K KOOL-E PINK

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations
Date of issue: 11/20/2014 Revision date: 4/27/2022 Version: 1.4

SECTION 1: Identification

1.1. Identification

Product form	:	Mixture
Trade name	:	K KOOL-E PINK
CAS-No.	:	107-21-1
Product code	:	30100

1.2. Recommended use and restrictions on use

Use of the substance/mixture	:	Heat Transfer Fluid, Coolant, etc...

1.3. Supplier

Interstate Chemical Company, Inc.
2797 Freedland Road
Hermitage, PA, Mercer, 16148-0210
United States
T 800-422-2436 - F (724) 509-1015
herm-eh&s@interstatechemical.com - www.interstatechemical.com
herm-eh&s@interstatechemical.com

1.4. Emergency telephone number

Emergency number	:	For 24-Hour Emergency Information Call Chemtrec: +1 (800) 424-9300

SECTION 2: Hazard(s) identification

2.1. Classification of the substance or mixture

GHS US classification

Acute toxicity (oral) Category 4	H302	Harmful if swallowed

Full text of H statements : see section 16

2.2. GHS Label elements, including precautionary statements

GHS US labeling

Hazard pictograms (GHS-US) :

Signal word (GHS-US)	:	Warning
Hazard statements (GHS-US)	:	H302 - Harmful if swallowed
Precautionary statements (GHS-US)	:	P264 - Wash hands, forearms and face thoroughly after handling P270 - Do not eat, drink or smoke when using this product P301+P312 - If swallowed: Call a doctor, a POISON CENTER if you feel unwell P330 - Rinse mouth P501 - Dispose of contents/container to a hazardous or special waste collection point, an approved waste disposal plant, Collection point, an industrial incineration plant, and in accordance with local, regional, national, and international regulations, hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation

2.3. Other hazards which do not result in classification

No additional information available

2.4. Unknown acute toxicity (GHS US)

Not applicable

SECTION 3: Composition/Information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	GHS US classification
ethylene glycol	CAS-No.: 107-21-1	90 – 100	Acute Tox. 4 (Oral), H302
LIQUID DYE	CAS-No.: Mixture	< 1	Not classified
dipotassium hydrogen phosphate, anhydrous	CAS-No.: 7758-11-4	1	Not classified
disodium tetraborate, pentahydrate	CAS-No.: 12179-04-3	1	Not classified
sodium 4(or 5)-methyl-1H-benzotriazolide	CAS-No.: 64665-57-2	1	Acute Tox. 4 (Oral), H302

Full text of hazard classes and H-statements : see section 16

SECTION 4: First-aid measures

4.1. Description of first aid measures

First-aid measures general : Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

First-aid measures after inhalation : Allow victim to breathe fresh air. Allow the victim to rest.

First-aid measures after skin contact : Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse.

First-aid measures after eye contact : Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persists.

First-aid measures after ingestion : Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention. Call a POISON CENTER or doctor/physician if you feel unwell.

4.2. Most important symptoms and effects (acute and delayed)

Potential Adverse human health effects and symptoms : Based on available data, the classification criteria are not met. Harmful if swallowed.

Symptoms/effects after ingestion : Swallowing a small quantity of this material will result in serious health hazard.

4.3. Immediate medical attention and special treatment, if necessary

No additional information available

SECTION 5: Fire-fighting measures

5.1. Suitable (and unsuitable) extinguishing media

Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.

Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Specific hazards arising from the chemical

No additional information available

5.3. Special protective equipment and precautions for fire-fighters

Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.

Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

Protective equipment : Equip cleanup crew with proper protection.

Emergency procedures : Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapor.

Hygiene measures : Do not eat, drink or smoke when using this product. Wash hands, forearms and face thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Keep only in the original container in a cool, well ventilated place away from : Keep container closed when not in use.

Incompatible products : Strong bases. Strong acids.

Incompatible materials : Sources of ignition. Direct sunlight.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

K KOOL-E PINK (107-21-1)	
USA - ACGIH - Occupational Exposure Limits	
Local name	Ethylene glycol
ACGIH OEL TWA [ppm]	25 ppm
ACGIH OEL STEL	10 mg/m³

K KOOL-E PINK (107-21-1)	
ACGIH OEL STEL [ppm]	50 ppm
Remark (ACGIH)	Kidney dam; URT & eye irr

ethylene glycol (107-21-1)	
USA - ACGIH - Occupational Exposure Limits	
Local name	Ethylene glycol
ACGIH OEL TWA [ppm]	25 ppm
ACGIH OEL STEL	10 mg/m³
ACGIH OEL STEL [ppm]	50 ppm
Remark (ACGIH)	Kidney dam; URT & eye irr

LIQUID DYE (Mixture)
No additional information available

dipotassium hydrogen phosphate, anhydrous (7758-11-4)
No additional information available

disodium tetraborate, pentahydrate (12179-04-3)	
USA - ACGIH - Occupational Exposure Limits	
ACGIH OEL TWA	2 mg/m³ (Borate compounds, inorganic; USA; Time-weighted average exposure limit 8 h; TLV - Adopted Value; Inhalable fraction; Borate compounds, inorganic; 2 mg/m³; USA; Time-weighted average exposure limit 8 h; TLV - Adopted Value; Inhalable fraction)
ACGIH OEL STEL	6 mg/m³ (Borate compounds, inorganic; USA; Short time value; TLV - Adopted Value; Inhalable fraction; Borate compounds, inorganic; 6 mg/m³; USA; Short time value; TLV - Adopted Value; Inhalable fraction)

sodium 4(or 5)-methyl-1H-benzotriazolide (64665-57-2)
No additional information available

8.2. Appropriate engineering controls

No additional information available

8.3. Individual protection measures/Personal protective equipment

Personal protective equipment:
Avoid all unnecessary exposure.

Hand protection:
Wear protective gloves

Eye protection:
Chemical goggles or safety glasses

Respiratory protection:
Wear appropriate mask

Personal protective equipment symbol(s):

Other information:

Do not eat, drink or smoke during use.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	:	Liquid
Appearance	:	Liquid.
Color	:	Colorless
Odor	:	characteristic
Odor threshold	:	No data available
pH	:	8 (≥ 9.5)
Melting point	:	-13 °C
Freezing point	:	No data available
Boiling point	:	197 °C
Critical temperature	:	372 °C
Flash point	:	111 °C
Relative evaporation rate (butyl acetate=1)	:	< 1
Flammability (solid, gas)	:	Non flammable.
Vapor pressure	:	0.07 hPa
Vapor pressure at 50 °C	:	1.1 hPa
Relative vapor density at 20 °C	:	2.1
Relative density	:	1.1
Specific gravity / density	:	1130 kg/m³
Molecular mass	:	62.07 g/mol
Solubility	:	Soluble in water. Soluble in ethanol. Soluble in acetone. Soluble in acetic acid. Soluble in glycerol. Soluble in pyridine. Ethanol: Complete Acetone: Complete
Partition coefficient n-octanol/water (Log Pow)	:	-1.34 (Experimental value)
Auto-ignition temperature	:	398 °C
Decomposition temperature	:	> 500 °C
Viscosity, kinematic	:	18.86 mm²/s (20 °C)
Viscosity, dynamic	:	0.021 Pa.s (20 °C)
Explosion limits	:	3 – 15 vol %
Explosive properties	:	No data available
Oxidizing properties	:	No data available

9.2. Other information

Specific conductivity	:	116 µS/m
Saturation concentration	:	0.31 g/m³
VOC content	:	0 %

SECTION 10: Stability and reactivity

10.1. Reactivity

No additional information available

10.2. Chemical stability

Not established.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

fume. Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral) : Harmful if swallowed.
Acute toxicity (dermal) : Not classified
Acute toxicity (inhalation) : Not classified

K KOOL-E PINK (107-21-1)	
ATE US (oral)	515.464 mg/kg body weight

ethylene glycol (107-21-1)	
LD50 oral rat	> 5000 mg/kg (Rat; Literature study)
ATE US (oral)	500 mg/kg body weight

dipotassium hydrogen phosphate, anhydrous (7758-11-4)	
LD50 oral rat	8000 mg/kg (Rat)
ATE US (oral)	8000 mg/kg body weight

disodium tetraborate, pentahydrate (12179-04-3)	
LD50 oral rat	> 2000 mg/kg (Rat; OECD 401: Acute Oral Toxicity; Literature study; >2500 mg/kg bodyweight; Rat; Experimental value)
LD50 dermal rabbit	> 2000 mg/kg (Rabbit; Experimental value; Other)

sodium 4(or 5)-methyl-1H-benzotriazolide (64665-57-2)	
LD50 oral rat	640 – 1980 mg/kg (Rat)
LD50 dermal rabbit	> 2000 mg/kg (Rabbit)
ATE US (oral)	640 mg/kg body weight

Skin corrosion/irritation : Not classified
pH: 8 (≥ 9.5)
Serious eye damage/irritation : Not classified
pH: 8 (≥ 9.5)
Respiratory or skin sensitization : Not classified
Germ cell mutagenicity : Not classified
Carcinogenicity : Not classified

Reproductive toxicity	:	Not classified
Specific target organ toxicity – single exposure	:	Not classified
Specific target organ toxicity – repeated exposure	:	Not classified
Aspiration hazard	:	Not classified
Viscosity, kinematic	:	18.86 mm²/s (20 °C)
Potential Adverse human health effects and symptoms	:	Based on available data, the classification criteria are not met. Harmful if swallowed.
Symptoms/effects after ingestion	:	Swallowing a small quantity of this material will result in serious health hazard.

SECTION 12: Ecological information

12.1. Toxicity

ethylene glycol (107-21-1)	
EC50 - Daphnia [1]	> 10000 mg/l (EC50; 24 h)
LC50 - Fish [2]	40761 mg/l (LC50; 96 h; Salmo gairdneri)

dipotassium hydrogen phosphate, anhydrous (7758-11-4)	
LC50 - Fish [1]	> 900 mg/l (LC50; 48 h; Leuciscus idus)

disodium tetraborate, pentahydrate (12179-04-3)	
LC50 - Fish [1]	100 – 1000 mg/l (LC50; 96 h; Pisces)
EC50 - Daphnia [1]	340 mg/l (EC50; 24 h; Daphnia magna)

sodium 4(or 5)-methyl-1H-benzotriazolide (64665-57-2)	
LC50 - Fish [1]	25 mg/l (LC50; 96 h)
EC50 - Daphnia [1]	280 mg/l (EC50; 48 h)
Threshold limit - Algae [1]	26.2 mg/l (EC50; 72 h)

12.2. Persistence and degradability

K KOOL-E PINK (107-21-1)	
Persistence and degradability	Not established.

ethylene glycol (107-21-1)	
Persistence and degradability	Readily biodegradable in water. Biodegradable in the soil.
Biochemical oxygen demand (BOD)	0.47 g O_2/g substance
Chemical oxygen demand (COD)	1.24 g O_2/g substance
ThOD	1.29 g O_2/g substance
BOD (% of ThOD)	0.36

dipotassium hydrogen phosphate, anhydrous (7758-11-4)	
Persistence and degradability	Biodegradability: not applicable.
Biochemical oxygen demand (BOD)	Not applicable
Chemical oxygen demand (COD)	Not applicable
ThOD	Not applicable

disodium tetraborate, pentahydrate (12179-04-3)	
Persistence and degradability	Biodegradability: not applicable. Biodegradability in soil: not applicable. Adsorbs into the soil.
Biochemical oxygen demand (BOD)	Not applicable
Chemical oxygen demand (COD)	Not applicable
ThOD	Not applicable

sodium 4(or 5)-methyl-1H-benzotriazolide (64665-57-2)	
Persistence and degradability	Readily biodegradable in water.

12.3. Bioaccumulative potential

K KOOL-E PINK (107-21-1)	
Partition coefficient n-octanol/water (Log Pow)	-1.34 (Experimental value)
Bioaccumulative potential	Not established.

ethylene glycol (107-21-1)	
BCF - Fish [1]	10 (BCF; 72 h)
BCF - Other aquatic organisms [1]	0.21 – 0.6 (BCF)
BCF - Other aquatic organisms [2]	190 (BCF; 24 h)
Partition coefficient n-octanol/water (Log Pow)	-1.34 (Experimental value)
Bioaccumulative potential	Low potential for bioaccumulation (BCF < 500).

dipotassium hydrogen phosphate, anhydrous (7758-11-4)	
Bioaccumulative potential	No bioaccumulation data available.

disodium tetraborate, pentahydrate (12179-04-3)	
Bioaccumulative potential	Not bioaccumulative.

sodium 4(or 5)-methyl-1H-benzotriazolide (64665-57-2)	
Partition coefficient n-octanol/water (Log Pow)	0.658
Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).

12.4. Mobility in soil

ethylene glycol (107-21-1)	
Surface tension	0.048 N/m (20 °C)

disodium tetraborate, pentahydrate (12179-04-3)	
Ecology - soil	May be harmful to plant growth, blooming and fruit formation.

12.5. Other adverse effects

Other information : Avoid release to the environment.

SECTION 13: Disposal considerations

13.1. Disposal methods

Product/Packaging disposal recommendations : Dispose in a safe manner in accordance with local/national regulations. Dispose of contents/container to ...

Ecology - waste materials : Avoid release to the environment.

SECTION 14: Transport information

14.1. UN number

DOT NA no. : UN3082

UN-No. (IMDG) : Not applicable

14.2. UN proper shipping name

Proper Shipping Name (DOT) : Environmentally hazardous substances, liquid, n.o.s.

Proper Shipping Name (IMDG) : Not applicable

14.3. Transport hazard class(es)

DOT

Transport hazard class(es) (DOT) : 9

Hazard labels (DOT) : 9

IMDG

Transport hazard class(es) (IMDG) : Not applicable

14.4. Packing group

Packing group (DOT) : III

Packing group (IMDG) : Not applicable

14.5. Environmental hazards

Other information : Only regulated by DOT if product exceeds Reportable Quantity under CERCLA. The reportable quantity can be found in Section 15 of this SDS.

14.6. Special precautions for user

DOT

UN-No.(DOT) : UN3082

DOT Special Provisions (49 CFR 172.102)	:	8 - A hazardous substance that is not a hazardous waste may be shipped under the shipping description “Other regulated substances, liquid or solid, n.o.s.”, as appropriate. In addition, for solid materials, special provision B54 applies. 146 - This description may be used for a material that poses a hazard to the environment but does not meet the definition for a hazardous waste or a hazardous substance, as defined in 171.8 of this subchapter, or any hazard class as defined in Part 173 of this subchapter, if it is designated as environmentally hazardous by the Competent Authority of the country of origin, transit or destination. 173 - An appropriate generic entry may be used for this material. 335 - Mixtures of solids that are not subject to this subchapter and environmentally hazardous liquids or solids may be classified as “Environmentally hazardous substances, solid, n.o.s,” UN3077 and may be transported under this entry, provided there is no free liquid visible at the time the material is loaded or at the time the packaging or transport unit is closed. Each transport unit must be leak-proof when used as bulk packaging. IB3 - Authorized IBCs: Metal (31A, 31B and 31N); Rigid plastics (31H1 and 31H2); Composite (31HZ1 and 31HA2, 31HB2, 31HN2, 31HD2 and 31HH2). Additional Requirement: Only liquids with a vapor pressure less than or equal to 110 kPa at 50 C (1.1 bar at 122 F), or 130 kPa at 55 C (1.3 bar at 131 F) are authorized, except for UN2672 (also see Special Provision IP8 in Table 2 for UN2672). T4 - 2.65 178.274(d)(2) Normal..... 178.275(d)(3) TP1 - The maximum degree of filling must not exceed the degree of filling determined by the following: Degree of filling = 97 / 1 + a (tr - tf) Where: tr is the maximum mean bulk temperature during transport, and tf is the temperature in degrees celsius of the liquid during filling. TP29 - A portable tank having a minimum test pressure of 1.5 bar (150.0 kPa) may be used provided the calculated test pressure is 1.5 bar or less based on the MAWP of the hazardous materials, as defined in 178.275 of this subchapter, where the test pressure is 1.5 times the MAWP.
DOT Packaging Exceptions (49 CFR 173.xxx)	:	155
DOT Packaging Non Bulk (49 CFR 173.xxx)	:	203
DOT Packaging Bulk (49 CFR 173.xxx)	:	241
DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27)	:	No limit
DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75)	:	No limit
DOT Vessel Stowage Location	:	A - The material may be stowed ‘‘on deck’’ or ‘‘under deck’’ on a cargo vessel and on a passenger vessel.

IMDG

No data available

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

Not applicable

SECTION 15: Regulatory information

15.1. US Federal regulations

K KOOL-E PINK (107-21-1)	
Subject to reporting requirements of United States SARA Section 313	
CERCLA RQ	5000 lb

Commercial status of components according to the United States Environmental Protection Agency’s Toxic Substances Control Act (TSCA):

Name	CAS-No.	Listing	Commercial status	Flags
ethylene glycol	107-21-1	Present		

Name	CAS-No.	Listing	Commercial status	Flags
LIQUID DYE	Mixture	Not present	-	
dipotassium hydrogen phosphate, anhydrous	7758-11-4	Not present	-	
disodium tetraborate, pentahydrate	12179-04-3	Not present	-	
sodium 4(or 5)-methyl-1H-benzotriazolide	64665-57-2	Present		

ethylene glycol (107-21-1)	
Subject to reporting requirements of United States SARA Section 313 Listed on EPA Hazardous Air Pollutant (HAPS)	
CERCLA RQ	5000 lb

15.2. International regulations

CANADA

ethylene glycol (107-21-1)
Listed on the Canadian DSL (Domestic Substances List)

EU-Regulations

No additional information available

National regulations

No additional information available

15.3. US State regulations

K KOOL-E PINK (107-21-1)	
State or local regulations	U.S. - New Jersey - Right to Know Hazardous Substance List U.S. - Pennsylvania - RTK (Right to Know) List

WARNING: This product can expose you to ethylene glycol, which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

Component	State or local regulations
ethylene glycol(107-21-1)	U.S. - New Jersey - Right to Know Hazardous Substance List; U.S. - Pennsylvania - RTK (Right to Know) List

SECTION 16: Other information

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Revision date : 04/27/2022

Other information : None.

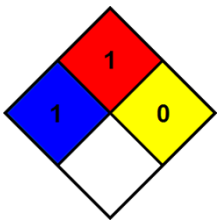
Full text of H-phrases	
H302	Harmful if swallowed

Abbreviations and acronyms	
ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
ATE	Acute Toxicity Estimate
BCF	Bioconcentration factor
CLP	Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008
DMEL	Derived Minimal Effect level
DNEL	Derived-No Effect Level
DPD	Dangerous Preparations Directive 1999/45/EC
DSD	Dangerous Substances Directive 67/548/EEC
EC50	Median effective concentration
IARC	International Agency for Research on Cancer
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods
LC50	Median lethal concentration
LD50	Median lethal dose
LOAEL	Lowest Observed Adverse Effect Level
NOAEC	No-Observed Adverse Effect Concentration
NOAEL	No-Observed Adverse Effect Level
NOEC	No-Observed Effect Concentration
OECD	Organisation for Economic Co-operation and Development
PBT	Persistent Bioaccumulative Toxic
PNEC	Predicted No-Effect Concentration
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
SDS	Safety Data Sheet
STP	Sewage treatment plant
TLM	Median Tolerance Limit
vPvB	Very Persistent and Very Bioaccumulative

NFPA health hazard : 1 - Materials that, under emergency conditions, can cause significant irritation.

NFPA fire hazard : 1 - Materials that must be preheated before ignition can occur.

NFPA reactivity : 0 - Material that in themselves are normally stable, even under fire conditions.



Hazard Rating

Health : 1 Slight Hazard - Irritation or minor reversible injury possible

Flammability	:	1 Slight Hazard - Materials that must be preheated before ignition will occur. Includes liquids, solids and semi solids having a flash point above 200 F. (Class IIIB)
Physical	:	0 Minimal Hazard - Materials that are normally stable, even under fire conditions, and will NOT react with water, polymerize, decompose, condense, or self-react. Non-Explosives.
Personal protection	:	B - Safety glasses, Gloves

Safety Data Sheet (SDS), USA