

1. IDENTIFICATION OF SUBSTANCE/PREPARATION AND COMPANY/UNDERTAKING

IDENTIFICATION OF THE SUBSTANCE OR PREPARATION

Tradename **ADIGOR**
 Design Code **A12127R**
 AGI Code **170776**
 Sales Code **27226**

COMPANY/UNDERTAKING IDENTIFICATION

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2. COMPOSITION/INFORMATION ON INGREDIENTS

HAZARDOUS COMPONENTS

CAS-NO.	EC-NO.	CHEMICAL NAME	CONCENTRATION (%W/W)	HAZARD SYMBOLS	RISK PHRASES (R)
68920-66-1	–	alcohols, C16-18 and C18-unsatd., ethoxylated	25–35	Xi	38
64742-94-5	265-198-5	solvent naphtha (petroleum), highly arom.	20–30	N,Xn	51/53, 65, 66

For the full text of the R phrases mentioned in this section, see section 16.

3. HAZARDS IDENTIFICATION

Health Hazards: May cause sensitisation by skin contact.

Environmental hazard in case of accident (spillage/leakage): Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

4. FIRST AID MEASURES

General: Have the product container, label or Material Safety Data Sheet with you when calling the Syngenta emergency number, a Poison Control Centre or physician, or going for treatment.

Inhalation: Move to fresh air. If breathing is irregular or stopped, administer artificial respiration. Keep patient warm and at rest. Call a physician or Poison Control Centre immediately.

Skin contact: Take off all contaminated clothing immediately. Wash off immediately with plenty of water. If skin irritation persists, call a physician. Wash contaminated clothing before re-use.

Eye contact: Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses. Immediate medical attention is required.

A D J U V A N T

Ingestion: If swallowed, seek medical advice immediately and show this container or label. Do not induce vomiting: contains petroleum distillates and/or aromatic solvents.

MEDICAL INSTRUCTIONS

There is no specific antidote available. Treat symptomatically. Do not induce vomiting: contains petroleum distillates and/or aromatic solvents.

5. FIRE FIGHTING MEASURES

SUITABLE EXTINGUISHING MEDIA:

Extinguishing media – small fires: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Extinguishing media – large fires: Use alcohol-resistant foam or water spray.

Extinguishing media which must not be used for safety reasons: Do not use a solid water stream as it may scatter and spread fire.

Specific hazards during fire fighting: As the product contains combustible organic components, fire will produce dense black smoke containing hazardous products of combustion (see section 10). Exposure to decomposition products may be a hazard to health.

Special protective equipment for fire fighters: Wear full protective clothing and self-contained breathing apparatus.

Further information: Do not allow run-off from fire fighting to enter drains or water courses. Cool closed containers exposed to fire with water spray.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions: Refer to protective measures listed in sections 7 and 8.

Environmental precautions: Prevent further leakage or spillage if safe to do so. Do not flush into surface water or sanitary sewer system.

Methods for cleaning up: Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local/national regulations (see section 13).

Additional advice: If the product contaminates rivers and lakes or drains inform respective authorities.

7. HANDLING AND STORAGE

HANDLING

Advice on safe handling: No special protective measures against fire required. Avoid contact with skin and eyes. When using, do not eat, drink or smoke. For personal protection see section 8.

STORAGE

Requirements for storage areas and containers: No special storage conditions required. Keep containers tightly closed in a dry, cool and well-ventilated place. Keep out of the reach of children. Keep away from food, drink and animal feeding stuffs.

Other data: Physically and chemically stable for at least 2 years when stored in the original unopened sales container at ambient temperatures

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

COMPONENTS WITH WORKPLACE CONTROL PARAMETERS

Components	Exposure limit(s)	Value type	Source
solvent naphtha (petroleum), highly arom.	20 ppm 100 mg/m ³	8 h TWA	SUPPLIER

ENGINEERING MEASURES

Containment and/or segregation is the most reliable technical protection measure if exposure cannot be eliminated. The extent of these protection measures depends on the actual risks in use. If airborne mists or vapours are generated, use local exhaust ventilation controls. Assess exposure and use any additional measures to keep airborne levels below any relevant exposure limit. Where necessary, seek additional occupational hygiene advice.

PERSONAL PROTECTIVE EQUIPMENT

When using this product refer to the label for details. In all other cases, use the following Personal Protective Equipment:

Protective measures: The use of technical measures should always have priority over the use of personal protective equipment. When selecting personal protective equipment, seek appropriate professional advice. Personal protective equipment should be certified to appropriate standards.

Respiratory protection: A combination gas, vapour and particulate respirator may be necessary until effective technical measures are installed. Protection provided by air-purifying respirators is limited. Use a self-contained breathing apparatus in cases of emergency spills, when exposure levels are unknown, or under any circumstances where air-purifying respirators may not provide adequate protection.

Hand protection: Chemical resistant gloves should be used. Gloves should be certified to an appropriate standard. Gloves should have a minimum breakthrough time that is appropriate to the duration of exposure. The breakthrough time of gloves varies according to the thickness, material and manufacturer. Gloves should be changed when breakthrough is suspected. Suitable material: Nitrile rubber.

Eye protection: Eye protection is not usually required. Follow any site specific eye protection policies.

Skin and body protection: Assess the exposure and select chemical resistant clothing based on the potential for contact and the permeation/penetration characteristics of the clothing material. Wash with soap and water after removing protective clothing. Decontaminate clothing before re-use, or use disposable equipment (suits, aprons, sleeves, boots, etc.). Wear as appropriate: Impervious protective suit.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form:	Liquid
Colour:	Light yellow to yellow
Odour:	Aromatic, like solvent
pH:	4-8 (1% w/v)
Flash Point:	123°C
Autoignition Temperature:	290°C
Oxidising Properties:	Not oxidising
Explosive Properties:	Not explosive
Density:	0.927g/ml (20°C)
Miscibility:	Miscible
Dynamic Viscosity:	15.1 mPa.s (20°C)

ADJUVANT

Dynamic Viscosity: 8.05 mPa.s (40°C)
Surface Tension: 32.4 mN/m (25°C)

10. STABILITY AND REACTIVITY

Hazardous decomposition products: Combustion or thermal decomposition will evolve toxic and irritant vapours.

Hazardous reactions: None known. Hazardous polymerisation does not occur. Stable under normal conditions

11. TOXICOLOGICAL INFORMATION

Oral Toxicity LD₅₀: >5000 mg/kg (female rat)
Dermal Toxicity LD₅₀: >5000 mg/kg (rat)
Skin Irritation: Mildly Irritating (rabbit)
Eye Irritation: Mildly Irritating (rabbit)
Skin Sensitisation: A skin sensitiser in animal tests (guinea pig)

12. ECOLOGICAL INFORMATION

ELIMINATION INFORMATION (PERSISTENCE AND DEGRADABILITY)

Biodegradability: Expected to be biodegradable. Derived from components.

ECOTOXICITY EFFECTS

Toxicity to Fish LC₅₀: 9.6 mg/l (*Oncorhynchus mykiss* (Rainbow trout); 96 h; Static conditions)
Toxicity to Algae, EbC₅₀: 0.51 mg/l *Pseudokirchneriella subcapitata* (green algae); 72 h
Toxicity to Algae, ErC₅₀: 1.2 mg/l *Pseudokirchneriella subcapitata* (green algae); 72 h
Toxicity to Aquatic Invertebrates, EC₅₀: 7.1 mg/l (*Daphnia magna* (water flea); 48 h; Static conditions)

13. DISPOSAL CONSIDERATIONS

Product: Do not contaminate ponds, waterways or ditches with chemical or used container. Do not dispose of waste into sewer. Where possible recycling is preferred to disposal or incineration. If recycling is not practicable, dispose of in compliance with local regulations.

Contaminated packaging: Empty remaining contents. Triple rinse containers. Empty containers should be taken for local recycling or waste disposal. Do not re-use empty containers.

14. TRANSPORT INFORMATION

LAND/SEA/AIR (RID/ADR/IMDG/IATA)

	Class	UN number	Packaging Group
	9	3082	III
Proper Shipping Name:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S., (SOLVENT NAPHTHA)		
Marine pollutant:	Yes		

15. REGULATORY INFORMATION

Hazard Symbol/Classification	N Xi	DANGEROUS FOR THE ENVIRONMENT IRRITANT
Risk phrases (R)	43 51/53	May cause sensitisation by skin contact. Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
Safety phrases (S)	2 13 20/21 35 36/37 57	Keep out of the reach of children. Keep away from food, drink and animal feeding stuffs. When using do not eat, drink or smoke. This material and its container must be disposed of in a safe way. Wear suitable protective clothing and gloves. Use appropriate containment to avoid environmental contamination.
Special label		To avoid risks to man and the environment, comply with the instructions for use.

16. OTHER INFORMATION

Always read the label. Use pesticides safely.

Based upon SDS issue date 09/11/2006, version 3. DPD compliant.

Adjuvant registration number: 0522

Major revisions mainly to sections 4 to 13.

Text of R phrases mentioned in Section 2:

36/37/38 Irritating to eyes, respiratory system and skin.

38 Irritating to skin.

51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

65 Harmful: may cause lung damage if swallowed.

66 Repeated exposure may cause skin dryness or cracking.

The information contained herein is based on the present state of our knowledge and is intended to describe our products from the point of view of safety requirements. It should not therefore be construed as guaranteeing specific properties.