

# SAFETY DATA SHEET

## ADDITIN RC 3775



Version	Revision Date:	SDS Number:	Date of last issue: 11/13/2020
2.0	01/03/2025	203000012323	Country / Language: US / EN

---

### SECTION 1. IDENTIFICATION

Product name : ADDITIN RC 3775

Product code : 000000000005175488

#### Manufacturer or supplier's details

Company : LANXESS Corporation  
Product Safety & Regulatory Affairs  
111 RIDC Park West Drive  
Pittsburgh, Pennsylvania 15275-1112

Responsible Department : (800) LANXESS  
(412) 809-1000  
lanxesshes@lanxess.com

Emergency telephone : CHEMTREC (800) 424-9300 or  
(703) 527-3887 (Outside U.S.A) and mention CCN12916.  
Lanxess Emergency Phone (800) 410-3063.

#### Recommended use of the chemical and restrictions on use

Recommended use : Additive for lubricants

---

### SECTION 2. HAZARDS IDENTIFICATION

#### GHS classification in accordance with the OSHA Hazard Communication Standard (29 CFR 1910.1200)

Skin irritation : Category 2

Eye irritation : Category 2A

Skin sensitization : Category 1

Specific target organ toxicity : Category 1 (lymph node)  
- repeated exposure

#### GHS label elements

Hazard pictograms :

Signal Word : Danger

# SAFETY DATA SHEET

## ADDITIN RC 3775



Version 2.0      Revision Date: 01/03/2025      SDS Number: 203000012323      Date of last issue: 11/13/2020  
Country / Language: US / EN

**Hazard Statements** : Causes skin irritation.  
May cause an allergic skin reaction.  
Causes serious eye irritation.  
Causes damage to organs (lymph node) through prolonged or repeated exposure.

**Precautionary Statements** : **Prevention:**  
Do not breathe mist or vapors.  
Wash skin thoroughly after handling.  
Do not eat, drink or smoke when using this product.  
Contaminated work clothing must not be allowed out of the workplace.  
Wear protective gloves/ eye protection/ face protection.  
**Response:**  
IF ON SKIN: Wash with plenty of soap and water.  
IF IN EYES: Rinse cautiously with water for several minutes.  
Remove contact lenses, if present and easy to do. Continue rinsing.  
Get medical advice/ attention if you feel unwell.  
If skin irritation or rash occurs: Get medical advice/ attention.  
If eye irritation persists: Get medical advice/ attention.  
Take off contaminated clothing and wash before reuse.  
**Disposal:**  
Dispose of contents/ container to an approved waste disposal plant.

### Other hazards

None known.

## SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

### Components

Chemical name	CAS-No.	Concentration (% w/w)
Amines, C11-14-branched alkyl, monohexyl and dihexyl phosphates	80939-62-4	>= 70 - < 90
Proprietary mercaptothiadiazole derivative	Trade Secret	>= 5 - < 10

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

## SECTION 4. FIRST AID MEASURES

If inhaled : Remove victim to fresh air and keep at rest in a position com-

# SAFETY DATA SHEET

## ADDITIN RC 3775



Version	Revision Date:	SDS Number:	Date of last issue: 11/13/2020
2.0	01/03/2025	203000012323	Country / Language: US / EN

---

- comfortable for breathing.  
If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel.  
Get medical attention if symptoms occur.
- In case of skin contact : Wash off with soap and plenty of water.  
Remove contaminated clothing. If irritation develops, get medical attention.  
Continue to rinse for at least 20 minutes.  
Wash clothing before reuse.
- In case of eye contact : Immediately flush eye(s) with plenty of water.  
Remove contact lenses, if present and easy to do. Continue rinsing.  
Continue to rinse for at least 20 minutes.  
Get medical attention if symptoms appear.
- If swallowed : Rinse mouth with water.  
Remove victim to fresh air and keep at rest in a position comfortable for breathing.  
Do not induce vomiting. Drink water. Call physician immediately.  
If vomiting occurs, the head should be kept low so that vomit does not enter the lungs.  
If unconscious, place in recovery position and get medical attention immediately.  
Maintain open airway.  
Loosen tight clothing such as a collar, tie, belt or waistband.

### Most important symptoms and effects, both acute and delayed

- Symptoms : Eye: Causes irritation with symptoms of reddening, tearing, stinging, and swelling.  
Skin: Causes irritation with symptoms of reddening, itching, and swelling.
- Effects : Causes skin irritation.  
May cause an allergic skin reaction.  
Causes serious eye irritation.  
Causes damage to organs through prolonged or repeated exposure.
- Protection of first-aiders : If potential for exposure exists refer to Section 8 for specific personal protective equipment.
- Notes to physician : Treat symptomatically.

---

## SECTION 5. FIRE-FIGHTING MEASURES

# SAFETY DATA SHEET

## ADDITIN RC 3775



Version	Revision Date:	SDS Number:	Date of last issue: 11/13/2020
2.0	01/03/2025	203000012323	Country / Language: US / EN

---

- Suitable extinguishing media : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.  
In case of fire, use water spray (fog), foam or dry chemical.
- Unsuitable extinguishing media : None known.
- Specific hazards during fire fighting : In a fire or if heated, a pressure increase will occur and the container may burst.  
Vapors may form explosive mixtures with air.
- Hazardous combustion products : Carbon dioxide (CO<sub>2</sub>)  
Nitrogen oxides (NO<sub>x</sub>)  
Carbon monoxide  
Sulfur oxides  
phosphorus oxide (P<sub>2</sub>O<sub>5</sub>)
- Further information : Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire.  
No action shall be taken involving any personal risk or without suitable training.  
Collect contaminated fire extinguishing water separately. This must not be discharged into drains.  
Standard procedure for chemical fires.  
Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.  
Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
- Special protective equipment for fire-fighters : Wear an approved positive pressure self-contained breathing apparatus in addition to standard fire fighting gear.

---

### SECTION 6. ACCIDENTAL RELEASE MEASURES

- Personal precautions, protective equipment and emergency procedures : No action shall be taken involving any personal risk or without suitable training.  
Evacuate personnel to safe areas.  
Do not touch or walk through spilled material.  
Keep unnecessary and unprotected personnel from entering.  
Put on appropriate personal protection equipment.
- Environmental precautions : Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.  
Local authorities should be advised if significant spillages cannot be contained.
- Methods and materials for containment and cleaning up : Stop leak if safe to do so.  
Move containers from spill area.

# SAFETY DATA SHEET

## ADDITIN RC 3775



Version	Revision Date:	SDS Number:	Date of last issue: 11/13/2020
2.0	01/03/2025	203000012323	Country / Language: US / EN

---

Wash spillages into an effluent treatment plant or proceed as follows.  
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).  
Dispose of wastes in an approved waste disposal facility.  
Do not allow into the sewerage system, surface waters or groundwater or into the soil.

---

### SECTION 7. HANDLING AND STORAGE

- Advice on safe handling : Avoid inhalation, ingestion and contact with skin and eyes.  
Use only with adequate ventilation.  
Wear personal protective equipment.  
Remove contaminated clothing and protective equipment before entering eating areas.
- Conditions for safe storage : Store in accordance with local regulations.  
Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink.  
Containers that have been opened must be carefully resealed and kept upright to prevent leakage.  
Use appropriate container to avoid environmental contamination.  
Do not reuse container.  
Electrical installations / working materials must comply with the technological safety standards.
- Further information on storage stability : No decomposition if stored and applied as directed.

---

### SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### Ingredients with workplace control parameters

|| Contains no substances with occupational exposure limit values.

- Engineering measures** : Thermal processing operations should be ventilated to control gases and fumes given off during processing.

#### Personal protective equipment

- Respiratory protection : Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

# SAFETY DATA SHEET

## ADDITIN RC 3775



Version	Revision Date:	SDS Number:	Date of last issue: 11/13/2020
2.0	01/03/2025	203000012323	Country / Language: US / EN

---

NIOSH approved, air-purifying organic vapor respirator.

In the case of vapor formation use a respirator with an approved filter.

Hand protection

Material

: PVC

Remarks

: Gloves should be discarded and replaced if there is any indication of degradation or chemical breakthrough.

Skin and body protection

: Permeation resistant clothing and foot protection.

Hygiene measures

: Appropriate techniques should be used to remove potentially contaminated clothing.  
Ensure that eyewash stations and safety showers are close to the workstation location.

---

### SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state

: liquid

Color

: yellow

Odor

: amine-like

Odor Threshold

: No data available

pH

: Not applicable

Melting point/ range

: No data available

Boiling point/boiling range

: No data available

Flash point

: 374 °F / 190 °C

Method: DIN ISO 2592, open cup

Evaporation rate

: No data available

Flammability (liquids)

: No data available

Self-ignition

: No data available

Burning number

: No data available

Upper explosion limit / Upper flammability limit

: No data available

# SAFETY DATA SHEET

## ADDITIN RC 3775



Version 2.0	Revision Date: 01/03/2025	SDS Number: 203000012323	Date of last issue: 11/13/2020 Country / Language: US / EN
----------------	------------------------------	-----------------------------	---

---

Lower explosion limit / Lower flammability limit	:	No data available
Vapor pressure	:	No data available
Relative vapor density	:	No data available
Relative density	:	No data available
Density	:	0.94 g/cm <sup>3</sup> (68 °F / 20 °C)
Solubility(ies)		
Water solubility	:	slightly soluble
Solubility in other solvents	:	No data available
Partition coefficient: n-octanol/water	:	No data available
Ignition temperature	:	No data available
Decomposition temperature	:	No data available
Viscosity		
Viscosity, dynamic	:	No data available
Viscosity, kinematic	:	No data available
Explosive properties	:	No data available
Oxidizing properties	:	No data available
Particle size	:	Not applicable

---

### SECTION 10. STABILITY AND REACTIVITY

Reactivity	:	No specific test data related to reactivity available for this product or its ingredients.
Chemical stability	:	The product is chemically stable.
Possibility of hazardous reactions	:	Under normal conditions of storage and use, hazardous reactions will not occur.
Conditions to avoid	:	Extremes of temperature and direct sunlight.
Incompatible materials	:	Reducing agents Oxidizing agents

# SAFETY DATA SHEET

## ADDITIN RC 3775



Version	Revision Date:	SDS Number:	Date of last issue: 11/13/2020
2.0	01/03/2025	203000012323	Country / Language: US / EN

---

### Acids and bases

Hazardous decomposition products : No hazardous decomposition products are known.

---

## SECTION 11. TOXICOLOGICAL INFORMATION

### Information on likely routes of exposure

Inhalation  
Eye contact  
Skin contact  
Ingestion

### Acute toxicity

Not classified due to lack of data.

### Product:

Acute dermal toxicity : Acute toxicity estimate: > 5,000 mg/kg  
Method: Calculation method

### Components:

#### Amines, C11-14-branched alkyl, monohexyl and dihexyl phosphates:

Acute oral toxicity : LD50 (Rat, male and female): > 5,000 mg/kg  
Method: OECD Test Guideline 401  
GLP: Yes

Acute dermal toxicity : LD50 (Rat, male and female): > 2,000 mg/kg  
Method: OECD Test Guideline 402  
GLP: Yes  
Assessment: The substance or mixture has no acute dermal toxicity

#### Proprietary mercaptothiadiazole derivative:

Acute oral toxicity : LD50 (Rat, female): 6,176 mg/kg  
Method: OECD Test Guideline 401  
GLP: No information available.

LD50 (Rat, male): 10,250 mg/kg  
Method: OECD Test Guideline 401  
GLP: No information available.

Acute inhalation toxicity : LC50 (Rat, male and female): > 0.62 mg/l  
Exposure time: 4 h  
Test atmosphere: vapor  
Method: OECD Test Guideline 403  
GLP: No



# SAFETY DATA SHEET

## ADDITIN RC 3775



Version	Revision Date:	SDS Number:	Date of last issue: 11/13/2020
2.0	01/03/2025	203000012323	Country / Language: US / EN

---

Assessment: The substance or mixture has no acute inhalation toxicity

Remarks: Dosage caused no mortality

Acute dermal toxicity : LD50 (Rabbit, male and female): > 2,000 mg/kg  
Method: OECD Test Guideline 402  
GLP: No information available.  
Assessment: The substance or mixture has no acute dermal toxicity  
Remarks: Dosage caused no mortality

### Skin corrosion/irritation

Causes skin irritation.

#### Components:

##### **Amines, C11-14-branched alkyl, monoethyl and diethyl phosphates:**

Species : Rabbit  
Method : equivalent or similar to OECD Guideline 404  
Result : Irritating to skin.  
GLP : No

##### **Proprietary mercaptothiadiazole derivative:**

Species : Rabbit  
Method : OECD Test Guideline 404  
Result : Mild skin irritation  
GLP : No information available.

### Serious eye damage/eye irritation

Causes serious eye irritation.

#### Components:

##### **Amines, C11-14-branched alkyl, monoethyl and diethyl phosphates:**

Species : Rabbit  
Result : Irritating to eyes.  
Method : equivalent or similar to OECD Guideline 405  
GLP : No

##### **Proprietary mercaptothiadiazole derivative:**

Species : Rabbit  
Result : No eye irritation  
Method : OECD Test Guideline 405  
GLP : No information available.

# SAFETY DATA SHEET

## ADDITIN RC 3775



Version	Revision Date:	SDS Number:	Date of last issue: 11/13/2020
2.0	01/03/2025	203000012323	Country / Language: US / EN

---

### Respiratory or skin sensitization

#### Skin sensitization

May cause an allergic skin reaction.

#### Respiratory sensitization

Not classified due to lack of data.

#### Components:

##### Amines, C11-14-branched alkyl, monohexyl and dihexyl phosphates:

Test Type	:	Maximization Test
Routes of exposure	:	Skin contact
Species	:	Guinea pig
Method	:	equivalent or similar to OECD Guideline 406
Result	:	Did not cause sensitization on laboratory animals.
GLP	:	No

##### Proprietary mercaptothiadiazole derivative:

Test Type	:	Buehler Test
Routes of exposure	:	Skin contact
Species	:	Guinea pig
Method	:	OECD Test Guideline 406
Result	:	The product is a skin sensitiser, sub-category 1B.
GLP	:	Yes

### Germ cell mutagenicity

Not classified due to lack of data.

#### Components:

##### Amines, C11-14-branched alkyl, monohexyl and dihexyl phosphates:

Genotoxicity in vitro	:	Test Type: Ames test
		Test system: Salmonella typhimurium, Escherichia coli
		Metabolic activation: with and without metabolic activation
		Method: OECD Test Guideline 471
		Result: negative
		GLP: Yes

	:	Test Type: Chromosome aberration test in vitro
		Test system: Chinese hamster lung cells
		Metabolic activation: with and without metabolic activation
		Method: OECD Test Guideline 473
		Result: negative
		GLP: Yes

	:	Test Type: In vitro mammalian cell gene mutation test
		Test system: Chinese hamster lung cells
		Metabolic activation: with and without metabolic activation

# SAFETY DATA SHEET

## ADDITIN RC 3775



Version	Revision Date:	SDS Number:	Date of last issue: 11/13/2020
2.0	01/03/2025	203000012323	Country / Language: US / EN

---

Method: OECD Test Guideline 476  
Result: negative  
GLP: Yes

### Proprietary mercaptothiadiazole derivative:

Genotoxicity in vitro : Test Type: Ames test  
Test system: Salmonella typhimurium  
Metabolic activation: with and without metabolic activation  
Method: OECD Test Guideline 471  
Result: negative  
GLP: No

Test Type: Ames test  
Test system: Escherichia coli  
Metabolic activation: with and without metabolic activation  
Method: OECD Test Guideline 471  
Result: negative  
GLP: No

Test Type: Chromosome aberration test in vitro  
Test system: Chinese hamster fibroblasts  
Metabolic activation: with and without metabolic activation  
Method: OECD Test Guideline 473  
Result: negative  
GLP: Yes  
Remarks: Test results on an analogous substance/product.

Test Type: In vitro mammalian cell gene mutation test  
Test system: mouse lymphoma cells  
Metabolic activation: with and without metabolic activation  
Method: OECD Test Guideline 476  
Result: negative  
GLP: Yes  
Remarks: Test results on an analogous substance/product.

### Carcinogenicity

Not classified due to lack of data.

<b>IARC</b>	No ingredient of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
<b>OSHA</b>	No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.
<b>NTP</b>	No ingredient of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

# SAFETY DATA SHEET

## ADDITIN RC 3775



Version	Revision Date:	SDS Number:	Date of last issue: 11/13/2020
2.0	01/03/2025	203000012323	Country / Language: US / EN

---

### Reproductive toxicity

Not classified due to lack of data.

### Components:

#### Amines, C11-14-branched alkyl, monoheptyl and diheptyl phosphates:

Effects on fertility : Test Type: Screening test  
Species: Rat, male and female  
Application Route: Oral  
Dose: 0 - 10 - 30 - 100 mg/kg bw/day  
General Toxicity Parent: LOAEL: 10 mg/kg bw/day  
Fertility: NOAEL: 100 mg/kg bw/day  
Early Embryonic Development: NOAEL: 100 mg/kg bw/day  
Method: OECD Test Guideline 422  
Result: No effects on fertility and early embryonic development were detected.  
GLP: Yes

#### Proprietary mercaptothiadiazole derivative:

Effects on fertility : Test Type: reproductive and developmental toxicity study  
Species: Rat, male and female  
Application Route: Oral  
Dose: 0-50-250-1000 milligram per kilogram  
General Toxicity Parent: NOAEL: 1,000 mg/kg bw/day  
Fertility: NOAEL: 1,000 mg/kg bw/day  
Early Embryonic Development: NOAEL: 1,000 mg/kg bw/day  
Method: OECD Test Guideline 421  
Result: No effects on fertility and early embryonic development were detected.  
GLP: Yes  
Remarks: Test results on an analogous substance/product.

### STOT-single exposure

Not classified due to lack of data.

### STOT-repeated exposure

Causes damage to organs (lymph node) through prolonged or repeated exposure.

### Components:

#### Amines, C11-14-branched alkyl, monoheptyl and diheptyl phosphates:

Target Organs : lymph node  
Assessment : The substance or mixture is classified as specific target organ toxicant, repeated exposure, category 1.

# SAFETY DATA SHEET

## ADDITIN RC 3775



Version	Revision Date:	SDS Number:	Date of last issue: 11/13/2020
2.0	01/03/2025	203000012323	Country / Language: US / EN

---

### Repeated dose toxicity

#### Components:

##### **Amines, C11-14-branched alkyl, monohexyl and dihexyl phosphates:**

Species	: Rat, male and female
NOAEL	: 4 mg/kg
LOAEL	: 20 mg/kg
Application Route	: Oral
Exposure time	: 90 d
Number of exposures	: daily
Dose	: 0 - 1- 4 - 20 mg/kg bw/day
Method	: OECD Test Guideline 408
GLP	: Yes
Remarks	: Subchronic toxicity

Species	: Rat, male and female
LOAEL	: 10 mg/kg
Application Route	: Oral
Number of exposures	: daily
Dose	: 0 - 10 - 30 - 100 mg/kg bw/day
Method	: OECD Test Guideline 422
GLP	: Yes

##### **Proprietary mercaptothiadiazole derivative:**

Species	: Rat, male and female
NOAEL	: 200 mg/kg
LOAEL	: 1,000 mg/kg
Application Route	: Oral
Exposure time	: 28 Days
Number of exposures	: daily
Dose	: 0-50-200-1000 mg/kg bw/day
Method	: OECD Test Guideline 407
GLP	: Yes
Remarks	: Subacute toxicity Test results on an analogous substance/product.

### Aspiration toxicity

Not classified due to lack of data.

---

## SECTION 12. ECOLOGICAL INFORMATION

### Ecotoxicity

#### Components:

##### **Amines, C11-14-branched alkyl, monohexyl and dihexyl phosphates:**

Toxicity to fish	: LC50 (Oncorhynchus mykiss (rainbow trout)): 5.5 mg/l
------------------	--

# SAFETY DATA SHEET

## ADDITIN RC 3775



Version	Revision Date:	SDS Number:	Date of last issue: 11/13/2020
2.0	01/03/2025	203000012323	Country / Language: US / EN

---

Exposure time: 96 h  
Test Type: static test  
Analytical monitoring: No  
Method: OECD Test Guideline 203  
GLP: No  
Remarks: Fresh water  
nominal concentration

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): > 1 mg/l  
End point: Immobilization  
Exposure time: 48 h  
Test Type: static test  
Analytical monitoring: No  
Method: OECD Test Guideline 202  
GLP: No  
Remarks: Fresh water  
nominal concentration

Toxicity to algae/aquatic plants : ErC50 (Raphidocelis subcapitata (freshwater green alga)): > 10 mg/l  
End point: Growth rate  
Exposure time: 72 h  
Test Type: static test  
Analytical monitoring: Yes  
Method: OECD Test Guideline 201  
GLP: Yes  
Remarks: Fresh water  
nominal concentration

EC10 (Raphidocelis subcapitata (freshwater green alga)): 4.9 mg/l  
End point: Growth rate  
Exposure time: 72 h  
Test Type: static test  
Analytical monitoring: Yes  
Method: OECD Test Guideline 201  
GLP: Yes  
Remarks: Fresh water  
nominal concentration

NOEC (Raphidocelis subcapitata (freshwater green alga)): 3.2 mg/l  
End point: Growth rate  
Exposure time: 72 h  
Test Type: static test  
Analytical monitoring: Yes  
Method: OECD Test Guideline 201  
GLP: Yes  
Remarks: Fresh water  
nominal concentration

# SAFETY DATA SHEET

## ADDITIN RC 3775



Version	Revision Date:	SDS Number:	Date of last issue: 11/13/2020
2.0	01/03/2025	203000012323	Country / Language: US / EN

---

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : NOEC (Daphnia magna (Water flea)): > 10 mg/l  
End point: Reproduction  
Exposure time: 22 d  
Test Type: semi-static test  
Analytical monitoring: Yes  
Method: OECD Test Guideline 211  
GLP: Yes  
Remarks: Fresh water  
nominal concentration

Toxicity to microorganisms : EC20 (activated sludge): > 100 mg/l  
End point: Respiration inhibition  
Exposure time: 3 h  
Test Type: static test  
Analytical monitoring: No  
Method: OECD Test Guideline 209  
GLP: No  
Remarks: Fresh water  
nominal concentration

EC50 (activated sludge): > 100 mg/l  
End point: Respiration inhibition  
Exposure time: 3 h  
Test Type: static test  
Analytical monitoring: No  
Method: OECD Test Guideline 209  
GLP: No  
Remarks: Fresh water  
nominal concentration

### Proprietary mercaptothiadiazole derivative:

Toxicity to fish : LL50 (Pimephales promelas (fathead minnow)): > 1,000 mg/l  
End point: mortality  
Exposure time: 96 h  
Test Type: static test  
Analytical monitoring: Yes  
Method: OECD Test Guideline 203  
GLP: Yes  
Remarks: nominal concentration  
water extractable fraction  
Test results on an analogous substance/product.

Toxicity to daphnia and other aquatic invertebrates : EL50 (Daphnia magna (Water flea)): 41 mg/l  
Exposure time: 48 h  
Test Type: static test  
Analytical monitoring: Yes  
Method: OECD Test Guideline 202  
GLP: Yes

# SAFETY DATA SHEET

## ADDITIN RC 3775



Version	Revision Date:	SDS Number:	Date of last issue: 11/13/2020
2.0	01/03/2025	203000012323	Country / Language: US / EN

---

Remarks: nominal concentration  
water extractable fraction  
Test results on an analogous substance/product.

Toxicity to algae/aquatic plants : EL50 (Raphidocelis subcapitata (freshwater green alga)): > 100 mg/l  
End point: Growth rate  
Exposure time: 72 h  
Test Type: static test  
Analytical monitoring: Yes  
Method: OECD Test Guideline 201  
GLP: Yes  
Remarks: nominal concentration  
water extractable fraction  
Test results on an analogous substance/product.

NOELR (Raphidocelis subcapitata (freshwater green alga)): 100 mg/l  
End point: Growth rate  
Exposure time: 72 h  
Test Type: static test  
Analytical monitoring: Yes  
Method: OECD Test Guideline 201  
GLP: Yes  
Remarks: nominal concentration  
water extractable fraction  
Test results on an analogous substance/product.

Toxicity to microorganisms : EC50 (Pseudomonas putida):  $\geq$  8,000 mg/l  
End point: Respiration inhibition  
Exposure time: 16 h  
Analytical monitoring: Yes  
Method: DIN 38 412 Part 8  
GLP: Yes  
Remarks: nominal concentration  
Test results on an analogous substance/product.

### Persistence and degradability

#### Components:

#### **Amines, C11-14-branched alkyl, monoethyl and diethyl phosphates:**

Biodegradability : aerobic  
Inoculum: activated sludge, non-adapted  
CO<sub>2</sub>  
Result: Not readily biodegradable.  
Biodegradation: 12 %  
Exposure time: 28 d  
Method: OECD Test Guideline 301B



# SAFETY DATA SHEET

## ADDITIN RC 3775



Version	Revision Date:	SDS Number:	Date of last issue: 11/13/2020
2.0	01/03/2025	203000012323	Country / Language: US / EN

---

GLP: No

Stability in water : Hydrolysis: < 10 %  
Method: OECD Test Guideline 111  
GLP: No  
Remarks: Hydrolyzes slowly on contact with water.

Hydrolysis: < 10 %  
Method: OECD Test Guideline 111  
GLP: No  
Remarks: Hydrolyzes slowly on contact with water.

### Proprietary mercaptothiadiazole derivative:

Biodegradability : Result: Not readily biodegradable.  
Biodegradation: 0 %  
Exposure time: 28 d  
Method: OECD Test Guideline 301C  
GLP: No

### Bioaccumulative potential

#### Components:

#### Amines, C11-14-branched alkyl, monoethyl and diethyl phosphates:

Bioaccumulation : Remarks: Does not significantly accumulate in organisms.

Partition coefficient: n-octanol/water : Remarks: No specific, relevant data available for assessment.

### Proprietary mercaptothiadiazole derivative:

Partition coefficient: n-octanol/water : log Pow: 6.67 (104 °F / 40 °C)  
pH: 2.47  
Method: OECD Test Guideline 117  
GLP: Yes

### Mobility in soil

No data available

### Other adverse effects

#### Product:

Additional ecological information : An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.  
Toxic to aquatic life with long lasting effects.

# SAFETY DATA SHEET

## ADDITIN RC 3775



Version	Revision Date:	SDS Number:	Date of last issue: 11/13/2020
2.0	01/03/2025	203000012323	Country / Language: US / EN

### SECTION 13. DISPOSAL CONSIDERATIONS

#### Disposal methods

RCRA - Resource Conservation and Recovery Authorization Act : If discarded in its purchased form, this product would not be a hazardous waste either by listing or by characteristic. However, under RCRA, it is the responsibility of the product user to determine at the time of disposal, whether a material containing the product or derived from the product should be classified as a hazardous waste. (40 CFR 261.20-24)

Waste from residues : The generation of waste should be avoided or minimized wherever possible.  
This material and its container must be disposed of in a safe way.  
Empty containers retain product residue; observe all precautions for product.  
Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.  
Waste disposal should be in accordance with existing federal, state, provincial and/or local environmental controls.

### SECTION 14. TRANSPORT INFORMATION

#### International Regulations

##### IATA-DGR

UN/ID No. : UN 3082  
Proper shipping name : Environmentally hazardous substance, liquid, n.o.s. (AMINES, C11-14-BRANCHED ALKYL, MONOHEXYL AND DIHEXYL PHOSPHATES)

Class : 9  
Packing group : III  
Labels : 9



Packing instruction (cargo aircraft) : 964 : 450.00 L  
Packing instruction (passenger aircraft) : 964 : 450.00 L  
Environmentally hazardous : yes

# SAFETY DATA SHEET

## ADDITIN RC 3775



Version	Revision Date:	SDS Number:	Date of last issue: 11/13/2020
2.0	01/03/2025	203000012323	Country / Language: US / EN



### IMDG-Code

UN number	:	UN 3082
UN proper shipping name	:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (AMINES, C11-14-BRANCHED ALKYL, MONOHEXYL AND DIHEXYL PHOSPHATES)
Class	:	9
Packing group	:	III
Labels	:	9
	:	



EmS Code	:	F-A, S-F
Marine pollutant	:	yes



### Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable for product as supplied.

### Domestic regulation

#### 49 CFR

UN/ID/NA number	:	UN 3082
Proper shipping name	:	Environmentally hazardous substance, liquid, n.o.s. (AMINES, C11-14-BRANCHED ALKYL, MONOHEXYL AND DIHEXYL PHOSPHATES)
Class	:	9
Packing group	:	III
Labels	:	9
	:	



ERG Code	:	171
Marine pollutant	:	yes

# SAFETY DATA SHEET

## ADDITIN RC 3775



Version	Revision Date:	SDS Number:	Date of last issue: 11/13/2020
2.0	01/03/2025	203000012323	Country / Language: US / EN



### Hazard and Handling Notes.

Environmentally hazardous substance.

Irritating to skin and eyes.

Keep separated from foodstuffs

The U.S. DOT regulations in 49 CFR 172.102 permit this material to ship as an Environmentally Hazardous Substance, Class 9, using Special Provision 146.

### Special precautions for user

The transport classification(s) provided herein are for informational purposes only, and solely based upon the properties of the unpackaged material as it is described within this Safety Data Sheet.

Transportation classifications may vary by mode of transportation, package sizes, and variations in regional or country regulations.

## SECTION 15. REGULATORY INFORMATION

### CERCLA Reportable Quantity

This material does not contain any components with a CERCLA RQ.

### SARA 302 Extremely Hazardous Substances Threshold Planning Quantity

This material does not contain any components with a section 302 EHS TPQ.

**SARA 311/312 Hazards** : Respiratory or skin sensitization  
Specific target organ toxicity (single or repeated exposure)  
Skin corrosion or irritation  
Serious eye damage or eye irritation

**SARA 313** : This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

### US State Regulations

#### Massachusetts Right To Know

No components are subject to the Massachusetts Right to Know Act.

#### Pennsylvania Right To Know

Amines, C11-14-branched alkyl, monohexyl and dihexyl phosphates	80939-62-4	70 - 90
1,3,4-Thiadiazole, 2,5-bis(tert-dodecylthio)-	59656-20-1	15 - 30
Proprietary mercaptothiadiazole derivative	Trade Secret	1 - 5

# SAFETY DATA SHEET

## ADDITIN RC 3775



Version	Revision Date:	SDS Number:	Date of last issue: 11/13/2020
2.0	01/03/2025	203000012323	Country / Language: US / EN

### California Prop. 65

This product does not contain any chemicals known to the State of California to cause cancer, birth, or any other reproductive defects.

### TSCA inventory

TSCA : All substances listed as active on the TSCA inventory

### TSCA list

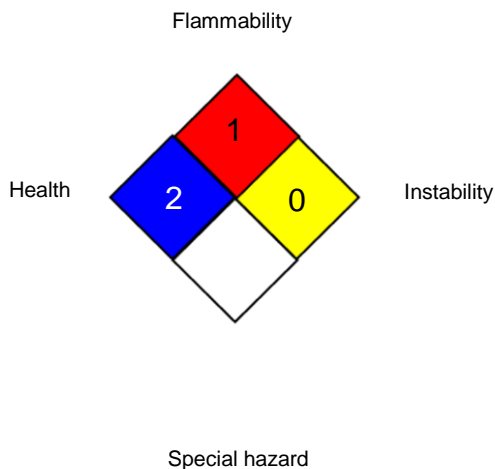
No substances are subject to a Significant New Use Rule.

No substances are subject to TSCA 12(b) export notification requirements.

## SECTION 16. OTHER INFORMATION

### Further information

#### NFPA 704:



#### HMIS® IV:

HEALTH	*	3
FLAMMABILITY		1
PHYSICAL HAZARD		0

HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. The "\*" represents a chronic hazard, while the "/" represents the absence of a chronic hazard.

### Full text of other abbreviations

AIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DOT - Department of Transportation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; EHS - Extremely Hazardous Substance; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good La-

# SAFETY DATA SHEET

## ADDITIN RC 3775



Version	Revision Date:	SDS Number:	Date of last issue: 11/13/2020
2.0	01/03/2025	203000012323	Country / Language: US / EN

---

boratory Practice; HMIS - Hazardous Materials Identification System; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; MSHA - Mine Safety and Health Administration; n.o.s. - Not Otherwise Specified; NFPA - National Fire Protection Association; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; RCRA - Resource Conservation and Recovery Act; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RQ - Reportable Quantity; SADT - Self-Accelerating Decomposition Temperature; SARA - Superfund Amendments and Reauthorization Act; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TECL - Thailand Existing Chemicals Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative

Revision Date : 01/03/2025

The data contained in this Safety Data Sheet are based on our current knowledge and experience and describe the product only with regard to safety requirements. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered to be a guidance for processing and does not contain any warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text. It is the responsibility of the recipient of the product to ensure that any proprietary rights and existing laws and legislation are observed.

Relevant changes from the previous version are marked on the left side of the Safety Data Sheet with a black double bar in appropriate places.