Materials Safety Data Sheet • 106131 • 1300 Series Color Coat Clears RTS

1 Identification of substance

· **Product details**

· **Trade name:** **13000 Series Color Coat Clears RTS**

· **Article number:** 13001, 13004, 13006, 13011, 13014, 13016, 13021, 13024, 13026

2 Composition/Data on components

· **Chemical characterization**
· **Description:** Mixture of the substances listed below with nonhazardous additions.

· **Dangerous components:**

108-88-3	toluene Danger: 2.6/2; 3.10/1, 3.7/2, 3.9/2 Warning: 3.2/2, 3.8/3	60 - 70%
78-93-3	butanone Danger: 2.6/2 Warning: 3.3/2A, 3.8/3	13 - 30%
16883-83-3	benzyl 3-isobutryloxy-1-isopropyl-2-2-dimethylpropyl phthalate Warning: 3.2/2, 3.3/2A, 3.8/3	1.5 - 5%
	VYNS-3 LOT	1.5 - 5%
2807-30-9	2-(propyloxy)ethanol Warning: 3.1.D/4, 3.3/2A	1.5 - 5%
108-65-6	2-methoxy-1-methylethyl acetate Warning: 2.6/3; 3.3/2A	1.5 - 5%

3 Hazards identification

· **Hazard description:**

Harmful
Highly flammable

· **Information pertaining to particular dangers for man and environment:**
The product has to be labelled due to the calculation procedure of international guidelines.
Has a narcotizing effect.
Highly flammable.
Irritating to eyes and skin.
Harmful: danger of serious damage to health by prolonged exposure through inhalation.
Possible risk of harm to the unborn child.
Vapours may cause drowsiness and dizziness.

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· **Classification system:**
The classification was made according to the latest editions of international substances lists, and expanded upon from company and literature data.

· **NFPA ratings (scale 0 - 4)**

Health = 2
Fire = 3
Reactivity = 0

· **HMIS-ratings (scale 0 - 4)**

Health = 2
Fire = 3
Reactivity = 0

· **GHS label elements**

Danger

2.6/2 - Highly flammable liquid and vapour.

Warning

3.7/2 - Suspected of damaging fertility or the unborn child.
3.9/2 - May cause damage to organs through prolonged or repeated exposure.

Warning

3.2/2 - Causes skin irritation.
3.3/2A - Causes serious eye irritation.
3.8/3 - May cause drowsiness or dizziness.

· **Prevention:**
Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
Keep container tightly closed.
Ground/bond container and receiving equipment.
Use explosion-proof electrical/ventilating/lighting/equipment.
Use only non-sparking tools.
Take precautionary measures against static discharge.
Do not breathe dust/fume/gas/mist/vapours/spray.
Avoid breathing dust/fume/gas/mist/vapours/spray.
Wash thoroughly after handling.
Use only outdoors or in a well-ventilated area.
Wear protective gloves/protective clothing/eye protection/face protection.
Use personal protective equipment as required.

· **Response:**
IF ON SKIN: Wash with plenty of soap and water.
IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

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IF exposed or concerned: Get medical advice/attention.
Call a POISON CENTER or doctor/physician if you feel unwell.
Get medical advice/attention if you feel unwell.
Specific treatment (see on this label).
If skin irritation occurs: Get medical advice/attention.
If eye irritation persists: Get medical advice/attention.
Take off contaminated clothing and wash before reuse.
In case of fire: Use for extinction: CO2, powder or water spray.
· ***Storage:***
Store in a well-ventilated place. Keep container tightly closed.
Store in a well-ventilated place. Keep cool.
Store locked up.
· ***Disposal:***
Dispose of contents/container in accordance with local/regional/national/international regulations.

4 First aid measures

· ***After inhalation:*** *In case of unconsciousness place patient stably in side position for transportation.*
· ***After skin contact:*** *Immediately wash with water and soap and rinse thoroughly.*
· ***After eye contact:***
Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
· ***After swallowing:*** *If symptoms persist consult doctor.*

5 Fire fighting measures

· ***Suitable extinguishing agents:*** *CO2, sand, extinguishing powder. Do not use water.*
· ***For safety reasons unsuitable extinguishing agents:*** *Water with full jet*
· ***Protective equipment:*** *No special measures required.*

6 Accidental release measures

· ***Person-related safety precautions:*** *Wear protective equipment. Keep unprotected persons away.*
· ***Measures for environmental protection:*** *Do not allow to enter sewers/ surface or ground water.*
· ***Measures for cleaning/collecting:***
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Dispose contaminated material as waste according to item 13.
Ensure adequate ventilation.
Do not flush with water or aqueous cleansing agents

7 Handling and storage

· ***Handling:***
· ***Information for safe handling:***
Ensure good ventilation/exhaustion at the workplace.
Prevent formation of aerosols.
· ***Information about protection against explosions and fires:***
Keep ignition sources away - Do not smoke.
Protect against electrostatic charges.

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· **Storage:**
· **Requirements to be met by storerooms and receptacles:** Store in a cool location.
· **Information about storage in one common storage facility:** Not required.
· **Further information about storage conditions:**
Keep receptacle tightly sealed.
Store in cool, dry conditions in well sealed receptacles.

8 Exposure controls and personal protection

· **Additional information about design of technical systems:** No further data; see item 7.

· **Components with limit values that require monitoring at the workplace:**	
108-88-3 toluene	
PEL	Short-term value: C 300; 500* ppm Long-term value: 200 ppm *10-min peak per 8-hr shift
REL	Short-term value: 560 mg/m³, 150 ppm Long-term value: 375 mg/m³, 100 ppm
TLV	75 mg/m³, 20 ppm
78-93-3 butanone	
PEL	590 mg/m³, 200 ppm
REL	Short-term value: 885 mg/m³, 300 ppm Long-term value: 590 mg/m³, 200 ppm
TLV	Short-term value: 885 mg/m³, 300 ppm Long-term value: 590 mg/m³, 200 ppm BEI
108-65-6 2-methoxy-1-methylethyl acetate	
WEEL	50 ppm

· **Additional information:** The lists that were valid during the creation were used as basis.

· **Personal protective equipment:**
· **General protective and hygienic measures:**
Keep away from foodstuffs, beverages and feed.
Immediately remove all soiled and contaminated clothing.
Wash hands before breaks and at the end of work.
Avoid contact with the eyes and skin.
· **Breathing equipment:**
In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use respiratory protective device that is independent of circulating air.
· **Protection of hands:**

Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

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· ***Material of gloves***
The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.
· ***Penetration time of glove material***
The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.
· ***Eye protection:***

Tightly sealed goggles

9 Physical and chemical properties

· ***General Information***	
Form:	*Liquid*
Color:	*According to product specification*
Odor:	*Characteristic*
· ***Change in condition***	
Melting point/Melting range:	*Undetermined.*
Boiling point/Boiling range:	*79°C (174°F)*
· ***Flash point:***	*-4°C (25°F)*
· ***Ignition temperature:***	*514°C (957°F)*
· ***Auto igniting:***	*Product is not selfigniting.*
· ***Danger of explosion:***	*In use, may form flammable/explosive vapour-air mixture.*
· ***Explosion limits:***	
Lower:	*1.2 Vol %*
Upper:	*11.5 Vol %*
· ***Vapor pressure at 20°C (68°F):***	*105 hPa (79 mm Hg)*
· ***Density at 20°C (68°F):***	*0.89 g/cm³*
· ***Solubility in / Miscibility with***	
Water:	*Not miscible or difficult to mix.*
· ***Solvent content:***	
Organic solvents:	*87.4 %*
VOC content:	*87.4 %*
	774.0 g/l / 6.46 lb/gl
· ***Solids content:***	*12.5 %*

10 Stability and reactivity

· ***Thermal decomposition / conditions to be avoided:*** *No decomposition if used according to specifications.*
· ***Dangerous reactions*** *No dangerous reactions known.*

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· **Dangerous products of decomposition:** No dangerous decomposition products known.

11 Toxicological information

· **Acute toxicity:**

· **LD/LC50 values that are relevant for classification:**

108-88-3 toluene		
Oral	LD50	5000 mg/kg (rat)
Dermal	LD50	12124 mg/kg (rabbit)
Inhalative	LC50/4 h	5320 mg/l (mouse)

· **Primary irritant effect:**
· **on the skin:** Irritant to skin and mucous membranes.
· **on the eye:** Irritating effect.
· **Sensitization:** No sensitizing effects known.
· **Additional toxicological information:**
The product shows the following dangers according to internally approved calculation methods for preparations:
Irritant

12 Ecological information

· **General notes:**
Water hazard class 2 (Self-assessment): hazardous for water
Do not allow product to reach ground water, water course or sewage system.
Danger to drinking water if even small quantities leak into the ground.

13 Disposal considerations

· **Product:**
· **Recommendation:**
Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

· **Uncleaned packagings:**
· **Recommendation:** Disposal must be made according to official regulations.

14 Transport information

· **DOT regulations:**

· **Hazard class:** 3
· **Identification number:** UN1263
· **Packing group:** II
· **Proper shipping name (technical name):** PAINT
· **Label** 3

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· **Remarks**	ORM-D 49CFR 173.150,156,or306

· **Land transport TDG (Canada) and ADR/RID (Europe):**

· **Hazard class:**	3 Flammable liquids
· **UN-Number:**	1263
· **Packaging group:**	II
· **Label:**	3
· **Description of goods:**	1263 PAINT, special provision 640D

· **Maritime transport IMDG:**

· **IMDG Class:**	3
· **UN Number:**	1263
· **Label**	3
· **Packaging group:**	II
· **EMS Number:**	F-E,S-E
· **Marine pollutant:**	No
· **Propper shipping name:**	PAINT

· **Air transport ICAO-TI and IATA-DGR:**

· **ICAO/IATA Class:**	3
· **UN/ID Number:**	1263
· **Label**	3
· **Packaging group:**	II
· **Propper shipping name:**	PAINT

· **UN "Model Regulation":** UN1263, PAINT, 3, II

15 Regulations

· **Sara**

· **Section 355 (extremely hazardous substances):**

None of the ingredient is listed.

· **Section 313 (Specific toxic chemical listings):**

108-88-3	toluene
78-93-3	butanone
71-36-3	butan-1-ol

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· **TSCA (Toxic Substances Control Act):**

108-88-3	toluene
78-93-3	butanone
16883-83-3	benzyl 3-isobutryloxy-1-isopropyl-2-2-dimethylpropyl phthalate
	VYNS-3 LOT
2807-30-9	2-(propyloxy)ethanol
108-65-6	2-methoxy-1-methylethyl acetate
71-36-3	butan-1-ol

· **Proposition 65**

· **Chemicals known to cause cancer:**

None of the ingredients is listed.

· **Chemicals known to cause reproductive toxicity for females:**

None of the ingredients is listed.

· **Chemicals known to cause reproductive toxicity for males:**

None of the ingredients is listed.

· **Chemicals known to cause developmental toxicity:**

108-88-3	toluene

· **Cancerogenity categories**

· **EPA (Environmental Protection Agency)**

108-88-3	toluene	II
78-93-3	butanone	I
71-36-3	butan-1-ol	D

· **IARC (International Agency for Research on Cancer)**

108-88-3	toluene	3
	BENTONITE	suspected carcinogen <2% 14808-60-7

· **NTP (National Toxicology Program)**

None of the ingredients is listed.

· **TLV (Threshold Limit Value established by ACGIH)**

108-88-3	toluene	A4

· **NIOSH-Ca (National Institute for Occupational Safety and Health)**

None of the ingredients is listed.

· **OSHA-Ca (Occupational Safety & Health Administration)**

None of the ingredients is listed.

· **Product related hazard informations:**
The product has been classified and marked in accordance with directives on hazardous materials.

· **Hazard symbols:**
Harmful
Highly flammable

· **Hazard-determining components of labelling:**
toluene

· **Risk phrases:**
Highly flammable.

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Irritating to eyes and skin.
Harmful: danger of serious damage to health by prolonged exposure through inhalation.
Possible risk of harm to the unborn child.
Vapours may cause drowsiness and dizziness.

· ***Safety phrases:***
Do not breathe gas/fumes/vapour/spray (appropriate wording to be specified by the manufacturer).
Wear suitable protective clothing and gloves.
Use only in well-ventilated areas.
This material and its container must be disposed of as hazardous waste.

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· ***Department issuing MSDS:*** *Environment protection department.*
· ***Contact:*** *Steve Gaver*
· ***Abbreviations and acronyms:***
ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
IMDG: International Maritime Code for Dangerous Goods
DOT: US Department of Transportation
IATA: International Air Transport Association
IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)
ICAO: International Civil Aviation Organization
ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO)
GHS: Globally Harmonized System of Classification and Labelling of Chemicals
ACGIH: American Conference of Governmental Industrial Hygienists
NFPA: National Fire Protection Association (USA)
HMIS: Hazardous Materials Identification System (USA)
VOC: Volatile Organic Compounds (USA, EU)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent

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