No data available.

Skin

- Acute (Immediate)** • Under normal conditions of use, no health effects are expected.
- Chronic (Delayed)** • No data available.

Eye

- Acute (Immediate)** • Under normal conditions of use, no health effects are expected.
- Chronic (Delayed)** • No data available.

Ingestion

- Acute (Immediate)** • Under normal conditions of use, no health effects are expected.
- Chronic (Delayed)** • No data available.

Section 12 - Ecological Information

Toxicity

Component	CAS	Data
Imidacloprid (21.4%)	138261-41-3	Crustacea: 48 Hour(s) LC50 Crustacea <i>Daphnia magna</i> 85 mg/L [Acute]; Fish: 96 Hour(s) LC50 Fish <i>Rainbow Trout</i> 211 mg/L [Acute]; 96 Hour(s) LC50 Fish <i>Leuciscus idus</i> 237 mg/L [Acute]

Persistence and degradability

- No data available.

Bioaccumulative potential

- No data available.

Mobility in Soil

- No data available.

Other adverse effects

Ecological Fate

- No data available.

Potential Environmental Effects

- This pesticide is highly toxic to bees and aquatic invertebrates.

Section 13 - Disposal Considerations

Waste treatment methods

- Product waste**
- Do not contaminate water by disposal. Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.
- Packaging waste**
- Dispose of content and/or container in accordance with local, regional, national, and/or international regulations. Nonrefillable container. Do not reuse or refill container. See product label for container disposal instructions.

Section 14 - Transport Information

	UN number	UN proper shipping name	Transport hazard class (es)	Packing group	Environmental hazards
DOT	N/A	Not Regulated	N/A	N/A	N/A
IMO/IMDG	N/A	Not Regulated	N/A	N/A	N/A
IATA/ICAO	N/A	Not Regulated	N/A	N/A	N/A

- Special precautions for user**
- None specified.
- Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**
- No data available
- Other information**

IMO/IMDG • No data available

IATA/ICAO • No data available

Key to abbreviations

N/A = Not applicable.

Section 15 - Regulatory Information

Safety, health and environmental regulations/legislation specific for the substance or mixture

SARA Hazard Classifications • None

FIFRA – Pesticide Labeling

This chemical is a pesticide product registered by the United States Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets (SDS), and for workplace labels of non-pesticide chemicals. The hazard information required on the pesticide label is reproduced below. The pesticide label also includes other important information, including directions for use.

Precautionary Statements • KEEP OUT OF THE REACH OF CHILDREN.

Hazards to Humans and Domestic Animals • PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS CAUTION Harmful if swallowed, inhaled, or absorbed through skin. Avoid contact with skin, eyes, or clothing. Avoid breathing spray mist. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse. Keep children or pets away from treated area until dry.

First Aid • If Swallowed: If in Eyes If on Skin or Clothing If Inhaled Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person. Hold eyelids open and rinse slowly and gently with water for 15 to 20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice. Take off contaminated clothing Rinse skin immediately with plenty of soap and water for 15 to 20 minutes. Call a poison control

center or doctor for treatment advice. Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advice.

Environmental Hazards ● This product is highly toxic to aquatic invertebrates. Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwaters. This product is highly toxic to bees exposed to direct treatment or residues on blooming crops, plants or weeds. Do not apply this product or allow it to drift to blooming crops, plants or weeds if bees are foraging in the treatment area. This chemical demonstrates the properties and characteristics associated with chemicals detected in groundwater. The use of this chemical in areas where soils are permeable, particularly where the water table is shallow, may result in groundwater contamination. Apply this product only as specified on this label. Extreme care must be taken to avoid runoff. Apply only to soil or other fill substrate that will accept the solution at the specified rate. Do not treat soil that is water saturated or frozen or in any conditions where run-off or movement from the treatment area (site) is likely to occur.

Section 16 - Other Information

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