

# SAFETY DATA SHEET

## ADDITIN RC 3775



Version            Revision Date:            SDS Number:            Date of previous issue: 06/27/2018  
2.0                12/05/2020              103000010882            Country / Language: US / EN

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### SECTION 1. IDENTIFICATION

Product name                : ADDITIN RC 3775  
Material number             : 57812717  
Recommended use            : Additive for lubricants

#### Manufacturer or supplier's details

Supplier                     : LANXESS Corporation  
                                  Product Safety & Regulatory Affairs  
                                  111 RIDC Park West Drive  
                                  PittsburghPA 15275-1112  
                                  USA  
Telephone                    : +1800LANXESS  
                                  +14128091000 (international)  
Emergency telephone        : CHEMTREC (800) 424 9300  
                                  International (703) 527 3887  
                                  Lanxess Emergency Phone (800) 410-3063


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### 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

#### GHS label elements

Hazard pictograms            : 

Signal Word                  : Warning  
Hazard Statements            : Causes skin irritation.  
                                  Causes serious eye irritation.

Precautionary Statements   : **Prevention:**  
                                  Wash skin thoroughly after handling.  
                                  Wear protective gloves/ eye protection/ face protection.  
**Response:**

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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.  
If skin irritation occurs: Get medical advice/ attention.  
If eye irritation persists: Get medical advice/ attention.  
Take off contaminated clothing and wash before reuse.

### Hazard Not Otherwise Classified (HNOC)

None known.

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### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

#### Hazardous ingredients

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

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

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### SECTION 4. FIRST AID MEASURES

- If inhaled : Remove victim to fresh air and keep at rest in a position 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.
- Wash off with plenty of water.  
Remove contaminated clothing and shoes.  
Continue to rinse for at least 10 minutes.  
Wash contaminated clothing before re-use.  
Get medical attention.
- In case of eye contact : Rinse immediately with plenty of water, also under the eyelids, for at least 10 minutes.  
Remove contact lenses.  
Call a physician immediately.
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Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids.  
Remove contact lenses.  
Continue to rinse for at least 10 minutes.  
Get medical attention.

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.  
Causes serious eye irritation.

Protection of first-aiders : If potential for exposure exists refer to Section 8 for specific personal protective equipment.

Notes to physician : Treat symptomatically.

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### SECTION 5. FIRE-FIGHTING MEASURES

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>)  
Carbon monoxide

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Nitrogen oxides (NO<sub>x</sub>)  
phosphorus oxide (P<sub>2</sub>O<sub>5</sub>)  
Sulfur oxides

Further information : Standard procedure for chemical fires.  
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.  
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.

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### 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.  
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.

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### 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.

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Conditions for safe storage : Store in accordance with local regulations.  
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.  
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.  
Do not store in unlabeled containers.

Further information on storage stability : No decomposition if stored and applied as directed.

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### SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### Ingredients with workplace control parameters

Contains no substances with occupational exposure limit values.  
Hazardous components without workplace control parameters

#### Hazardous components without workplace control parameters

Components	CAS-No.
Amines, C11-14-branched alkyl, monohexyl and dihexyl phosphates	80939-62-4

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

Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

#### 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.  
NIOSH approved, air-purifying organic vapor respirator.

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.

#### Hand protection

Material : Nitrile rubber - NBR  
Wearing time : < 60 min

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Remarks : The suitability for a specific workplace should be discussed with the producers of the protective gloves. Gloves should be discarded and replaced if there is any indication of degradation or chemical breakthrough.

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.

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### SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state : liquid

Color : yellow

Odor : amine-like

Odor Threshold : No data available

pH : Not applicable

Melting point/freezing point : 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 (solid, gas) : No data available

Upper explosion limit / Upper flammability limit : No data available

Lower explosion 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)

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Water solubility : slightly soluble

Partition coefficient: n-octanol/water : No data available

Ignition temperature : No data available

Decomposition temperature : No data available

Viscosity : No data available

Explosive properties : No data available

Oxidizing properties : No data available

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### 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  
Acids and bases

Hazardous decomposition products : No hazardous decomposition products are known.

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### SECTION 11. TOXICOLOGICAL INFORMATION

The most important known symptoms and effects are described in Section 2 and/or Section 4.

#### Information on likely routes of exposure

Inhalation  
Eye contact  
Skin contact  
Ingestion

#### Acute toxicity

Not classified based on available information.

#### Product:

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

### **Components:**

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

Acute oral toxicity : LD50 (Rat): > 5,000 mg/kg  
Acute dermal toxicity : LD50 (Rat): > 5,000 mg/kg  
GLP: yes  
Remarks: Extrapolation according to Regulation (EC) No. 440/2008

### **Skin corrosion/irritation**

Causes skin irritation.

### **Components:**

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

Species: Rabbit  
Method: OECD Test Guideline 404  
Result: Irritating to skin.

### **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: OECD Test Guideline 405

### **Respiratory or skin sensitization**

#### **Skin sensitization**

Not classified based on available information.

#### **Respiratory sensitization**

Not classified based on available information.

### **Components:**

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

Routes of exposure: Skin contact  
Species: Guinea pig  
Method: OECD Test Guideline 406  
Result: Did not cause sensitization on laboratory animals.



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### **Germ cell mutagenicity**

Not classified based on available information.

### **Components:**

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

Genotoxicity in vitro : Test system: Bacteria  
Metabolic activation: with and without metabolic activation  
Method: OECD Test Guideline 471  
Result: negative

Test system: Mammalian-Animal  
Metabolic activation: with and without metabolic activation  
Method: OECD Test Guideline 476  
Result: negative

Test system: Mammalian-Animal  
Metabolic activation: with and without metabolic activation  
Method: OECD Test Guideline 473  
Result: negative

### **Carcinogenicity**

Not classified based on available information.

**IARC**      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.

**OSHA**      No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.

**NTP**      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.

### **Reproductive toxicity**

Not classified based on available information.

### **Components:**

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

Effects on fertility : Species: Rat, male and female  
Application Route: Oral  
Early Embryonic Development: NOAEL: 10 mg/kg body weight  
Symptoms: No effects on early embryonic development.  
Method: OECD Test Guideline 422

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### **STOT-single exposure**

Not classified based on available information.

### **STOT-repeated exposure**

Not classified based on available information.

### **Aspiration toxicity**

Not classified based on available information.

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## SECTION 12. ECOLOGICAL INFORMATION

### **Ecotoxicity**

#### **Components:**

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

- Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout)): 5.5 mg/l  
Exposure time: 96 h  
Method: OECD Test Guideline 203
- Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 1.2 mg/l  
Exposure time: 48 h  
Method: OECD Test Guideline 202
- Toxicity to algae : ErC50 (Pseudokirchneriella subcapitata (microalgae)): > 10 mg/l  
Exposure time: 72 h  
Method: OECD Test Guideline 201
- EC50 (Pseudokirchneriella subcapitata (algae)): > 10  
Exposure time: 72 h  
Method: OECD Test Guideline 201
- Toxicity to microorganisms : EC50 (activated sludge): > 100 mg/l  
Exposure time: 3 h  
Method: OECD Test Guideline 209

### **Persistence and degradability**

#### **Components:**

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

- Biodegradability : Result: Not readily biodegradable.  
Biodegradation: 12 %  
Exposure time: 28 d  
Method: OECD Test Guideline 301B
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### **Bioaccumulative potential**

No data available

### **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.

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## **SECTION 13. DISPOSAL CONSIDERATIONS**

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)

Disposal methods : 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.  
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.

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## **SECTION 14. TRANSPORT INFORMATION**

### **Domestic regulation**

#### **DOT**

UN/ID/NA number : UN 3082  
Proper shipping name : Environmentally hazardous substance, liquid, n.o.s.

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(AMINES, C11-14-BRANCHED ALKYL, MONOHEXYL AND DIHEXYL PHOSPHATES)  
Class : 9  
Packing group : III  
Labels : 9



Marine pollutant : yes



Further information for transport : 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.

### 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



#### IMDG-Code

UN number : UN 3082  
Proper shipping name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID,

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Class : N.O.S.  
(AMINES, C11-14-BRANCHED ALKYL, MONOHEXYL AND  
DIHEXYL PHOSPHATES)  
Packing group : 9  
Labels : III  
: 9  
:



Marine pollutant : yes



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

Not applicable for product as supplied.

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### SECTION 15. REGULATORY INFORMATION

#### CERCLA

None

#### 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** : 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
2,5-bis(tert-dodecyldithio)-1,3,4-thiadiazole	59656-20-1	>= 15 - < 30
Proprietary mercaptothiadiazole derivative	Trade Secret	>= 1 - < 5

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### California Prop. 65

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

### TSCA inventory

TSCA : On TSCA Inventory

### TSCA list

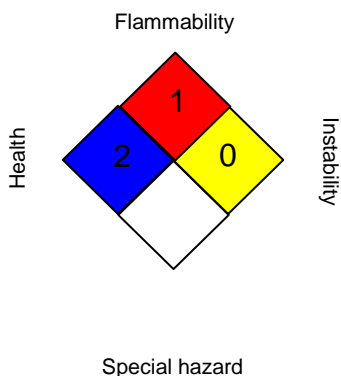
No substances are subject to a Significant New Use Rule.

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

## SECTION 16. OTHER INFORMATION

### Further information

#### NFPA:



#### HMIS® IV:

HEALTH	/	2
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.

LANXESS' method of hazard communication is comprised of Product Labels and Safety Data Sheets. HMIS and NFPA ratings are provided by LANXESS as a customer service.

Revision Date : 12/05/2020

This information is furnished without warranty, express or implied. This information is believed to be accurate to the best knowledge of our knowledge. The information provided in this Safety Data Sheet (SDS) is correct to the best of our knowledge, information and belief at the date of its publication. We assume no legal responsibility for use of or reliance upon the information in this SDS.