



[Handwritten signature]
[Handwritten name]

Interoffice Communication

To Bill Broddle, Carl Kerfoot

From Tom Grumbles

Date December 22, 1981

Subject TOXICOLOGICAL TESTING

Enclosed are approval letters to proceed with the testing of CDR 101, 550L and 600L, and the 550L and 600L Sulfonates. Please take steps to proceed with the testing.

[Handwritten signature]
Thomas G. Grumbles

ajo

Enclosure

CCR 000001609



1981

File OCTAC

Interoffice Communication

To J. G. Doppen
From T. G. Grumbles
Date December 17, 1981
Subject TOXICOLOGY TESTING OF CDR 101

To: T. Grumbles

By this letter I am requesting approval to proceed with toxicology testing of CDR 101.

The Toxicology Assessment Committee has reviewed the specifications for the reformulated CDR product. Due to the process solvent change this product is significantly different from the first CDR and the toxicology testing results for CDR cannot be extrapolated for use with CDR 101. A full acute testing screen would be necessary. Approximate cost of this screen is \$4,500.

Thomas G. Grumbles

ajo

Approved

RECEIVED
INDUSTRIAL CHEMICALS

DEC 18 '81

RJA	_____
JGD	_____
LLL	_____
RAK	_____
JAT	_____
CDB	_____
JSB	_____
LAH	_____
FILE	_____
F-UP	_____

CCR 000001610



1935

Interoffice Communication

To Wayne Hilgers
From Tom Grumbles
Date December 17, 1981
Subject TOXICOLOGY TESTING FOR 550L, 600L and Sulfonates

File - CCTAC
RECEIVED
DEC 18 1981
SURFACTANT CHEM.

By this letter I am requesting your approval to proceed with toxicological testing of 550L, 600L, 550L Sulfonate, and 600L Sulfonate.

It is my understanding that the toxicology testing needs for the subject chemicals have been discussed with you. These needs have been reviewed by the Toxicology Assessment Committee. The committee has determined a complete acute testing screen is necessary for 550L and 600L and a complete screen without an inhalation study is needed for 550L Sulfonate and 600L Sulfonate produced in Ponca City. Approximate costs for a full screen are \$4,500, and a screen without inhalation is approximately \$2,200.


Thomas G. Grumbles

ajo

cc Carl Kerfoot
Bill Groves
Bill Broddle

cc

WJBU

He
12/15/81

CCR 000001611



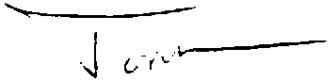
Jim Reddy

Interoffice Communication

To Paul Fetzer
From Tom Grumbles
Date December 17, 1981
Subject WRITTEN DETERMINATIONS FOR "UNKNOWNNS"

As we have discussed, I support your effort to do written determinations for the previously unidentified chemicals which routinely appear on your chromatographic analysis of air samples. I have reviewed the list of chemicals identified by Ponca City in TSR NO. 2153-81-839-1. The chemicals identified with applicable exposure limits, generally have TLV's greater than 100 ppm, and in many cases greater than 500 ppm. Also, as I understand from our discussions measured levels of these chemicals are in the 1-10 ppm range. I am not aware of any special health effects or other toxicological properties of the identified chemicals that would warrant continued routine monitoring.

For these reasons, as stated, I encourage your effort to do written determinations of these identified unknowns. Please let me know if you wish to discuss this further.


Thomas G. Grumbles

ajo

cc Steve Ashby

LC UCM W/AT



*Jim
Readers*

Interoffice Communication

To Wayne Hilgers
From Tom Grumbles
Date December 17, 1981
Subject TOXICOLOGY TESTING FOR 550L, 600L and Sulfonates

By this letter I am requesting your approval to proceed with toxicological testing of 550L, 600L, 550L Sulfonate, and 600L Sulfonate.

It is my understanding that the toxicology testing needs for the subject chemicals have been discussed with you. These needs have been reviewed by the Toxicology Assessment Committee. The committee has determined a complete acute testing screen is necessary for 550L and 600L and a complete screen without an inhalation study is needed for 550L Sulfonate and 600L Sulfonate produced in Ponca City. Approximate costs for a full screen are \$4,500, and a screen without inhalation is approximately \$2,200.



Thomas G. Grumbles

ajo

cc Carl Kerfoot
Bill Groves
Bill Broddle

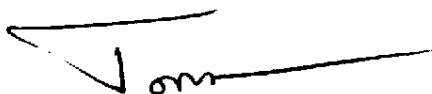
CCR 000001613

Interoffice Communication

To J. G. Dopper
From T. G. Grumbles
Date December 17, 1981
Subject TOXICOLOGY TESTING OF CDR 101

By this letter I am requesting approval to proceed with toxicology testing of CDR 101.

The Toxicology Assessment Committee has reviewed the specifications for the reformulated CDR product. Due to the process solvent change this product is significantly different from the first CDR and the toxicology testing results for CDR cannot be extrapolated for use with CDR 101. A full acute testing screen would be necessary. Approximate cost of this screen is \$4,500.



Thomas G. Grumbles

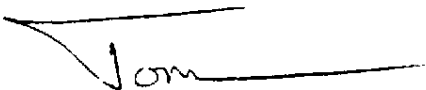
ajo

Interoffice Communication

To Louis Legendre, Keith Fogg
From Tom Grumbles
Date December 17, 1981
Subject INDUSTRIAL HYGIENE AUDIT OF THE LCCP

This letter is to confirm your participation in the subject audit to be done on January 20, 21, and 22. The audit will begin the morning of the 20th and should conclude by 2:00 p.m. on the 22nd.

Please let me know what your travel plans are.



Thomas G. Grumbles

ajo



*Jim
Leader*

Interoffice Communication

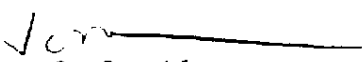
To Bill Broddle, Carl Kerfoot

From Tom Grumbles

Date December 22, 1981

Subject TOXICOLOGICAL TESTING

Enclosed are approval letters to proceed with the testing of CDR 101, 550L and 600L, and the 550L and 600L Sulfonates. Please take steps to proceed with the testing.


Thomas G. Grumbles

ajo

Enclosure

CCR 000001616



1984

File CCTAC

Interoffice Communication

To J. G. Doppen
From T. G. Grumbles
Date December 17, 1981
Subject TOXICOLOGY TESTING OF CDR 101

To: T. Grumbles

By this letter I am requesting approval to proceed with toxicology testing of CDR 101.

The Toxicology Assessment Committee has reviewed the specifications for the reformulated CDR product. Due to the process solvent change this product is significantly different from the first CDR and the toxicology testing results for CDR cannot be extrapolated for use with CDR 101. A full acute testing screen would be necessary. Approximate cost of this screen is \$4,500.

Thomas G. Grumbles

ajo

Approved

RECEIVED
INDUSTRIAL CHEMICALS

DEC 18 '81

RJA	_____
JGD	_____
LLL	_____
RAK	_____
JAT	_____
CDB	_____
JSB	_____
LAH	_____
FILE	_____
F-UP	_____

CCR 000001617



1938

Interoffice Communication

To Wayne Hilgers
From Tom Grumbles
Date December 17, 1981
Subject TOXICOLOGY TESTING FOR 550L, 600L and Sulfonates

File - CCTPC
RECEIVED
DEC 18 1981
SURFACTANT CHEM.

By this letter I am requesting your approval to proceed with toxicological testing of 550L, 600L, 550L Sulfonate, and 600L Sulfonate.

It is my understanding that the toxicology testing needs for the subject chemicals have been discussed with you. These needs have been reviewed by the Toxicology Assessment Committee. The committee has determined a complete acute testing screen is necessary for 550L and 600L and a complete screen without an inhalation study is needed for 550L Sulfonate and 600L Sulfonate produced in Ponca City. Approximate costs for a full screen are \$4,500, and a screen without inhalation is approximately \$2,200.


Thomas G. Grumbles

ajo

cc Carl Kerfoot
Bill Groves
Bill Broddle

cc
WSBV

He
Hilgers
12/15/81

CCR 000001618



Jim Redden

Interoffice Communication

To Paul Fetzner

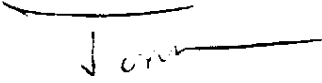
From Tom Grumbles

Date December 17, 1981

Subject WRITTEN DETERMINATIONS FOR "UNKNOWNNS"

As we have discussed, I support your effort to do written determinations for the previously unidentified chemicals which routinely appear on your chromatographic analysis of air samples. I have reviewed the list of chemicals identified by Ponca City in TSR NO. 2153-81-839-1. The chemicals identified with applicable exposure limits, generally have TLV's greater than 100 ppm, and in many cases greater than 500 ppm. Also, as I understand from our discussions measured levels of these chemicals are in the 1-10 ppm range. I am not aware of any special health effects or other toxicological properties of the identified chemicals that would warrant continued routine monitoring.

For these reasons, as stated, I encourage your effort to do written determinations of these identified unknowns. Please let me know if you wish to discuss this further.


Thomas G. Grumbles

ajo

cc Steve Ashby

L3 UCM w/HH



*Jim
Hilgers*

Interoffice Communication

To Wayne Hilgers
From Tom Grumbles
Date December 17, 1981
Subject TOXICOLOGY TESTING FOR 550L, 600L and Sulfonates

By this letter I am requesting your approval to proceed with toxicological testing of 550L, 600L, 550L Sulfonate, and 600L Sulfonate.

It is my understanding that the toxicology testing needs for the subject chemicals have been discussed with you. These needs have been reviewed by the Toxicology Assessment Committee. The committee has determined a complete acute testing screen is necessary for 550L and 600L and a complete screen without an inhalation study is needed for 550L Sulfonate and 600L Sulfonate produced in Ponca City. Approximate costs for a full screen are \$4,500, and a screen without inhalation is approximately \$2,200.



Thomas G. Grumbles

ajo

cc Carl Kerfoot
Bill Groves
Bill Broddle

CCR 000001620