

CLASSIFICATION: 09 60 13 Flooring Adhesives - Flooring Treatment & Adhesives

PRODUCT DESCRIPTION: General Information FA1100 is a white, water-based, solvent-free and non-flammable adhesive formulated to provide an exceptional bond for installing tile, rubber and vinyl-backed flooring over porous and nonporous surfaces substrates. Use indoors on wood and concrete substrates, cementitious underlayments and underlayment boards. FA1100 is suitable for installations on, above, or below grade.

Section 1: Summary

Nested Method / Material Threshold

CONTENT INVENTORY

Inventory Reporting Format

- Nested Materials Method
 Basic Method

Threshold Disclosed Per

- Material
 Product

Threshold level

- 100 ppm
 1,000 ppm
 Per GHS SDS
 Per OSHA MSDS
 Other

Residuals/Impurities

Residuals/Impurities
Considered in 0 of 1 Materials

Explanation(s) provided
for Residuals/Impurities?

- Yes No

Are All Substances Above the Threshold Indicated:

Characterized Yes No

Percent Weight and Role Provided?

Screened Yes No

Using Priority Hazard Lists with Results Disclosed?

Identified Yes No

Name and Identifier Provided?

CONTENT IN DESCENDING ORDER OF QUANTITY

Summary of product contents and results from screening individual chemical substances against HPD Priority Hazard Lists and the GreenScreen for Safer Chemicals®. The HPD does not assess whether using or handling this product will expose individuals to its chemical substances or any health risk. Refer to Section 2 for further details.

MATERIAL | SUBSTANCE | RESIDUAL OR IMPURITY

GREENSCREEN SCORE | HAZARD TYPE

FA1100 FLOOR TILE ADHESIVE | WATER BM-4 | HIGH-IMPACT POLYSTYRENE LT-UNK | KAOLIN CLAY LT-UNK | CAN PHENOL, POLYMER WITH 2,6,6-TRIMETHYLBICYCLO[3.1.1]HEPT-2-ENE LT-UNK | PARAFFIN OIL LT-UNK | RES HYDROXYPROPYL METHYL CELLULOSE LT-UNK | TRIETHANOLAMINE LT-P1 | RES | END SILOXANES AND SILICONES, DI-ME, REACTION PRODUCTS WITH SILICA LT-UNK | DIETHYLENE GLYCOL LT-P1 | END POTASSIUM HYDROXIDE 45% LT-P1 | SKI POLYOXYETHYLENE BRANCHED C9 ALKYLPHENOL ETHER BM-1tp | PBT | END | MUL | REP | AQU | DEV PROPYLENE OXIDE BM-1 | CAN | GEN | PHY | MAM | EYE | MUL | SKI ETHYLENE OXIDE BM-1 | RES | CAN | DEV | REP | PHY | SKI | EYE | MAM | GEN | MUL | END 1,4-DIOXANE LT-1 | CAN | PHY | EYE | MUL SOLVENT NAPHTHA (PETROLEUM), MEDIUM ALIPHATIC LT-P1 | MAM | END ANATASE TITANIUM DIOXIDE LT-1 | CAN CELLULOSE, MICROCRYSTALLINE NoGS POLYCARBOXYLIC ACID, SODIUM SALT NoGS SODIUM CHLORIDE LT-UNK ALCOHOLS, TALLOW, ETHOXYLATED LT-UNK ETHANOL, 2-(HYDROXYMETHYLAMINO)- LT-P1 | MUL 1,4-DIISOBUTYL-1,4-DIMETHYLBUTYNEEDIOL LT-UNK AMMONIA LT-P1 | RES | AQU | SKI | MAM | END | MUL 1,2,4-TRIMETHYLBENZENE BM-2 | AQU | SKI | EYE | MUL POTASSIUM HYDROXIDE LT-P1 | SKI CHROMIUM (III) COMPOUNDS LT-UNK | SKI BIOCIDAL COATINGS / BIOCIDAL ADDITIVES (GADSL LIST) NoGS AZOCOLLOURANTS AND AZODYES NoGS BIOCIDES NoGS ANTIMICROBIALS NoGS BIOCIDAL COATINGS / BIOCIDAL ADDITIVES (GADSL LIST) NoGS AZOCOLLOURANTS AND AZODYES NoGS BIOCIDES NoGS ANTIMICROBIALS NoGS CHROMIUM (III) COMPOUNDS LT-UNK | SKI CHROMIUM COMPOUNDS NoGS CHROMIUM COMPOUNDS NoGS DESTILADOS DE PETROLEO LT-UNK DISTILLATES (PETROLEUM), HYDROTREATED (MILD) HEAVY NAPHTHENIC (9CI); LT-1 | PBT | CAN | MUL HYDROCARBONS, C EQUAL OR GREATER THAN 20, PETROLEUM WASTES LT-UNK PETROLEUM DISTILLATES NoGS DISTILLATES (PETROLEUM), HYDROTREATED (MILD) LIGHT NAPHTHENIC (9CI) LT-1 | CAN | MUL LUBRICATING OILS (PETROLEUM), C15-30, HYDROTREATED

Number of Greenscreen BM-4/BM3 contents ... 1

Contents highest concern GreenScreen
Benchmark or List translator Score ... BM-1

Nanomaterial ... No

INVENTORY AND SCREENING NOTES:

N/A

NEUTRAL OIL-BASED LT-1 | CAN | MUL LUBRICATING OILS (PETROLEUM), VARIOUS TREATED, EXTRACTED FRACIONS; BASEOIL - UNSPECIFIED NoGS DISTILLATES (PETROLEUM), HYDROTREATED LIGHT PARAFFINIC LT-1 | CAN | MUL DOCOSANE NoGS EICOSANE LT-UNK HENEICOSANE NoGS HEPTACOSANE NoGS HEXACOSANE NoGS HEXADECANE LT-UNK N-HEPTADECANE LT-UNK N-PENTADECANE LT-UNK NONACOSANE NoGS NONADECANE NoGS OCTACOSANE NoGS OCTADECANE NoGS PENTACOSANE NoGS TETRACOSANE NoGS TRIACONTANE NoGS TRICOSANE NoGS DISTILLATES (PETROLEUM), HYDROTREATED MIDDLE LT-1 | CAN | MUL 2-METHYLTRIDECANE NoGS AROMATIC HYDROCARBONS, C12-20 LT-UNK | SKI N-TETRADECANE LT-UNK N-TRIDECANE LT-UNK NONYLCYCLOHEXANE NoGS DISTILLATES (PETROLEUM), SOLVENT DEWAXED LIGHT PARAFFINIC DISTILLATE LT-1 | CAN | MUL DISTILLATES (PETROLEUM), SOLVENT-REFINED (MILD) HEAVY NAPHTHENIC (9C)) LT-1 | PBT | CAN | MUL CYCLOEICOSANE NoGS CYCLOTRIACONTANE NoGS DISTILLATES (PETROLEUM), SOLVENT-REFINED (MILD) HEAVY PARAFFINIC (9C)) LT-1 | CAN | MUL DIMETHYL SULFOXIDE LT-P1 | DEV SLACK WAX (PETROLEUM) LT-1 | CAN | MUL PARAFFIN LT-UNK WHITE MINERAL OIL LT-UNK PARAFFIN OIL LT-UNK | RES DISTILLATES (PETROLEUM), SOLVENT-REFINED (MILD) LIGHT NAPHTHENIC (9C)) LT-1 | PBT | CAN | MUL DISTILLATES (PETROLEUM), SOLVENT-REFINED (MILD) LIGHT PARAFFINIC (9C)) LT-1 | CAN | MUL HYDROTREATED HEAVY PARAFFINIC PETROLEUM DISTILLATES (MINERAL OIL) LT-1 | CAN | MUL LUBRICATING OILS (PETROLEUM), C20-50, HYDROTREATED NEUTRAL OIL-BASED LT-1 | CAN | MUL LUBRICATING OILS (PETROLEUM), C20-50, HYDROTREATED NEUTRAL OIL-BASED, HIGH-VISCOSITY LT-1 | CAN | MUL RESIDUAL OILS, PETROLEUM, SOLVENT DEASPHALTED LT-1 | PBT | CAN | MUL RESIDUAL OILS (PETROLEUM), TREATED NoGS RESIDUAL OILS, PETROLEUM, SOLVENT-DEWAXED LT-1 | PBT | CAN | MUL SOLVENT-DEWAXED HEAVY PARAFFINIC PETROLEUM DISTILLATES LT-1 | CAN | MUL FURFURAL LT-P1 | MAM | SKI | EYE | CAN | MUL SLACK WAX (PETROLEUM), TREATED SLACK WAX NoGS POLYBUTADIENE LT-UNK ALUMINUM OXIDE LT-P1 | RES ALUMINUM COMPOUNDS LT-UNK | RES ANATASE TITANIUM DIOXIDE LT-1 | CAN | TITANIUM DIOXIDE COMPOUNDS LT-1 | CAN | CALCIUM OXIDE LT-P1 | DIPOTASSIUM OXIDE LT-UNK FERROUS OXIDE LT-UNK | CAN FERRIC OXIDE BM-2 | CAN IRON OXIDES (MAK LIST OF 4) LT-UNK | CAN MAGNESIUM OXIDE LT-UNK | CAN SILICA, AMORPHOUS LT-P1 | CAN AMORPHOUS SILICA SUBGROUPS (MAK LIST) LT-UNK PHOSPHORUS PENTOXIDE LT-P1 | SKI QUARTZ LT-1 | CAN CRYSTALLINE SILICAS - RESPIRABLE LT-1 | CAN TITANIUM DIOXIDE LT-1 | CAN | END POTASSIUM HYDROXIDE LT-P1 | SKI IRON LT-P1 | END SODIUM HYDROXIDE LT-P1 | SKI | PHY SILVER BM-1 | MUL ETHYLBENZENE BM-2 | CAN | PHY | MAM | REP | SKI ALUMINUM CHLORIDE, BASIC LT-UNK TOLUENE LT-1 | DEV | REP | PHY | MAM | SKI | END | MUL XYLENES BM-1 | SKI | END | MUL | REP XYLENE COMPOUNDS LT-UNK]

VOLATILE ORGANIC COMPOUND (VOC) CONTENT

CERTIFICATIONS AND COMPLIANCE See Section 3 for additional listings.

VOC emissions: RFCI FloorScore
VOC emissions: CDPH Standard Method V1.1 (Section 01350/CHPS) - Classroom & Office scenario

CONSISTENCY WITH OTHER PROGRAMS

No pre-checks completed or disclosed.

Third Party Verified?

- Yes
 No

PREPARER: Self-Prepared

VERIFIER:

VERIFICATION #:

SCREENING DATE: 2018-04-27

PUBLISHED DATE: 2018-04-27

EXPIRY DATE: 2021-04-27



Section 2: Content in Descending Order of Quantity

This section lists contents in a product based on specific threshold(s) and reports detailed health information including hazards. This HPD uses the inventory method indicated above, which is one of three possible methods:

- Basic Inventory method with Product-level threshold.
- Nested Material Inventory method with Product-level threshold
- Nested Material Inventory method with individual Material-level thresholds

Definitions and requirements for the three inventory methods and requirements for each data field can be found in the HPD Open Standard version 2.1, available on the HPDC website at: www.hpd-collaborative.org/hpd-2-1-standard

FA1100 FLOOR TILE ADHESIVE

%: 100.0000 - 100.0000

HPD URL: <http://www.fritztile.com>

MATERIAL THRESHOLD: 100 ppm

RESIDUALS AND IMPURITIES CONSIDERED: No

RESIDUALS AND IMPURITIES NOTES: Residuals only considered if above threshold.

OTHER MATERIAL NOTES: Manufacturer has opted for the basic inventory display – chemical substances are listed by weight in the entire product instead of grouped by material.

WATER

ID: 7732-18-5

%: 29.8400 - 39.7800

GS: BM-4

RC: None

NANO: No

ROLE: Water

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Total water used for all adhesive materials

HIGH-IMPACT POLYSTYRENE

ID: 9003-55-8

%: 18.4300 - 25.6800

GS: LT-UNK

RC: None

NANO: No

ROLE: Adhesive

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Component of BUTONOL NS 104 & BUTOFAN 222

KAOLIN CLAY

ID: 1332-58-7

%: 16.5200 - 18.3500

GS: LT-UNK

RC: None

NANO: No

ROLE: Thickener

HAZARDS:

AGENCY(IES) WITH WARNINGS:

CANCER

MAK

Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification

SUBSTANCE NOTES: Component of ASP NC Clay

PHENOL, POLYMER WITH 2,6,6-TRIMETHYLBICYCLO[3.1.1]HEPT-2-ENE

ID: 25359-84-6

#: **14.1600 - 14.1600** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Resin Dispersion**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: **Component of TR-501**

PARAFFIN OIL

ID: 8012-95-1

#: **0.9900 - 0.9900** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Resin Dispersion**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

RESPIRATORY

AOEC - Asthmagens

Asthmagen (G) - generally accepted

SUBSTANCE NOTES: **Component of TR-501**

HYDROXYPROPYL METHYL CELLULOSE

ID: 9004-65-3

#: **0.8200 - 0.9100** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Enhances rheology**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: **Component of WALOCEL MK 3000 PF**

TRIETHANOLAMINE

ID: 102-71-6

#: **0.2200 - 0.2200** GS: **LT-P1** RC: **None** NANO: **No** ROLE: **Resin Dispersion**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

RESPIRATORY

AOEC - Asthmagens

Asthmagen (Rs) - sensitizer-induced

ENDOCRINE

TEDX - Potential Endocrine Disruptors

Potential Endocrine Disruptor

SUBSTANCE NOTES: **Component of TR-501**

SILOXANES AND SILICONES, DI-ME, REACTION PRODUCTS WITH SILICA

ID: 67762-90-7

#: **0.2000 - 0.5900** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Adhesive**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Component of BUTONOL NS 104

DIETHYLENE GLYCOL

ID: 111-46-6

#: **0.1900 - 0.5600** GS: **LT-P1** RC: **None** NANO: **No** ROLE: **Pigment**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

ENDOCRINE

TEDX - Potential Endocrine Disruptors

Potential Endocrine Disruptor

SUBSTANCE NOTES: Component of W-308

POTASSIUM HYDROXIDE 45%

ID: 1310-58-3

#: **0.1800 - 0.2000** GS: **LT-P1** RC: **None** NANO: **No** ROLE: **Reactive agent**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

SKIN IRRITATION

EU - GHS (H-Statements)

H314 - Causes severe skin burns and eye damage

SUBSTANCE NOTES: Component of CAUSTIC POTASH

POLYOXYETHYLENE BRANCHED C9 ALKYLPHENOL ETHER

ID: 68412-54-4

#: **0.1500 - 0.1500** GS: **BM-1tp** RC: **None** NANO: **No** ROLE: **Emulsifier**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

PBT

OSPAR - Priority PBTs & EDs & equivalent concern

PBT - Chemical for Priority Action

ENDOCRINE

OSPAR - Priority PBTs & EDs & equivalent concern

Endocrine Disruptor - Chemical for Priority Action

RESTRICTED LIST

US EPA - PPT Chemical Action Plans

EPA Chemical of Concern - Action Plan published

RESTRICTED LIST

US EPA - PPT Chemical Action Plans

TSCA Work Plan chemical - Action Plan in development

ENDOCRINE

ChemSec - SIN List

Endocrine Disruption

ENDOCRINE

TEDX - Potential Endocrine Disruptors

Potential Endocrine Disruptor

REPRODUCTIVE

US EPA - PPT Chemical Action Plans

Reproductive effects

CHRON AQUATIC

US EPA - PPT Chemical Action Plans

Highly toxic to aquatic organisms

DEVELOPMENTAL

US EPA - PPT Chemical Action Plans

Developmental Effects

SUBSTANCE NOTES: IGEPAL CO 660

#: **0.1300 - 0.2000** GS: **BM-1** RC: **None** NANO: **No** ROLE: **Defoamer**

HAZARDS:	AGENCY(IES) WITH WARNINGS:	
CANCER	US EPA - IRIS Carcinogens	(1986) Group B2 - Probable human Carcinogen
CANCER	IARC	Group 2B - Possibly carcinogenic to humans
CANCER	CA EPA - Prop 65	Carcinogen
CANCER	US CDC - Occupational Carcinogens	Occupational Carcinogen
CANCER	US NIH - Report on Carcinogens	Reasonably Anticipated to be Human Carcinogen
CANCER	EU - SVHC Authorisation List	Carcinogenic - Candidate list
GENE MUTATION	EU - SVHC Authorisation List	Mutagenic - Candidate list
PHYSICAL HAZARD (REACTIVE)	EU - GHS (H-Statements)	H224 - Extremely flammable liquid and vapour
MAMMALIAN	EU - GHS (H-Statements)	H311 - Toxic in contact with skin
EYE IRRITATION	EU - GHS (H-Statements)	H319 - Causes serious eye irritation
MAMMALIAN	EU - GHS (H-Statements)	H331 - Toxic if inhaled
GENE MUTATION	EU - GHS (H-Statements)	H340 - May cause genetic defects
CANCER	EU - GHS (H-Statements)	H350 - May cause cancer
CANCER	EU - REACH Annex XVII CMRs	Carcinogen Category 2 - Substances which should be regarded as if they are Carcinogenic to man
GENE MUTATION	EU - REACH Annex XVII CMRs	Mutagen Category 2 - Substances which should be regarded as if they are Mutagenic to man
MULTIPLE	ChemSec - SIN List	CMR - Carcinogen, Mutagen &/or Reproductive Toxicant
MULTIPLE	German FEA - Substances Hazardous to Waters	Class 3 - Severe Hazard to Waters
CANCER	MAK	Carcinogen Group 4 - Non-genotoxic carcinogen with low risk under MAK/BAT levels
SKIN SENSITIZE	MAK	Sensitizing Substance Sh - Danger of skin sensitization
MAMMALIAN	US EPA - EPCRA Extremely Hazardous Substances	Extremely Hazardous Substances
CANCER	Korea - GHS	Carcinogenicity - Category 1 [H350 - May cause cancer]
GENE MUTATION	Korea - GHS	Germ cell mutagenicity - Category 1 [H340 - May cause genetic defects]
CANCER	EU - Annex VI CMRs	Carcinogen Category 1B - Presumed Carcinogen based on animal evidence
GENE MUTATION	EU - Annex VI CMRs	Mutagen - Category 1B
GENE MUTATION	New Zealand - GHS	6.6A - Known or presumed human mutagens
GENE MUTATION	Malaysia - GHS	H340 - May cause genetic defects
CANCER	Malaysia - GHS	H350 - May cause cancer

GENE MUTATION	Australia - GHS	H340 - May cause genetic defects
CANCER	Australia - GHS	H350 - May cause cancer

SUBSTANCE NOTES: Component BYK-023, % content estimated from SDS

ETHYLENE OXIDE

ID: 75-21-8

%: 0.0700 - 0.1300	GS: BM-1	RC: None	NANO: No	ROLE: Defoamer
HAZARDS:	AGENCY(IES) WITH WARNINGS:			
RESPIRATORY	AOEC - Asthmagens	Asthmagen (Rr) - irritant-induced		
CANCER	IARC	Group 1 - Agent is Carcinogenic to humans		
CANCER	CA EPA - Prop 65	Carcinogen		
DEVELOPMENTAL	CA EPA - Prop 65	Developmental toxicity		
REPRODUCTIVE	CA EPA - Prop 65	Reproductive Toxicity - Female		
REPRODUCTIVE	CA EPA - Prop 65	Reproductive Toxicity - Male		
CANCER	US CDC - Occupational Carcinogens	Occupational Carcinogen		
CANCER	US NIH - Report on Carcinogens	Known to be a human Carcinogen		
PHYSICAL HAZARD (REACTIVE)	EU - GHS (H-Statements)	H220 - Extremely flammable gas		
SKIN IRRITATION	EU - GHS (H-Statements)	H315 - Causes skin irritation		
EYE IRRITATION	EU - GHS (H-Statements)	H319 - Causes serious eye irritation		
MAMMALIAN	EU - GHS (H-Statements)	H331 - Toxic if inhaled		
GENE MUTATION	EU - GHS (H-Statements)	H340 - May cause genetic defects		
CANCER	EU - GHS (H-Statements)	H350 - May cause cancer		
CANCER	EU - REACH Annex XVII CMRs	Carcinogen Category 2 - Substances which should be regarded as if they are Carcinogenic to man		
GENE MUTATION	EU - REACH Annex XVII CMRs	Mutagen Category 2 - Substances which should be regarded as if they are Mutagenic to man		
MULTIPLE	ChemSec - SIN List	CMR - Carcinogen, Mutagen &/or Reproductive Toxicant		
ENDOCRINE	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor		
MULTIPLE	German FEA - Substances Hazardous to Waters	Class 3 - Severe Hazard to Waters		
CANCER	MAK	Carcinogen Group 2 - Considered to be carcinogenic for man		
MAMMALIAN	US EPA - EPCRA Extremely Hazardous Substances	Extremely Hazardous Substances		
CANCER	Korea - GHS	Carcinogenicity - Category 1 [H350 - May cause cancer]		
GENE MUTATION	Korea - GHS	Germ cell mutagenicity - Category 1 [H340 - May cause genetic defects]		

CANCER	EU - Annex VI CMRs	Carcinogen Category 1B - Presumed Carcinogen based on animal evidence
GENE MUTATION	EU - Annex VI CMRs	Mutagen - Category 1B
GENE MUTATION	New Zealand - GHS	6.6A - Known or presumed human mutagens
CANCER	New Zealand - GHS	6.7A - Known or presumed human carcinogens
REPRODUCTIVE	New Zealand - GHS	6.8A - Known or presumed human reproductive or developmental toxicants
CANCER	Japan - GHS	Carcinogenicity - Category 1A
GENE MUTATION	Japan - GHS	Germ cell mutagenicity - Category 1B
REPRODUCTIVE	Japan - GHS	Toxic to reproduction - Category 1B
GENE MUTATION	MAK	Germ Cell Mutagen 2
GENE MUTATION	Malaysia - GHS	H340 - May cause genetic defects
CANCER	Malaysia - GHS	H350 - May cause cancer
GENE MUTATION	Australia - GHS	H340 - May cause genetic defects
CANCER	Australia - GHS	H350 - May cause cancer

SUBSTANCE NOTES: Component BYK-023, % content estimated from SDS

1,4-DIOXANE

ID: 123-91-1

#: **0.0700 - 0.1300** GS: **LT-1** RC: **None** NANO: **No** ROLE: **Defoamer**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

CANCER	US EPA - IRIS Carcinogens	(2005) Likely to be Carcinogenic to humans
CANCER	IARC	Group 2B - Possibly carcinogenic to humans
CANCER	CA EPA - Prop 65	Carcinogen
CANCER	US CDC - Occupational Carcinogens	Occupational Carcinogen
CANCER	US NIH - Report on Carcinogens	Reasonably Anticipated to be Human Carcinogen
PHYSICAL HAZARD (REACTIVE)	EU - GHS (H-Statements)	H225 - Highly flammable liquid and vapour
EYE IRRITATION	EU - GHS (H-Statements)	H319 - Causes serious eye irritation
CANCER	EU - GHS (H-Statements)	H351 - Suspected of causing cancer
MULTIPLE	German FEA - Substances Hazardous to Waters	Class 2 - Hazard to Waters
RESTRICTED LIST	US EPA - PPT Chemical Action Plans	TSCA Work Plan chemical - ongoing chemical (risk) assessment
CANCER	MAK	Carcinogen Group 4 - Non-genotoxic carcinogen with low risk under MAK/BAT levels
CANCER	New Zealand - GHS	6.7A - Known or presumed human carcinogens

SOLVENT NAPHTHA (PETROLEUM), MEDIUM ALIPHATIC

ID: 64742-88-7

%: **0.0700 - 0.5900** GS: **LT-P1** RC: **None** NANO: **No** ROLE: **Solvent**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

MAMMALIAN	EU - GHS (H-Statements)	H304 - May be fatal if swallowed and enters airways
ORGAN TOXICANT	EU - GHS (H-Statements)	H372 - Causes damage to organs through prolonged or repeated exposure
ENDOCRINE	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor

SUBSTANCE NOTES: Mineral spirits

ANATASE TITANIUM DIOXIDE

ID: 1317-70-0

%: **0.0600 - 0.3700** GS: **LT-1** RC: **None** NANO: **No** ROLE: **Thickener**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

CANCER	US CDC - Occupational Carcinogens	Occupational Carcinogen
CANCER	CA EPA - Prop 65	Carcinogen - specific to chemical form or exposure route
CANCER	IARC	Group 2B - Possibly carcinogenic to humans - inhaled from occupational sources
CANCER	MAK	Carcinogen Group 3A - Evidence of carcinogenic effects but not sufficient to establish MAK/BAT value

SUBSTANCE NOTES: Component of ASP NC Clay

CELLULOSE, MICROCRYSTALLINE

ID: 9004-34-6

%: **0.0200 - 0.0200** GS: **NoGS** RC: **None** NANO: **No** ROLE: **Thickening agent**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found	No warnings found on HPD Priority lists
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SUBSTANCE NOTES: Natrosol Plus 330 PA

POLYCARBOXYLIC ACID, SODIUM SALT

ID: 62601-60-9

%: **0.0100 - 0.0200** GS: **NoGS** RC: **None** NANO: **No** ROLE: **Dispersant agent**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found	No warnings found on HPD Priority lists
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SUBSTANCE NOTES: RHODALINE 111

SODIUM CHLORIDE

ID: 7647-14-5

#: **0.0100 - 0.0300** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Enhances rheology**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Component of WALOCEL MK 3000 PF

ALCOHOLS, TALLOW, ETHOXYLATED

ID: 61791-28-4

#: **0.0100 - 0.0300** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Defoamer**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Component of BYK-023

ETHANOL, 2-(HYDROXYMETHYLAMINO)-

ID: 34375-28-5

#: **0.0100 - 0.2500** GS: **LT-P1** RC: **None** NANO: **No** ROLE: **Bactericides**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

MULTIPLE

German FEA - Substances Hazardous to Waters

Class 2 - Hazard to Waters

SUBSTANCE NOTES: Mergal 174 TRYSOAN 174

1,4-DIISOBUTYL-1,4-DIMETHYLBUTYNEEDIOL

ID: 126-86-3

#: **0.0000 - 0.1900** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Pigment**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Component of W-308

AMMONIA

ID: 7664-41-7

#: **0.0000 - 0.0100** GS: **LT-P1** RC: **None** NANO: **No** ROLE: **Pigment**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

RESPIRATORY	AOEC - Asthmagens	Asthmagen (Rr) - irritant-induced
ACUTE AQUATIC	EU - GHS (H-Statements)	H400 - Very toxic to aquatic life
SKIN IRRITATION	EU - GHS (H-Statements)	H314 - Causes severe skin burns and eye damage
MAMMALIAN	EU - GHS (H-Statements)	H331 - Toxic if inhaled
ENDOCRINE	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor
MULTIPLE	German FEA - Substances Hazardous to Waters	Class 2 - Hazard to Waters
MAMMALIAN	US EPA - EPCRA Extremely Hazardous Substances	Extremely Hazardous Substances

SUBSTANCE NOTES: Component of W-308

1,2,4-TRIMETHYLBENZENE

ID: 95-63-6

#: **0.0000 - 0.0300** GS: **BM-2** RC: **None** NANO: **No** ROLE: **Solvent**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

CHRON AQUATIC	EU - GHS (H-Statements)	H411 - Toxic to aquatic life with long lasting effects
SKIN IRRITATION	EU - GHS (H-Statements)	H315 - Causes skin irritation
EYE IRRITATION	EU - GHS (H-Statements)	H319 - Causes serious eye irritation
MULTIPLE	German FEA - Substances Hazardous to Waters	Class 2 - Hazard to Waters

SUBSTANCE NOTES: Mineral spirits

POTASSIUM HYDROXIDE

ID: 1310-58-3

#: **Impurity/Residual** GS: **LT-P1** RC: **UNK** NANO: **No** ROLE: **Impurity/Residual**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

SKIN IRRITATION	EU - GHS (H-Statements)	H314 - Causes severe skin burns and eye damage
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SUBSTANCE NOTES: Imported from Pharos process chemistry research

CHROMIUM (III) COMPOUNDS

ID: Not registered

#: **Impurity/Residual** GS: **LT-UNK** RC: **UNK** NANO: **No** ROLE: **Impurity/Residual**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

SKIN SENSITIZE	MAK	Sensitizing Substance Sh - Danger of skin sensitization
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SUBSTANCE NOTES: Imported from Pharos process chemistry research

BIOCIDAL COATINGS / BIOCIDAL ADDITIVES (GADSL LIST)

ID: **Not registered**

#: **Impurity/Residual** GS: **NoGS** RC: **UNK** NANO: **No** ROLE: **Impurity/Residual**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Imported from Pharos process chemistry research

AZOCOLLOURANTS AND AZODYES

ID: **Not registered**

#: **Impurity/Residual** GS: **NoGS** RC: **UNK** NANO: **No** ROLE: **Impurity/Residual**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Imported from Pharos process chemistry research

BIOCIDES

ID: **Not registered**

#: **Impurity/Residual** GS: **NoGS** RC: **UNK** NANO: **No** ROLE: **Impurity/Residual**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Imported from Pharos process chemistry research

ANTIMICROBIALS

ID: **Not registered**

#: **Impurity/Residual** GS: **NoGS** RC: **UNK** NANO: **No** ROLE: **Impurity/Residual**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Imported from Pharos process chemistry research

BIOCIDAL COATINGS / BIOCIDAL ADDITIVES (GADSL LIST)

ID: **Not registered**

#: **Impurity/Residual** GS: **NoGS** RC: **UNK** NANO: **No** ROLE: **Impurity/Residual**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Imported from Pharos process chemistry research

AZOCOLOURANTS AND AZODYES

ID: **Not registered**

#: **Impurity/Residual** GS: **NoGS** RC: **UNK** NANO: **No** ROLE: **Impurity/Residual**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Imported from Pharos process chemistry research

BIOCIDES

ID: **Not registered**

#: **Impurity/Residual** GS: **NoGS** RC: **UNK** NANO: **No** ROLE: **Impurity/Residual**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Imported from Pharos process chemistry research

ANTIMICROBIALS

ID: **Not registered**

#: **Impurity/Residual** GS: **NoGS** RC: **UNK** NANO: **No** ROLE: **Impurity/Residual**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Imported from Pharos process chemistry research

CHROMIUM (III) COMPOUNDS

ID: **Not registered**

#: **Impurity/Residual** GS: **LT-UNK** RC: **UNK** NANO: **No** ROLE: **Impurity/Residual**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

SKIN SENSITIZE

MAK

Sensitizing Substance Sh - Danger of skin sensitization

SUBSTANCE NOTES: Imported from Pharos process chemistry research

CHROMIUM COMPOUNDS

ID: **Not registered**

#: **Impurity/Residual** GS: **NoGS** RC: **UNK** NANO: **No** ROLE: **Impurity/Residual**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Imported from Pharos process chemistry research

CHROMIUM COMPOUNDS

ID: **Not registered**

#: **Impurity/Residual** GS: **NoGS** RC: **UNK** NANO: **No** ROLE: **Impurity/Residual**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Imported from Pharos process chemistry research

DESTILADOS DE PETROLEO

ID: **64741-44-2**

#: **Impurity/Residual** GS: **LT-UNK** RC: **UNK** NANO: **No** ROLE: **Impurity/Residual**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Imported from Pharos process chemistry research

DISTILLATES (PETROLEUM), HYDROTREATED (MILD) HEAVY NAPHTHENIC (9CI);

ID: **64742-52-5**

#: **Impurity/Residual** GS: **LT-1** RC: **UNK** NANO: **No** ROLE: **Impurity/Residual**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

PBT	EC - CEPA DSL	Persistent, Bioaccumulative and inherently Toxic (PBiTH) to humans
CANCER	EU - GHS (H-Statements)	H350 - May cause cancer
CANCER	EU - REACH Annex XVII CMRs	Carcinogen Category 2 - Substances which should be regarded as if they are Carcinogenic to man
MULTIPLE	ChemSec - SIN List	CMR - Carcinogen, Mutagen &/or Reproductive Toxicant
MULTIPLE	German FEA - Substances Hazardous to Waters	Class 3 - Severe Hazard to Waters
CANCER	EU - Annex VI CMRs	Carcinogen Category 1B - Presumed Carcinogen based on animal evidence
CANCER	Japan - GHS	Carcinogenicity - Category 1A
CANCER	Australia - GHS	H350 - May cause cancer

SUBSTANCE NOTES: Imported from Pharos process chemistry research

HYDROCARBONS, C EQUAL OR GREATER THAN 20, PETROLEUM WASTES

ID: **68476-53-9**

%: **Impurity/Residual**

GS: **LT-UNK**

RC: **UNK**

NANO: **No**

ROLE: **Impurity/Residual**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Imported from Pharos process chemistry research

PETROLEUM DISTILLATES

ID: **Not registered**

%: **Impurity/Residual**

GS: **NoGS**

RC: **UNK**

NANO: **No**

ROLE: **Impurity/Residual**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Imported from Pharos process chemistry research

DISTILLATES (PETROLEUM), HYDROTREATED (MILD) LIGHT NAPHTHENIC (9CI)

ID: **64742-53-6**

%: **Impurity/Residual**

GS: **LT-1**

RC: **UNK**

NANO: **No**

ROLE: **Impurity/Residual**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

CANCER

EU - GHS (H-Statements)

H350 - May cause cancer

CANCER

EU - REACH Annex XVII CMRs

Carcinogen Category 2 - Substances which should be regarded as if they are Carcinogenic to man

MULTIPLE

ChemSec - SIN List

CMR - Carcinogen, Mutagen &/or Reproductive Toxicant

CANCER

EU - Annex VI CMRs

Carcinogen Category 1B - Presumed Carcinogen based on animal evidence

CANCER

Australia - GHS

H350 - May cause cancer

SUBSTANCE NOTES: Imported from Pharos process chemistry research

LUBRICATING OILS (PETROLEUM), C15-30, HYDROTREATED NEUTRAL OIL-BASED

ID: **72623-86-0**

%: **Impurity/Residual**

GS: **LT-1**

RC: **UNK**

NANO: **No**

ROLE: **Impurity/Residual**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

CANCER

EU - GHS (H-Statements)

H350 - May cause cancer

CANCER

EU - REACH Annex XVII CMRs

Carcinogen Category 2 - Substances which should be regarded as if they are Carcinogenic to man

MULTIPLE

ChemSec - SIN List

CMR - Carcinogen, Mutagen &/or Reproductive Toxicant

MULTIPLE

German FEA - Substances Hazardous to Waters

Class 3 - Severe Hazard to Waters

CANCER	EU - Annex VI CMRs	Carcinogen Category 1B - Presumed Carcinogen based on animal evidence
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CANCER	Australia - GHS	H350 - May cause cancer
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SUBSTANCE NOTES: Imported from Pharos process chemistry research

LUBRICATING OILS (PETROLEUM), VARIOUS TREATED, EXTRACTED FRACTIONS; BASEOIL - UNSPECIFIED ID: **Not registered**

#: **Impurity/Residual** GS: **NoGS** RC: **UNK** NANO: **No** ROLE: **Impurity/Residual**

HAZARDS: AGENCY(IES) WITH WARNINGS:
None Found No warnings found on HPD Priority lists

SUBSTANCE NOTES: Imported from Pharos process chemistry research

DISTILLATES (PETROLEUM), HYDROTREATED LIGHT PARAFFINIC ID: **64742-55-8**

#: **Impurity/Residual** GS: **LT-1** RC: **UNK** NANO: **No** ROLE: **Impurity/Residual**

HAZARDS: AGENCY(IES) WITH WARNINGS:

CANCER	EU - GHS (H-Statements)	H350 - May cause cancer
CANCER	EU - REACH Annex XVII CMRs	Carcinogen Category 2 - Substances which should be regarded as if they are Carcinogenic to man
MULTIPLE	ChemSec - SIN List	CMR - Carcinogen, Mutagen &/or Reproductive Toxicant
CANCER	EU - Annex VI CMRs	Carcinogen Category 1B - Presumed Carcinogen based on animal evidence
CANCER	Australia - GHS	H350 - May cause cancer

SUBSTANCE NOTES: Imported from Pharos process chemistry research

DOCOSANE ID: **629-97-0**

#: **Impurity/Residual** GS: **NoGS** RC: **UNK** NANO: **No** ROLE: **Impurity/Residual**

HAZARDS: AGENCY(IES) WITH WARNINGS:
None Found No warnings found on HPD Priority lists

SUBSTANCE NOTES: Imported from Pharos process chemistry research

EICOSANE ID: **112-95-8**

#: **Impurity/Residual** GS: **LT-UNK** RC: **UNK** NANO: **No** ROLE: **Impurity/Residual**

HAZARDS: AGENCY(IES) WITH WARNINGS:

None Found No warnings found on HPD Priority lists

SUBSTANCE NOTES: Imported from Pharos process chemistry research

HENEICOSANE

ID: 629-94-7

#: **Impurity/Residual** GS: **NoGS** RC: **UNK** NANO: **No** ROLE: **Impurity/Residual**

HAZARDS: AGENCY(IES) WITH WARNINGS:

None Found No warnings found on HPD Priority lists

SUBSTANCE NOTES: Imported from Pharos process chemistry research

HEPTACOSANE

ID: 593-49-7

#: **Impurity/Residual** GS: **NoGS** RC: **UNK** NANO: **No** ROLE: **Impurity/Residual**

HAZARDS: AGENCY(IES) WITH WARNINGS:

None Found No warnings found on HPD Priority lists

SUBSTANCE NOTES: Imported from Pharos process chemistry research

HEXACOSANE

ID: 630-01-3

#: **Impurity/Residual** GS: **NoGS** RC: **UNK** NANO: **No** ROLE: **Impurity/Residual**

HAZARDS: AGENCY(IES) WITH WARNINGS:

None Found No warnings found on HPD Priority lists

SUBSTANCE NOTES: Imported from Pharos process chemistry research

HEXADECANE

ID: 544-76-3

#: **Impurity/Residual** GS: **LT-UNK** RC: **UNK** NANO: **No** ROLE: **Impurity/Residual**

HAZARDS: AGENCY(IES) WITH WARNINGS:

None Found No warnings found on HPD Priority lists

SUBSTANCE NOTES: Imported from Pharos process chemistry research

N-HEPTADECANE

ID: 629-78-7

#: **Impurity/Residual** GS: **LT-UNK** RC: **UNK** NANO: **No** ROLE: **Impurity/Residual**

HAZARDS: AGENCY(IES) WITH WARNINGS:

None Found No warnings found on HPD Priority lists

SUBSTANCE NOTES: Imported from Pharos process chemistry research

N-PENTADECANE

ID: 629-62-9

#: **Impurity/Residual** GS: **LT-UNK** RC: **UNK** NANO: **No** ROLE: **Impurity/Residual**

HAZARDS: AGENCY(IES) WITH WARNINGS:

None Found No warnings found on HPD Priority lists

SUBSTANCE NOTES: Imported from Pharos process chemistry research

NONACOSANE

ID: 630-03-5

#: **Impurity/Residual** GS: **NoGS** RC: **UNK** NANO: **No** ROLE: **Impurity/Residual**

HAZARDS: AGENCY(IES) WITH WARNINGS:

None Found No warnings found on HPD Priority lists

SUBSTANCE NOTES: Imported from Pharos process chemistry research

NONADECANE

ID: 629-92-5

#: **Impurity/Residual** GS: **NoGS** RC: **UNK** NANO: **No** ROLE: **Impurity/Residual**

HAZARDS: AGENCY(IES) WITH WARNINGS:

None Found No warnings found on HPD Priority lists

SUBSTANCE NOTES: Imported from Pharos process chemistry research

OCTACOSANE

ID: 630-02-4

#: **Impurity/Residual** GS: **NoGS** RC: **UNK** NANO: **No** ROLE: **Impurity/Residual**

HAZARDS: AGENCY(IES) WITH WARNINGS:

None Found No warnings found on HPD Priority lists

SUBSTANCE NOTES: Imported from Pharos process chemistry research

OCTADECANE

ID: 593-45-3

#: **Impurity/Residual** GS: **NoGS** RC: **UNK** NANO: **No** ROLE: **Impurity/Residual**

HAZARDS: AGENCY(IES) WITH WARNINGS:

None Found No warnings found on HPD Priority lists

SUBSTANCE NOTES: Imported from Pharos process chemistry research

PENTACOSANE

ID: 629-99-2

#: **Impurity/Residual** GS: **NoGS** RC: **UNK** NANO: **No** ROLE: **Impurity/Residual**

HAZARDS: AGENCY(IES) WITH WARNINGS:

None Found No warnings found on HPD Priority lists

SUBSTANCE NOTES: Imported from Pharos process chemistry research

TETRACOSANE

ID: 646-31-1

#: **Impurity/Residual** GS: **NoGS** RC: **UNK** NANO: **No** ROLE: **Impurity/Residual**

HAZARDS: AGENCY(IES) WITH WARNINGS:

None Found No warnings found on HPD Priority lists

SUBSTANCE NOTES: Imported from Pharos process chemistry research

TRIACONTANE

ID: 638-68-6

#: **Impurity/Residual** GS: **NoGS** RC: **UNK** NANO: **No** ROLE: **Impurity/Residual**

HAZARDS: AGENCY(IES) WITH WARNINGS:

None Found No warnings found on HPD Priority lists

SUBSTANCE NOTES: Imported from Pharos process chemistry research

TRICOSANE

ID: 638-67-5

#: **Impurity/Residual** GS: **NoGS** RC: **UNK** NANO: **No** ROLE: **Impurity/Residual**

HAZARDS: AGENCY(IES) WITH WARNINGS:

None Found No warnings found on HPD Priority lists

SUBSTANCE NOTES: Imported from Pharos process chemistry research

DISTILLATES (PETROLEUM), HYDROTREATED MIDDLE

ID: 64742-46-7

#: **Impurity/Residual** GS: **LT-1** RC: **UNK** NANO: **No** ROLE: **Impurity/Residual**

HAZARDS:	AGENCY(IES) WITH WARNINGS:	
CANCER	EU - GHS (H-Statements)	H350 - May cause cancer
CANCER	EU - REACH Annex XVII CMRs	Carcinogen Category 2 - Substances which should be regarded as if they are Carcinogenic to man
MULTIPLE	ChemSec - SIN List	CMR - Carcinogen, Mutagen &/or Reproductive Toxicant
MULTIPLE	German FEA - Substances Hazardous to Waters	Class 2 - Hazard to Waters
CANCER	EU - Annex VI CMRs	Carcinogen Category 1B - Presumed Carcinogen based on animal evidence
CANCER	Australia - GHS	H350 - May cause cancer

SUBSTANCE NOTES: Imported from Pharos process chemistry research

2-METHYLTRIDECANE

ID: 1560-96-9

#: **Impurity/Residual** GS: **NoGS** RC: **UNK** NANO: **No** ROLE: **Impurity/Residual**

HAZARDS: AGENCY(IES) WITH WARNINGS:

None Found No warnings found on HPD Priority lists

SUBSTANCE NOTES: Imported from Pharos process chemistry research

AROMATIC HYDROCARBONS, C12-20

ID: 70955-17-8

#: **Impurity/Residual** GS: **LT-UNK** RC: **UNK** NANO: **No** ROLE: **Impurity/Residual**

HAZARDS: AGENCY(IES) WITH WARNINGS:

SKIN SENSITIZE MAK Sensitizing Substance Sh - Danger of skin sensitization

SUBSTANCE NOTES: Imported from Pharos process chemistry research

N-TETRADECANE

ID: 629-59-4

#: **Impurity/Residual** GS: **LT-UNK** RC: **UNK** NANO: **No** ROLE: **Impurity/Residual**

HAZARDS: AGENCY(IES) WITH WARNINGS:

None Found No warnings found on HPD Priority lists

SUBSTANCE NOTES: Imported from Pharos process chemistry research

N-TRIDECANE

ID: 629-50-5

#: **Impurity/Residual** GS: **LT-UNK** RC: **UNK** NANO: **No** ROLE: **Impurity/Residual**

HAZARDS: AGENCY(IES) WITH WARNINGS:

None Found No warnings found on HPD Priority lists

SUBSTANCE NOTES: Imported from Pharos process chemistry research

NONYLCYCLOHEXANE

ID: 2883-02-5

Role: **Impurity/Residual** GS: **NoGS** RC: **UNK** NANO: **No**

HAZARDS: AGENCY(IES) WITH WARNINGS:

None Found No warnings found on HPD Priority lists

SUBSTANCE NOTES: Imported from Pharos process chemistry research

DISTILLATES (PETROLEUM), SOLVENT DEWAXED LIGHT PARAFFINIC DISTILLATE

ID: 64742-56-9

Role: **Impurity/Residual** GS: **LT-1** RC: **UNK** NANO: **No**

HAZARDS: AGENCY(IES) WITH WARNINGS:

CANCER EU - GHS (H-Statements) H350 - May cause cancer

CANCER EU - REACH Annex XVII CMRs Carcinogen Category 2 - Substances which should be regarded as if they are Carcinogenic to man

MULTIPLE ChemSec - SIN List CMR - Carcinogen, Mutagen &/or Reproductive Toxicant

CANCER EU - Annex VI CMRs Carcinogen Category 1B - Presumed Carcinogen based on animal evidence

CANCER Australia - GHS H350 - May cause cancer

SUBSTANCE NOTES: Imported from Pharos process chemistry research

DISTILLATES (PETROLEUM), SOLVENT-REFINED (MILD) HEAVY NAPHTHENIC (9CI)

ID: 64741-96-4

Role: **Impurity/Residual** GS: **LT-1** RC: **UNK** NANO: **No**

HAZARDS: AGENCY(IES) WITH WARNINGS:

PBT EC - CEPA DSL Persistent, Bioaccumulative and inherently Toxic (PBiTH) to humans

CANCER EU - GHS (H-Statements) H350 - May cause cancer

CANCER EU - REACH Annex XVII CMRs Carcinogen Category 2 - Substances which should be regarded as if they are Carcinogenic to man

MULTIPLE ChemSec - SIN List CMR - Carcinogen, Mutagen &/or Reproductive Toxicant

CANCER EU - Annex VI CMRs Carcinogen Category 1B - Presumed Carcinogen based on animal evidence

CANCER

Australia - GHS

H350 - May cause cancer

SUBSTANCE NOTES: Imported from Pharos process chemistry research

CYCLOEICOSANE

ID: 296-56-0

#: **Impurity/Residual** GS: **NoGS** RC: **UNK** NANO: **No** ROLE: **Impurity/Residual**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Imported from Pharos process chemistry research

CYCLOTRIACONTANE

ID: 297-35-8

#: **Impurity/Residual** GS: **NoGS** RC: **UNK** NANO: **No** ROLE: **Impurity/Residual**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Imported from Pharos process chemistry research

DISTILLATES (PETROLEUM), SOLVENT-REFINED (MILD) HEAVY PARAFFINIC (9CI)

ID: 64741-88-4

#: **Impurity/Residual** GS: **LT-1** RC: **UNK** NANO: **No** ROLE: **Impurity/Residual**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

CANCER

EU - GHS (H-Statements)

H350 - May cause cancer

CANCER

EU - REACH Annex XVII CMRs

Carcinogen Category 2 - Substances which should be regarded as if they are Carcinogenic to man

MULTIPLE

ChemSec - SIN List

CMR - Carcinogen, Mutagen &/or Reproductive Toxicant

CANCER

EU - Annex VI CMRs

Carcinogen Category 1B - Presumed Carcinogen based on animal evidence

CANCER

Australia - GHS

H350 - May cause cancer

SUBSTANCE NOTES: Imported from Pharos process chemistry research

DIMETHYL SULFOXIDE

ID: 67-68-5

#: **Impurity/Residual** GS: **LT-P1** RC: **UNK** NANO: **No** ROLE: **Impurity/Residual**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

SUBSTANCE NOTES: Imported from Pharos process chemistry research

SLACK WAX (PETROLEUM)

ID: 64742-61-6

%: Impurity/Residual	GS: LT-1	RC: UNK	NANO: No	ROLE: Impurity/Residual
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HAZARDS:

AGENCY(IES) WITH WARNINGS:

CANCER

EU - GHS (H-Statements)

H350 - May cause cancer

CANCER

EU - REACH Annex XVII CMRs

Carcinogen Category 2 - Substances which should be regarded as if they are Carcinogenic to man

MULTIPLE

ChemSec - SIN List

CMR - Carcinogen, Mutagen &/or Reproductive Toxicant

MULTIPLE

German FEA - Substances Hazardous to Waters

Class 3 - Severe Hazard to Waters

CANCER

EU - Annex VI CMRs

Carcinogen Category 1B - Presumed Carcinogen based on animal evidence

CANCER

Australia - GHS

H350 - May cause cancer

SUBSTANCE NOTES: Imported from Pharos process chemistry research

PARAFFIN

ID: 8002-74-2

%: Impurity/Residual	GS: LT-UNK	RC: UNK	NANO: No	ROLE: Impurity/Residual
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HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Imported from Pharos process chemistry research

WHITE MINERAL OIL

ID: 8042-47-5

%: Impurity/Residual	GS: LT-UNK	RC: UNK	NANO: No	ROLE: Impurity/Residual
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HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Imported from Pharos process chemistry research

PARAFFIN OIL

ID: 8012-95-1

%: Impurity/Residual	GS: LT-UNK	RC: UNK	NANO: No	ROLE: Impurity/Residual
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HAZARDS:

AGENCY(IES) WITH WARNINGS:

RESPIRATORY

AOEC - Asthmagens

Asthmagen (G) - generally accepted

SUBSTANCE NOTES: Imported from Pharos process chemistry research

DISTILLATES (PETROLEUM), SOLVENT-REFINED (MILD) LIGHT NAPHTHENIC (9CI)

ID: 64741-97-5

Role	GS	RC	NANO	ROLE
%: Impurity/Residual	LT-1	UNK	No	Impurity/Residual
HAZARDS:	AGENCY(IES) WITH WARNINGS:			
PBT	EC - CEPA DSL	Persistent, Bioaccumulative and inherently Toxic (PBiTH) to humans		
CANCER	EU - GHS (H-Statements)	H350 - May cause cancer		
CANCER	EU - REACH Annex XVII CMRs	Carcinogen Category 2 - Substances which should be regarded as if they are Carcinogenic to man		
MULTIPLE	ChemSec - SIN List	CMR - Carcinogen, Mutagen &/or Reproductive Toxicant		
CANCER	EU - Annex VI CMRs	Carcinogen Category 1B - Presumed Carcinogen based on animal evidence		
CANCER	Australia - GHS	H350 - May cause cancer		

SUBSTANCE NOTES: Imported from Pharos process chemistry research

DISTILLATES (PETROLEUM), SOLVENT-REFINED (MILD) LIGHT PARAFFINIC (9CI)

ID: 64741-89-5

Role	GS	RC	NANO	ROLE
%: Impurity/Residual	LT-1	UNK	No	Impurity/Residual
HAZARDS:	AGENCY(IES) WITH WARNINGS:			
CANCER	EU - GHS (H-Statements)	H350 - May cause cancer		
CANCER	EU - REACH Annex XVII CMRs	Carcinogen Category 2 - Substances which should be regarded as if they are Carcinogenic to man		
MULTIPLE	ChemSec - SIN List	CMR - Carcinogen, Mutagen &/or Reproductive Toxicant		
CANCER	EU - Annex VI CMRs	Carcinogen Category 1B - Presumed Carcinogen based on animal evidence		
CANCER	Australia - GHS	H350 - May cause cancer		

SUBSTANCE NOTES: Imported from Pharos process chemistry research

HYDROTREATED HEAVY PARAFFINIC PETROLEUM DISTILLATES (MINERAL OIL)

ID: 64742-54-7

Role	GS	RC	NANO	ROLE
%: Impurity/Residual	LT-1	UNK	No	Impurity/Residual

HAZARDS:	AGENCY(IES) WITH WARNINGS:	
CANCER	EU - GHS (H-Statements)	H350 - May cause cancer
CANCER	EU - REACH Annex XVII CMRs	Carcinogen Category 2 - Substances which should be regarded as if they are Carcinogenic to man
MULTIPLE	ChemSec - SIN List	CMR - Carcinogen, Mutagen &/or Reproductive Toxicant
CANCER	EU - Annex VI CMRs	Carcinogen Category 1B - Presumed Carcinogen based on animal evidence
CANCER	Australia - GHS	H350 - May cause cancer

SUBSTANCE NOTES: Imported from Pharos process chemistry research

LUBRICATING OILS (PETROLEUM), C20-50, HYDROTREATED NEUTRAL OIL-BASED

ID: 72623-87-1

%: Impurity/Residual	GS: LT-1	RC: UNK	NANO: No	ROLE: Impurity/Residual
HAZARDS:	AGENCY(IES) WITH WARNINGS:			
CANCER	EU - GHS (H-Statements)	H350 - May cause cancer		
CANCER	EU - REACH Annex XVII CMRs	Carcinogen Category 2 - Substances which should be regarded as if they are Carcinogenic to man		
MULTIPLE	ChemSec - SIN List	CMR - Carcinogen, Mutagen &/or Reproductive Toxicant		
MULTIPLE	German FEA - Substances Hazardous to Waters	Class 3 - Severe Hazard to Waters		
CANCER	EU - Annex VI CMRs	Carcinogen Category 1B - Presumed Carcinogen based on animal evidence		
CANCER	Australia - GHS	H350 - May cause cancer		

SUBSTANCE NOTES: Imported from Pharos process chemistry research

LUBRICATING OILS (PETROLEUM), C20-50, HYDROTREATED NEUTRAL OIL-BASED, HIGH-VISCOSITY

ID: 72623-85-9

%: Impurity/Residual	GS: LT-1	RC: UNK	NANO: No	ROLE: Impurity/Residual
HAZARDS:	AGENCY(IES) WITH WARNINGS:			
CANCER	EU - GHS (H-Statements)	H350 - May cause cancer		
CANCER	EU - REACH Annex XVII CMRs	Carcinogen Category 2 - Substances which should be regarded as if they are Carcinogenic to man		
MULTIPLE	ChemSec - SIN List	CMR - Carcinogen, Mutagen &/or Reproductive Toxicant		
CANCER	EU - Annex VI CMRs	Carcinogen Category 1B - Presumed Carcinogen based on animal evidence		
CANCER	Australia - GHS	H350 - May cause cancer		

SUBSTANCE NOTES: Imported from Pharos process chemistry research

RESIDUAL OILS, PETROLEUM, SOLVENT DEASPHALTED

ID: 64741-95-3

%: Impurity/Residual	GS: LT-1	RC: UNK	NANO: No	ROLE: Impurity/Residual
HAZARDS:	AGENCY(IES) WITH WARNINGS:			
PBT	EC - CEPA DSL	Persistent, Bioaccumulative and inherently Toxic (PBiTH) to humans		
CANCER	EU - GHS (H-Statements)	H350 - May cause cancer		
CANCER	EU - REACH Annex XVII CMRs	Carcinogen Category 2 - Substances which should be regarded as if they are Carcinogenic to man		
MULTIPLE	ChemSec - SIN List	CMR - Carcinogen, Mutagen &/or Reproductive Toxicant		
CANCER	EU - Annex VI CMRs	Carcinogen Category 1B - Presumed Carcinogen based on animal evidence		
CANCER	Australia - GHS	H350 - May cause cancer		

SUBSTANCE NOTES: Imported from Pharos process chemistry research

RESIDUAL OILS (PETROLEUM), TREATED

ID: **Not registered**

%: Impurity/Residual	GS: NoGS	RC: UNK	NANO: No	ROLE: Impurity/Residual
HAZARDS:	AGENCY(IES) WITH WARNINGS:			
None Found	No warnings found on HPD Priority lists			

SUBSTANCE NOTES: Imported from Pharos process chemistry research

RESIDUAL OILS, PETROLEUM, SOLVENT-DEWAXED

ID: 64742-62-7

%: Impurity/Residual	GS: LT-1	RC: UNK	NANO: No	ROLE: Impurity/Residual
HAZARDS:	AGENCY(IES) WITH WARNINGS:			
PBT	EC - CEPA DSL	Persistent, Bioaccumulative and inherently Toxic (PBiTH) to humans		
CANCER	EU - GHS (H-Statements)	H350 - May cause cancer		
CANCER	EU - REACH Annex XVII CMRs	Carcinogen Category 2 - Substances which should be regarded as if they are Carcinogenic to man		
MULTIPLE	ChemSec - SIN List	CMR - Carcinogen, Mutagen &/or Reproductive Toxicant		
CANCER	EU - Annex VI CMRs	Carcinogen Category 1B - Presumed Carcinogen based on animal evidence		
CANCER	Australia - GHS	H350 - May cause cancer		

SOLVENT-DEWAXED HEAVY PARAFFINIC PETROLEUM DISTILLATES

ID: 64742-65-0

HAZARDS:	AGENCY(IES) WITH WARNINGS:	
%: Impurity/Residual	GS: LT-1	RC: UNK NANO: No ROLE: Impurity/Residual
CANCER	EU - GHS (H-Statements)	H350 - May cause cancer
CANCER	EU - REACH Annex XVII CMRs	Carcinogen Category 2 - Substances which should be regarded as if they are Carcinogenic to man
MULTIPLE	ChemSec - SIN List	CMR - Carcinogen, Mutagen &/or Reproductive Toxicant
CANCER	EU - Annex VI CMRs	Carcinogen Category 1B - Presumed Carcinogen based on animal evidence
CANCER	Australia - GHS	H350 - May cause cancer

SUBSTANCE NOTES: Imported from Pharos process chemistry research

FURFURAL

ID: 98-01-1

HAZARDS:	AGENCY(IES) WITH WARNINGS:	
%: Impurity/Residual	GS: LT-P1	RC: UNK NANO: No ROLE: Impurity/Residual
MAMMALIAN	EU - GHS (H-Statements)	H301 - Toxic if swallowed
SKIN IRRITATION	EU - GHS (H-Statements)	H315 - Causes skin irritation
EYE IRRITATION	EU - GHS (H-Statements)	H319 - Causes serious eye irritation
MAMMALIAN	EU - GHS (H-Statements)	H331 - Toxic if inhaled
CANCER	EU - GHS (H-Statements)	H351 - Suspected of causing cancer
MULTIPLE	German FEA - Substances Hazardous to Waters	Class 2 - Hazard to Waters
CANCER	MAK	Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification

SUBSTANCE NOTES: Imported from Pharos process chemistry research

SLACK WAX (PETROLEUM), TREATED SLACK WAX

ID: Not registered

HAZARDS:	AGENCY(IES) WITH WARNINGS:	
%: Impurity/Residual	GS: NoGS	RC: UNK NANO: No ROLE: Impurity/Residual
None Found	No warnings found on HPD Priority lists	

POLYBUTADIENE

ID: 9003-17-2

#: **Impurity/Residual** GS: **LT-UNK** RC: **UNK** NANO: **No** ROLE: **Impurity/Residual**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Imported from Pharos process chemistry research

ALUMINUM OXIDE

ID: 1344-28-1

#: **Impurity/Residual** GS: **LT-P1** RC: **UNK** NANO: **No** ROLE: **Impurity/Residual**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

RESPIRATORY

AOEC - Asthmagens

Asthmagen (ARs) - sensitizer-induced - inhalable forms only

SUBSTANCE NOTES: Imported from Pharos process chemistry research

ALUMINUM COMPOUNDS

ID: Not registered

#: **Impurity/Residual** GS: **LT-UNK** RC: **UNK** NANO: **No** ROLE: **Impurity/Residual**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

RESPIRATORY

AOEC - Asthmagens

Asthmagen (ARs) - sensitizer-induced - inhalable forms only

SUBSTANCE NOTES: Imported from Pharos process chemistry research

ANATASE TITANIUM DIOXIDE

ID: 1317-70-0

#: **Impurity/Residual** GS: **LT-1** RC: **UNK** NANO: **No** ROLE: **Impurity/Residual**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

CANCER

US CDC - Occupational Carcinogens

Occupational Carcinogen

CANCER

CA EPA - Prop 65

Carcinogen - specific to chemical form or exposure route

CANCER

IARC

Group 2B - Possibly carcinogenic to humans - inhaled from occupational sources

CANCER

MAK

Carcinogen Group 3A - Evidence of carcinogenic effects but not sufficient to establish MAK/BAT value

SUBSTANCE NOTES: Imported from Pharos process chemistry research

TITANIUM DIOXIDE COMPOUNDSID: **Not registered**

%: Impurity/Residual	GS: LT-1	RC: UNK	NANO: No	ROLE: Impurity/Residual
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HAZARDS:

AGENCY(IES) WITH WARNINGS:

CANCER

US CDC - Occupational Carcinogens

Occupational Carcinogen

CANCER

CA EPA - Prop 65

Carcinogen - specific to chemical form or exposure route

CANCER

IARC

Group 2B - Possibly carcinogenic to humans - inhaled from occupational sources

CANCER

MAK

Carcinogen Group 3A - Evidence of carcinogenic effects but not sufficient to establish MAK/BAT value

SUBSTANCE NOTES: Imported from Pharos process chemistry research

CALCIUM OXIDEID: **1305-78-8**

%: Impurity/Residual	GS: LT-P1	RC: UNK	NANO: No	ROLE: Impurity/Residual
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HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Imported from Pharos process chemistry research

DIPOTASSIUM OXIDEID: **12136-45-7**

%: Impurity/Residual	GS: LT-UNK	RC: UNK	NANO: No	ROLE: Impurity/Residual
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HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Imported from Pharos process chemistry research

FERROUS OXIDEID: **1345-25-1**

%: Impurity/Residual	GS: LT-UNK	RC: UNK	NANO: No	ROLE: Impurity/Residual
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HAZARDS:

AGENCY(IES) WITH WARNINGS:

CANCER

MAK

Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification

SUBSTANCE NOTES: Imported from Pharos process chemistry research

FERRIC OXIDE

ID: 1309-37-1

%: Impurity/Residual	GS: BM-2	RC: UNK	NANO: No	ROLE: Impurity/Residual
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HAZARDS:

AGENCY(IES) WITH WARNINGS:

CANCER

MAK

Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification

SUBSTANCE NOTES: Imported from Pharos process chemistry research

IRON OXIDES (MAK LIST OF 4)

ID: Not registered

%: Impurity/Residual	GS: LT-UNK	RC: UNK	NANO: No	ROLE: Impurity/Residual
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HAZARDS:

AGENCY(IES) WITH WARNINGS:

CANCER

MAK

Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification

SUBSTANCE NOTES: Imported from Pharos process chemistry research

MAGNESIUM OXIDE

ID: 1309-48-4

%: Impurity/Residual	GS: LT-UNK	RC: UNK	NANO: No	ROLE: Impurity/Residual
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HAZARDS:

AGENCY(IES) WITH WARNINGS:

CANCER

MAK

Carcinogen Group 4 - Non-genotoxic carcinogen with low risk under MAK/BAT levels

SUBSTANCE NOTES: Imported from Pharos process chemistry research

SILICA, AMORPHOUS

ID: 7631-86-9

%: Impurity/Residual	GS: LT-P1	RC: UNK	NANO: No	ROLE: Impurity/Residual
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HAZARDS:

AGENCY(IES) WITH WARNINGS:

CANCER

Japan - GHS

Carcinogenicity - Category 1A

SUBSTANCE NOTES: Imported from Pharos process chemistry research

AMORPHOUS SILICA SUBGROUPS (MAK LIST)

ID: Not registered

%: Impurity/Residual	GS: LT-UNK	RC: UNK	NANO: No	ROLE: Impurity/Residual
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HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Imported from Pharos process chemistry research

PHOSPHORUS PENTOXIDE

ID: 1314-56-3

#: **Impurity/Residual** GS: **LT-P1** RC: **UNK** NANO: **No** ROLE: **Impurity/Residual**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

SKIN IRRITATION **EU - GHS (H-Statements)** **H314 - Causes severe skin burns and eye damage**

SUBSTANCE NOTES: Imported from Pharos process chemistry research

QUARTZ

ID: 14808-60-7

#: **Impurity/Residual** GS: **LT-1** RC: **UNK** NANO: **No** ROLE: **Impurity/Residual**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

CANCER **US CDC - Occupational Carcinogens** **Occupational Carcinogen**

CANCER **CA EPA - Prop 65** **Carcinogen - specific to chemical form or exposure route**

CANCER **IARC** **Group 1 - Agent is carcinogenic to humans - inhaled from occupational sources**

CANCER **US NIH - Report on Carcinogens** **Known to be Human Carcinogen (respirable size - occupational setting)**

CANCER **MAK** **Carcinogen Group 1 - Substances that cause cancer in man**

CANCER **New Zealand - GHS** **6.7A - Known or presumed human carcinogens**

CANCER **Australia - GHS** **H350 - May cause cancer**

CANCER **Japan - GHS** **Carcinogenicity - Category 1A**

SUBSTANCE NOTES: Imported from Pharos process chemistry research

CRYSTALLINE SILICAS - RESPIRABLE

ID: **Not registered**

#: **Impurity/Residual** GS: **LT-1** RC: **UNK** NANO: **No** ROLE: **Impurity/Residual**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

CANCER **CA EPA - Prop 65** **Carcinogen - specific to chemical form or exposure route**

CANCER **IARC** **Group 1 - Agent is carcinogenic to humans - inhaled from occupational sources**

CANCER **US NIH - Report on Carcinogens** **Known to be Human Carcinogen (respirable size - occupational setting)**

CANCER

MAK

Carcinogen Group 1 - Substances that cause cancer in man

SUBSTANCE NOTES: Imported from Pharos process chemistry research

TITANIUM DIOXIDE

ID: 13463-67-7

#: **Impurity/Residual** GS: **LT-1** RC: **UNK** NANO: **No** ROLE: **Impurity/Residual**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

CANCER

US CDC - Occupational Carcinogens

Occupational Carcinogen

CANCER

CA EPA - Prop 65

Carcinogen - specific to chemical form or exposure route

CANCER

IARC

Group 2B - Possibly carcinogenic to humans - inhaled from occupational sources

ENDOCRINE

TEDX - Potential Endocrine Disruptors

Potential Endocrine Disruptor

CANCER

MAK

Carcinogen Group 3A - Evidence of carcinogenic effects but not sufficient to establish MAK/BAT value

SUBSTANCE NOTES: Imported from Pharos process chemistry research

POTASSIUM HYDROXIDE

ID: 1310-58-3

#: **Impurity/Residual** GS: **LT-P1** RC: **UNK** NANO: **No** ROLE: **Impurity/Residual**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

SKIN IRRITATION

EU - GHS (H-Statements)

H314 - Causes severe skin burns and eye damage

SUBSTANCE NOTES: Imported from Pharos process chemistry research

IRON

ID: 7439-89-6

#: **Impurity/Residual** GS: **LT-P1** RC: **UNK** NANO: **No** ROLE: **Impurity/Residual**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

ENDOCRINE

TEDX - Potential Endocrine Disruptors

Potential Endocrine Disruptor

SUBSTANCE NOTES: Imported from Pharos process chemistry research

SODIUM HYDROXIDE

ID: 1310-73-2

#: **Impurity/Residual** GS: **LT-P1** RC: **UNK** NANO: **No** ROLE: **Impurity/Residual**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

SKIN IRRITATION	EU - GHS (H-Statements)	H314 - Causes severe skin burns and eye damage
PHYSICAL HAZARD (REACTIVE)	Korea - GHS	H290 - May be corrosive to metals

SUBSTANCE NOTES: Imported from Pharos process chemistry research

SILVER

ID: 7440-22-4

#: **Impurity/Residual** GS: **BM-1** RC: **UNK** NANO: **No** ROLE: **Impurity/Residual**

HAZARDS:	AGENCY(IES) WITH WARNINGS:	
MULTIPLE	German FEA - Substances Hazardous to Waters	Class 3 - Severe Hazard to Waters

SUBSTANCE NOTES: Imported from Pharos process chemistry research

ETHYLBENZENE

ID: 100-41-4

#: **Impurity/Residual** GS: **BM-2** RC: **UNK** NANO: **No** ROLE: **Impurity/Residual**

HAZARDS:	AGENCY(IES) WITH WARNINGS:	
CANCER	IARC	Group 2B - Possibly carcinogenic to humans
CANCER	CA EPA - Prop 65	Carcinogen
PHYSICAL HAZARD (REACTIVE)	EU - GHS (H-Statements)	H225 - Highly flammable liquid and vapour
MAMMALIAN	EU - GHS (H-Statements)	H304 - May be fatal if swallowed and enters airways
CANCER	MAK	Carcinogen Group 4 - Non-genotoxic carcinogen with low risk under MAK/BAT levels
REPRODUCTIVE	Japan - GHS	Toxic to reproduction - Category 1B
SKIN SENSITIZE	MAK	Sensitizing Substance Sh - Danger of skin sensitization

SUBSTANCE NOTES: Imported from Pharos process chemistry research

ALUMINUM CHLORIDE, BASIC

ID: 1327-41-9

#: **Impurity/Residual** GS: **LT-UNK** RC: **UNK** NANO: **No** ROLE: **Impurity/Residual**

HAZARDS:	AGENCY(IES) WITH WARNINGS:	
None Found	No warnings found on HPD Priority lists	

SUBSTANCE NOTES: Imported from Pharos process chemistry research

#: **Impurity/Residual** GS: **LT-1** RC: **UNK** NANO: **No** ROLE: **Impurity/Residual**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

DEVELOPMENTAL	G&L - Neurotoxic Chemicals	Developmental Neurotoxicant
DEVELOPMENTAL	CA EPA - Prop 65	Developmental toxicity
REPRODUCTIVE	CA EPA - Prop 65	Reproductive Toxicity - Female
PHYSICAL HAZARD (REACTIVE)	EU - GHS (H-Statements)	H225 - Highly flammable liquid and vapour
MAMMALIAN	EU - GHS (H-Statements)	H304 - May be fatal if swallowed and enters airways
SKIN IRRITATION	EU - GHS (H-Statements)	H315 - Causes skin irritation
DEVELOPMENTAL	EU - GHS (H-Statements)	H361d - Suspected of damaging the unborn child
ENDOCRINE	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor
MULTIPLE	German FEA - Substances Hazardous to Waters	Class 2 - Hazard to Waters
REPRODUCTIVE	Japan - GHS	Toxic to reproduction - Category 1A

SUBSTANCE NOTES: Imported from Pharos process chemistry research

XYLENES

ID: 1330-20-7

#: **Impurity/Residual** GS: **BM-1** RC: **UNK** NANO: **No** ROLE: **Impurity/Residual**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

SKIN IRRITATION	EU - GHS (H-Statements)	H315 - Causes skin irritation
ENDOCRINE	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor
MULTIPLE	German FEA - Substances Hazardous to Waters	Class 2 - Hazard to Waters
REPRODUCTIVE	Japan - GHS	Toxic to reproduction - Category 1B

SUBSTANCE NOTES: Imported from Pharos process chemistry research

XYLENE COMPOUNDS

ID: Not registered

#: **Impurity/Residual** GS: **LT-UNK** RC: **UNK** NANO: **No** ROLE: **Impurity/Residual**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found No warnings found on HPD Priority lists

SUBSTANCE NOTES: Imported from Pharos process chemistry research

Section 3: Certifications and Compliance

This section lists applicable certification and standards compliance information for VOC emissions and VOC content. Other types of health or environmental performance testing or certifications completed for the product may be provided.

VOC EMISSIONS

RFCI FloorScore

CERTIFYING PARTY: **Third Party**

ISSUE DATE:

EXPIRY DATE:

CERTIFIER OR LAB: **SCS**

APPLICABLE FACILITIES: **School classroom and private office parameters when modeled as Flooring.**

2016-09-01

2017-08-31

Global Services

CERTIFICATE URL:

http://www.fritztile.com/media/16647/124_floorscorecertificate.pdf

CERTIFICATION AND COMPLIANCE NOTES:

VOC EMISSIONS

CDPH Standard Method V1.1 (Section 01350/CHPS) - Classroom & Office scenario

CERTIFYING PARTY: **Self-declared**

ISSUE DATE:

EXPIRY DATE:

CERTIFIER OR LAB:

APPLICABLE FACILITIES: **School Classroom Private Office**

2012-06-20

Berkeley Analytical

CERTIFICATE URL:

http://www.fritztile.com/media/2579/125_vocemissiontestingcert.pdf

CERTIFICATION AND COMPLIANCE NOTES: **VOC Testing**

Section 4: Accessories

This section lists related products or materials that the manufacturer requires or recommends for installation (such as adhesives or fasteners), maintenance, cleaning, or operations. For information relating to the contents of these related products, refer to their applicable Health Product Declarations, if available.

No accessories are required for this product.

Section 5: General Notes

Based upon component manufacturer SDS - % inventory for the following substances was estimated: 75-21-8, 123-91-1, 75-56-9 as well as < .21% of water.



MANUFACTURER INFORMATION

MANUFACTURER: **Stonhard**

ADDRESS: **Fritztile Terrazzo Tile**

**180 Gordon Drive • Suite 107
 Exton PA 19341, USA**

WEBSITE: **<http://www.fritztile.com/>**

CONTACT NAME: **Mike Jewell**

TITLE: **VP - Product Development**

PHONE: **800.345.6202**

EMAIL: **mjewell@stonhard.com**

KEY

OSHA MSDS Occupational Safety and Health Administration Material Safety Data Sheet

GHS SDS Globally Harmonized System of Classification and Labeling of Chemicals Safety Data Sheet

Hazard Types

AQU Aquatic toxicity

CAN Cancer

DEV Developmental toxicity

END Endocrine activity

EYE Eye irritation/corrosivity

GEN Gene mutation

GLO Global warming

MAM Mammalian/systemic/organ toxicity

MUL Multiple hazards

NEU Neurotoxicity

OZO Ozone depletion

PBT Persistent Bioaccumulative Toxic

PHY Physical Hazard (reactive)

REP Reproductive toxicity

RES Respiratory sensitization

SKI Skin sensitization/irritation/corrosivity

LAN Land Toxicity

NF Not found on Priority Hazard Lists

GreenScreen (GS)

BM-4 Benchmark 4 (prefer-safer chemical)

BM-3 Benchmark 3 (use but still opportunity for improvement)

BM-2 Benchmark 2 (use but search for safer substitutes)

BM-1 Benchmark 1 (avoid - chemical of high concern)

BM-U Benchmark Unspecified (insufficient data to benchmark)

LT-P1 List Translator Possible Benchmark 1

LT-1 List Translator Likely Benchmark 1

LT-UNK List Translator Benchmark Unknown (insufficient information from List Translator lists to benchmark)

NoGS Unknown (no data on List Translator Lists)

Recycled Types

PreC Preconsumer (Post-Industrial)

PostC Postconsumer

Both Both Preconsumer and Postconsumer

Unk Inclusion of recycled content is unknown

None Does not include recycled content

Other Terms

Inventory Methods:

Nested Method / Material Threshold Substances listed within each material per threshold indicated per material

Nested Method / Product Threshold Substances listed within each material per threshold indicated per product

Basic Method / Product Threshold Substances listed individually per threshold indicated per product

Nano Composed of nano scale particles or nanotechnology

Third Party Verified Verification by independent certifier approved by HPDC

Preparer Third party preparer, if not self-prepared by manufacturer

Applicable facilities Manufacturing sites to which testing applies

The Health Product Declaration (HPD) Open Standard provides for the disclosure of product contents and potential associated human and environmental health hazards. Hazard associations are based on the HPD Priority Hazard Lists, the GreenScreen List Translator™, and when available, full GreenScreen® assessments. The HPD Open Standard v2.1 is not:

- *a method for the assessment of exposure or risk associated with product handling or use,*
- *a method for assessing potential health impacts of: (i) substances used or created during the manufacturing process or (ii) substances created after the product is delivered for end use.*

Information about life cycle, exposure and/or risk assessments performed on the product may be reported by the manufacturer in appropriate Notes sections, and/or, where applicable, in the Certifications section.

The HPD Open Standard was created and is supported by the Health Product Declaration Collaborative (the HPD Collaborative), a customer-led organization composed of stakeholders throughout the building industry that is committed to the continuous improvement of building products through transparency, openness, and innovation throughout the product supply chain.

The product manufacturer and any applicable independent verifier are solely responsible for the accuracy of statements and claims made in this HPD and for compliance with the HPD standard noted.