



NATIONAL COATINGS AND SUPPLIES  
4900 FALLS OF NEUSE RD. SUITE 150  
RALIEGH NC, 27609  
USA  
866-529-1682

**PRODUCT: 33-517 Rapid Hs Euro Clear Normal Temp Activator**

### SECTION 01: IDENTIFICATION

Initial supplier identifier..... National Coatings and Supplies  
4900 Falls of Neuse Rd, Suite 150  
Raleigh  
NC  
USA  
27609  
866-529-1682

Product identifier..... 33-517 Rapid Hs Euro Clear Normal Temp Activator

Recommended use and restrictions on .. Accelerator and activator.  
use

Chemical family..... Mixture.

NFPA rating..... Health: 2 Fire: 3 Reactivity: 0.

HMIS..... H: 2 F: 3 R: 0.

24 hour emergency number:..... For transportation emergencies (in Canada) call CANUTEC 1-888-226-8832 (CAN-UTEC);  
IN THE UNITED STATES CALL CHEMTREC 1-800-424-9300.  
\*\* For medical emergencies contact your local poison control centre \*\*.

### SECTION 02: HAZARD IDENTIFICATION



Signal Word..... DANGER.

Hazard Classification..... Flammable Liquid 2. Skin Sensitizer 1. Eye Irritation — Category 2A. Acute Toxicity (Inhalation) — Category 4. Specific Target Organ Toxicity — Single Exposure — Category 3. (respiratory system). Carcinogenicity — Category 2.

Hazard Description..... H225 Highly flammable liquid and vapour. H317 May cause an allergic skin reaction. H319 Causes serious eye irritation. H332 Harmful if inhaled. H335 May cause respiratory irritation. H351 This product contains ingredients that are suspected of causing cancer.

Prevention..... P201 Obtain special instructions before use. P202 Do not handle this product until all safety instructions have been read and understood. P210 Keep away from heat, sparks, open flames and hot surfaces. No smoking. P233 Keep container tightly closed. P240 Ground and bond container and receiving equipment. P241 Use explosion proof equipment. P242 Use only non-sparking tools. P243 Take precautionary measures against static discharge. P261 Avoid breathing mists, vapours and sprays. P264 Wash thoroughly after handling. P271 Use only outdoors or in a well ventilated area. P272 Contaminated work clothing should not be allowed out of the workplace. P280 Wear protective gloves and eye protection.

Response ..... P370 + P378 In case of fire - use dry chemical powder, CO2 or foam to extinguish. P303 + P361 + P353 If on skin or in hair: take off all contaminated clothing immediately. Rinse thoroughly with water and use safety shower . P304 + P340 - If inhaled remove person to fresh air and keep comfortable for breathing. P312 Call a POISON CENTER/doctor if you feel unwell. P305 + P351 + P338 If in eyes rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing until medical help arrives. P337 + P313 - If eye irritation persists get medical attention. P302 + P352 - If on skin: wash with plenty of water. P362 + P364 - Take off contaminated clothing and wash before reuse. P333 + P313 If skin irritation or rash occurs, get medical advice/attention. P308 + P313 If exposed or concerned, get medical advice/attention.

Storage..... P233 Keep container tightly closed. P403 + P235 Store in well ventilated area. Keep cool. P405 Store locked up.

Disposal..... P501 Dispose all unused, waste or empty containers in accordance with local regulations.

Note ..... This product mixture has been classified based on its ingredients.

**PRODUCT: 33-517 Rapid Hs Euro Clear Normal Temp Activator****SECTION 03: COMPOSITION / INFORMATION ON INGREDIENTS**

CHEMICAL NAME AND SYNONYMS	CAS #	WT. %
Methyl Isobutyl Ketone	108-10-1	30-60
Hexane, 1,6-diisocyanato-, homopolymer	28182-81-2	15-40
Butyl Acetate	123-86-4	7-13
N-Butyl Propionate	590-01-2	5-10
2-Propanol, 1-methoxy-, acetate	108-65-6	3-7
<<The actual concentration(s) withheld as a trade secret>> .		

**SECTION 04: FIRST-AID MEASURES**

Eye contact.....	In case of contact, immediately flush eyes, keeping eyelids open, with plenty of water for at least 15 minutes. Get medical attention immediately.
Skin contact.....	Remove all contaminated clothing and immediately wash the exposed areas with copious amounts of water for a minimum of 30 minutes or up to 60 minutes for critical body areas. If irritation persists, seek medical attention. Wash clothing before reuse.
Inhalation.....	If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen, obtain medical attention.
Ingestion.....	If ingestion is suspected, contact physician or poison control center immediately. Do not induce vomiting. If spontaneous vomiting occurs have victim lean forward with head down to prevent aspiration of fluid into the lungs. Never give anything by mouth to an unconscious person.
Most important symptoms and effects, ..... whether acute or delayed	Harmful if swallowed, in contact with skin or if inhaled. High vapour concentrations may be irritating to the respiratory tract. Vapors have a narcotic effect and may cause headache, fatigue, dizziness and nausea. Causes serious eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Can cause skin sensitization. This product contains ingredients that may cause cancer.
Additional information.....	Treat victims symptomatically. In the event of an incident involving this product ensure that medical authorities are provided a copy of this safety data sheet.

**SECTION 05: FIRE-FIGHTING MEASURES**

Suitable and unsuitable extinguishing media	"Alcohol" foam, CO <sub>2</sub> , dry chemical. Water spray. Do not use water in a jet.
Specific hazards arising from the hazardous product, such as the nature of any hazardous combustion products	The vapour is heavier than air, spreads along the ground and distant ignition is possible. Oxides of carbon (CO, CO <sub>2</sub> ). Hydrocarbon fumes and smoke.
Special protective equipment and precautions for fire-fighters	Firefighter should be equipped with self-contained breathing apparatus and full protective clothing to protect against potentially toxic and irritating fumes. Cool fire-exposed containers with cold water spray. Heat will cause pressure buildup and may cause explosive rupture. Solvent vapours may be heavier than air and may build up and travel along the ground to an ignition source, which may result in a flash back to the source of the vapours. Keep run-off water from entering sewers and other waterways. Dike for water control.

**SECTION 06: ACCIDENTAL RELEASE MEASURES**

Personal precautions, protective equipment and emergency procedures	Ventilate. Eliminate all sources of ignition. Evacuate all non-essential personnel. Contain the spill. Prevent runoff into drains, sewers, and other waterways. Avoid all personal contact. Absorb with earth, sand, or another dry inert material. Scrape or shovel into containers. Spilled material and water rinses are classified as chemical waste, and must be disposed of in accordance with current local, provincial, state, and federal regulations.
Leak/spill.....	
Methods and materials for containment and cleaning up	Dike area to contain the spill, prevent runoff from going into drains, absorb residual material with an inert absorbent, shovel or pump to a properly labelled container and dispose of as a hazardous waste.

**SECTION 07: HANDLING AND STORAGE**

Precautions for safe handling.....	Keep away from heat, sparks, and open flame. Ensure that equipment is properly bonded and grounded during filling and transferring as product may become electrostatically charged. Avoid all skin contact. Handle with care. Avoid breathing vapours or mist. Ventilate adequately, otherwise wear an appropriate breathing apparatus. Employees should wash hands and face before eating or drinking.
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**PRODUCT: 33-517 Rapid Hs Euro Clear Normal Temp Activator****SECTION 07: HANDLING AND STORAGE**

Conditions for safe storage, including any incompatibilities

Keep away from heat, sparks, and open flames. Keep container closed when not in use. Store away from incompatible materials. Keep away from acids and alkalis. Store away from strong oxidizers.

**SECTION 08: EXPOSURE CONTROLS / PERSONAL PROTECTION**

INGREDIENTS	TWA	ACGIH TLV STEL	PEL	OSHA PEL STEL	REL NIOSH
Methyl Isobutyl Ketone	50 ppm	75 ppm	100 ppm	Not established	50 ppm / STEL 75 ppm
Hexane, 1,6-diisocyanato-, homopolymer	Not Established	Not Established	Not Established	Not Established	Not Established
Butyl Acetate	150 ppm	200 ppm	150 ppm	200 ppm vacated	150 ppm - STEL 200 ppm
N-Butyl Propionate	Not Established	Not Established	Not Established	Not Established	Not Established
2-Propanol, 1-methoxy-, acetate	50 ppm	75 ppm	Not established	Not established	Not established

## Personal protective equipment

Eye/type.....

Chemical safety goggles and full faceshield if a splash hazard exists.

Gloves/ type.....

Wear skin protection equipment. The selection of skin protection equipment depends on the nature of the work to be performed.

Clothing/type.....

Wear adequate protective clothes.

Footwear/type.....

Safety boots per local regulations.

Respiratory/type.....

Local exhaust ventilation is recommended. Wear an appropriate, properly fitted respirator when contaminant levels exceed the recommended exposure limits.

Other/type.....

Emergency showers and eye wash stations should be available. Employees should wash their hands and face before eating, drinking, or using tobacco products.

Appropriate engineering controls.....

Provide natural or mechanical ventilation to control exposure levels below airborne exposure limits. Local mechanical exhaust ventilation should be used at sources of air contamination, such as open process equipment, or during purging operations, to capture gases and fumes that may be emitted. Standard reference sources regarding industrial ventilation (ie. ACGIH industrial ventilation) should be consulted for guidance about adequate ventilation. . Explosion-proof exhaust ventilation.

**SECTION 09: PHYSICAL AND CHEMICAL PROPERTIES**

Appearance/Physical state.....

Liquid.

Colour.....

Clear.

Odour.....

Characteristic odour.

Odour threshold (ppm).....

Not available.

pH.....

No data.

Melting / Freezing point (deg C).....

&lt; 0 C.

Initial boiling point / boiling range (deg C).....

&gt;116 C.

Flash point (deg C), method.....

15. (estimate; lowest flash point ingredient).

Evaporation rate.....

No data.

Flammability (solids and gases).....

Not applicable.

Upper flammable limit (% vol).....

7.6.

Lower flammable limit (% vol).....

1.2.

Vapour pressure (mm Hg).....

&lt;14.8 mmHg.

Vapour density (air=1).....

&gt;1.

Relative Density (Specific Gravity).....

7.58 lbs/USG; 0.909.

Solubility.....

Negligible.

Coefficient of water/oil distribution.....

Not available.

Auto ignition temperature (deg C).....

No Data.

Decomposition temperature.....

Not available.

Viscosity.....

No data.

% Volatile by volume.....

74.16.

VOC.....

5.29 lbs/USG.

**SECTION 10: STABILITY AND REACTIVITY**

Reactivity .....

Product is stable; hazardous polymerization will not occur.

Chemical stability.....

Stable at normal temperatures and pressures.

Possibility of hazardous reactions.....

Hazardous polymerization will not occur.

**PRODUCT: 33-517 Rapid Hs Euro Clear Normal Temp Activator****SECTION 10: STABILITY AND REACTIVITY**

Conditions to avoid, including static ..... Electrostatic charge.  
 discharge, shock or vibration  
 Incompatible materials..... Strong oxidizing agents, acids, bases. Aldehydes. Halogenated compounds. Aluminum.  
 Zinc, galvanized metals. Copper alloys. Alkali metals.  
 Hazardous decomposition products..... Oxides of carbon (CO,CO2). Smoke.

**SECTION 11: TOXICOLOGICAL INFORMATION**

INGREDIENTS	LC50	LD50
Methyl Isobutyl Ketone	8.2 - 16.4 mg/L 4 hours rat	2080 mg/kg rat oral >16,000 mg/kg rabbit dermal
Hexane, 1,6-diisocyanato-, homopolymer	4.63 mg/L rat 4 hours	>5,000 mg/kg oral rat >5,000 mg/kg dermal rabbit
Butyl Acetate	2000 ppm 4 hours rat	10768 mg/kg oral rat 17600 mg/kg dermal rabbit
N-Butyl Propionate	>23.7 mg/L 6hr.	>5000 mg/kg (oral, rat)
2-Propanol, 1-methoxy-, acetate	Not Available	8,532 mg/kg rat oral 5,000 mg/kg dermal rabbit
Route of exposure.....	Eye contact. Skin contact. Inhalation.	
Effects of acute exposure.....	May cause skin irritation. May cause sensitization by skin contact. Causes serious eye irritation. Causes respiratory tract irritation. Inhalation of vapours or mist may cause drowsiness or dizziness.	
Effects of chronic exposure.....	May aggravate pre-existing skin and eye disorders. Prolonged or repeated exposure may result in an allergic respiratory reaction in sensitive individuals. Breathing high concentrations of vapour may cause anesthetic effects and serious health effects. Intentional misuse by deliberately concentrating and inhaling this product may be harmful or fatal .	
Sensitizing capability of material.....	This product may cause skin sensitization.	
Carcinogenicity of material.....	Methyl Isobutyl Ketone is possibly carcinogenic to humans (IARC Group 2B).	
Reproductive effects.....	No data on reproductive effects were found in the literature sources consulted.	
Specific Target Organ Toxicity .....	May cause respiratory irritation.	

**SECTION 12: ECOLOGICAL INFORMATION**

Environmental..... Do not allow to enter waters, waste water or soil.  
 Other adverse effects..... Not available.

**SECTION 13: DISPOSAL CONSIDERATIONS**

Information on safe handling for disposal and methods of disposal, including any contaminated packaging . Dispose of waste in accordance with all applicable Federal, Provincial/State and local regulations. Empty containers must be handled with care due to product residue.

**SECTION 14: TRANSPORT INFORMATION**

TDG Classification..... UN1263 - PAINT RELATED MATERIAL - Class 3 - Packing Group II - This product meets the Limited Quantity exemption when packaged in containers less than 5 liters.  
 DOT Classification (Road)..... UN1263 - PAINT RELATED MATERIAL - Class 3 - Packing Group II - Ltd Qty (1 litre). Refer to 49CFR 172.101 for additional non-bulk packaging requirements.  
 IATA Classification (Air)..... UN1263 - PAINT RELATED MATERIAL - Class 3 - Packing Group II. Limited Quantity. Do not ship by air without checking appropriate IATA regulations.  
 IMDG Classification (Marine)..... UN1263 - PAINT RELATED MATERIAL - Class 3 - Packing Group II - EmS: F-E S-E. Limited Quantity. Check IMDG regulations for limited quantity exemptions.  
 Marine Pollutant..... Potential marine pollutant.  
 Proof of Classification..... In accordance with Part 2.2.1 of the Transportation of Dangerous Goods Regulations (July 2, 2014) - we certify that classification of this product is correct. .

**SECTION 15: REGULATORY INFORMATION**

CEPA status..... On Domestic Substances List (DSL).  
 TSCA inventory status..... All components are either listed or exempt from the TSCA. .  
 OSHA..... This product is considered hazardous under the OSHA Hazard Communication Standard.  
 SARA Title III  
 Section 302 - extremely hazardous ..... None.  
 substances

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**SECTION 15: REGULATORY INFORMATION**

Section 311/312 - hazard categories..... Immediate health, delayed health, fire hazard.  
 Section 313..... Methyl Isobutyl Ketone.  
 EPA hazardous air pollutants (HAPS) ..... Hexamethylene diisocyanate. Methyl Isobutyl Ketone.  
 40CFR63  
 California Proposition 65..... \*\*\* ! WARNING: This product can expose you to chemicals including [see below], which are known to the State of California to cause birth defects or other reproductive harm. (Methyl Isobutyl Ketone (D)). \*\*\* ! WARNING: This product can expose you to chemicals including [see below], which are known to the State of California to cause cancer . (Methyl Isobutyl Ketone (C)). For more information, go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

**SECTION 16: OTHER INFORMATION**

Prepared by: ..... REGULATORY AFFAIRS. Trivalent Data Systems Ltd. [www.trivalent.com](http://www.trivalent.com).  
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